

ANEXA 2

Utilajul, echipamentul tehnologic: **VANA SERTAR CAUCIUCAT**

Nr. crt.	Specificatii tehnice impuse prin Caietul de sarcini	Correspondenta propunerii tehnice cu specificatiile tehnice impuse prin Caietul de sarcini	Producator
0	1	2	3
1	Parametrii tehnici si functionali: - Piulita tije este din alama rezistenta la dezincare, cu posibilitate de inlocuire - Tija din otel inoxidabil, cu filet roluit la rece - Pachetul de etansare poate fi inlocuit sub presiune - Pachetul de etansare este protejat impotriva desurubarii - Pachetul de etansare este protejat cu garnitura anti-praf - Curgere bidirectionala, pasaj integral; - Etanseitate 100%, ghidaj sertar pentru a asigura inchiderea corecta; - Gama dimensionala PN 10/16 – DN 40 – 600, PN 25 – DN 50-300.	Parametrii tehnici si functionali: - Piulita tije este din alama rezistenta la dezincare, cu posibilitate de inlocuire - Tija din otel inoxidabil, cu filet roluit la rece - Pachetul de etansare poate fi inlocuit sub presiune - Pachetul de etansare este protejat impotriva desurubarii - Pachetul de etansare este protejat cu garnitura anti-praf - Curgere bidirectionala, pasaj integral; - Etanseitate 100%, ghidaj sertar pentru a asigura inchiderea corecta; - Gama dimensionala PN 10/16 – DN 40 – 600, PN 25 – DN 50-300.	Wato.BG Ltd. Bulgaria BLUCAST UAB
2	Specificatii de performanta si conditii privind siguranta in exploatare: - Respectarea condițiilor de temperatura: -10 □ 90□C; - Amplasare: rețea distributie apa potabila in pamant, camin ingropat sau camin; - Lichid de lucru: Apă potabilă - Montarea se va face conform instructiunilor de montare date de producator.	Specificatii de performanta si conditii privind siguranta in exploatare: - Respectarea condițiilor de temperatura: -10 □ 90□C; - Amplasare: rețea distributie apa potabila in pamant, camin ingropat sau camin; - Lichid de lucru: Apă potabilă - Montarea se va face conform instructiunilor de montare date de producator.	
3	Conditii privind conformitatea cu standardele relevante: - Certificari obligatorii: ISO 9001 - Produs in acord cu standard DIN EN 1171:2015-11; - Teste hidrostatice: EN 12266-1, clasa A; - Fabricat in conformitate cu EN 1074-2; - Distanta dintre flanse: EN 558-1 seria 14; - Flansele de prindere conform ISO 7005-2	Conditii privind conformitatea cu standardele relevante: - Certificari obligatorii: ISO 9001 - Produs in acord cu standard DIN EN 1171:2015-11; - Teste hidrostatice: EN 12266-1, clasa A; - Fabricat in conformitate cu EN 1074-2; - Distanta dintre flanse: EN 558-1 seria 14; - Flansele de prindere conform ISO 7005-2	
4	Conditii de garantie si post-garantie: - Minim 60 luni de la livrare. - Furnizorul va asigura service in perioada de garantie. - Furnizorul va asigura piese de schimb pe baza de comanda in perioada post- garantie.	Conditii de garantie si post-garantie: - Minim 60 luni de la livrare. - Furnizorul va asigura service in perioada de garantie. - Furnizorul va asigura piese de schimb pe baza de comanda in perioada post- garantie.	

5	Alte conditii cu caracter tehnic: - Material corp vana: GJS 500; - Material sertar: GJS 500+EPDM/NBR; - Piulita sertar: alama, cu posibilitate de inlocuire; - Tija: AISI 420, cu filet roluit; - garnitura dintre corp si capac: EPDM, capac: GJS 400 - Etansarea tijei si a pachetului de etansare se face cu 3 O-ringuri: EPDM/NBR; - Pachetul de etansare este protejat cu garnitura anti-praf: garnitura NBR; - Piulita tijei este din alama rezistenta la dezincare, cu posibilitate de inlocuire - Vopsit RAL 5015 epoxy minim 250 µm cu GSK	Alte conditii cu caracter tehnic: - Material corp vana: GJS 500; - Material sertar: GJS 500+EPDM/NBR; - Piulita sertar: alama, cu posibilitate de inlocuire; - Tija: AISI 420, cu filet roluit; - garnitura dintre corp si capac: EPDM, capac: GJS 400 - Etansarea tijei si a pachetului de etansare se face cu 3 O-ringuri: EPDM/NBR; - Pachetul de etansare este protejat cu garnitura anti-praf: garnitura NBR; - Piulita tijei este din alama rezistenta la dezincare, cu posibilitate de inlocuire - Vopsit RAL 5015 epoxy minim 250 µm cu GSK	
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MOLDOVA EUROPEANĂ



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tel.: +359 431 9 90 59, fax: +359 431 9 90 90
email: info@wato.bg

Monday, 13 January 2025

REPRESENTATION AGREEMENT

We, **Wato.BG Ltd.**, having our registered office at 6100 Kazanlak, Bulgaria, South Industrial Zone, P.O.3, hereby **authorize** company **Dematek Water Management S.R.L.**, with its registered office at Str. Preciziei 6M, RO-062203, Bucharest, Romania, registered with the Trade Register under no. J2017020425401, **to sell and distribute our products:**

GATE VALVES; AUTOMATIC VALVES; BUTTERFLY VALVES; CHECK VALVES; CONTROL VALVES; AIR VALVES (TRIPLE FUNCTION), HYDRANTS .

This authorization is valid for a period of **one year** from the date of issuance.

Noi, **Wato.BG Ltd.**, cu sediul social in 6100 Kazanlak, Bulgaria, South Industrial Zone, P.O.3, prin prezenta, autorizam societatea **Dematek Water Management S.R.L.** cu sediul social in Bucuresti, Str. Preciziei 6M, RO-021586, inregistrata la registrul comertului cu nr. J2017020425401, **sa vanda si sa distribuie produsele noastre :**

GATE VALVES; AUTOMATIC VALVES; BUTTERFLY VALVES; CHECK VALVES; CONTROL VALVES; AIR VALVE (TRIPLE FUNCTION), HYDRANTS.

Prezenta autorizatie este valabila timp de **un an** de la data emiterii.

Signed by: *Nikolay Bakalov*

Signature: 



ÎMPUTERNICIRE PRODUCĂTOR/DISTRIBUITOR

Data: 16.07.2025

Ref. Licitatie: „Construcția apeductelor interioare în satele Tomai și Sărata- Răzeși, raionul Leova” REPETAT;

Licitatie ID: ocds-b3wdp1-MD-1751366846099

Către: Agenția de Dezvoltare Regională Sud

Prin prezenta,

Noi, Dematek Water Management S.R.L. legal reprezentata prin **dl. Alexandru Negrescu**, în calitate de **Director General**, in temeiul imputernicirii emise in data de **13.01.2025** de catre producatorul **Wato.BG Ltd**, având facilitățile de producție în **South Industrial Zone, P.O. Box 24, 6100 Kazanlak, BULGARIA**, împuternicim în mod expres, irevocabil și fără echivoc pe:

Asocierea MONTEX-GAZ S.R.L. – AM SISTEME S.R.L, cu sediul în **Republica Moldova, Mun. Chisinau, Str Mircesti 60 MD-2049** si **Republica Moldova, Strasenii, Str. Stefan cel Mare 1A**, să depună o ofertă completă în cadrul licitației sus-menționate, pentru furnizarea următoarelor produse fabricate de către noi:

- VANE SERTAR (GATE VALVES);
- VANE AUTOMATE;
- VANE FLUTURE;
- VANE DE REȚINERE;
- VANE DE CONTROL;
- VANE DE AER (FUNCȚIE TRIPLĂ)

Totodată, confirmăm și autorizăm fără rezerve ca **asocierea MONTEX-GAZ S.R.L. – AM SISTEME S.R.L** are permisiunea noastră sa:

- prezinte documentația tehnica aferenta produselor;
- furnizeze certificatele și avizele sanitare, tehnice și de conformitate;
- puna în operă produsele menționate.

Această împuternicire este emisă cu deplină asumare juridică și angajament din partea noastră, în scopul exclusiv al participării la prezenta procedură de achiziție publică.

Semnat de: Alexandru Negrescu

În calitate de: Director General

Semnătura:

Ștampila:



Valves & Fittings

ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU PARTICIPAREA LA PROIECTUL "CONSTRUCȚIA APEDUCTELOR INTERIOARE ÎN SATELE TOMAI ȘI SĂRATA- RĂZEȘI, RAIONUL LEOVA" REPETAT 2025"



europervalves

ABOUT COMPANY

Wato is an innovative engineering and production company that offers products and services for water supply and sewerage systems with distributors in the whole world. With its products and services **Wato** offers to its customers possibilities for optimization and higher efficiency.

The company provides simple and practical solutions that increase the efficiency of water supply systems on all levels, from the water carrier to the final consumer. Wato combines services, products and know-how in a single goal: to maximize reliability and performance of water networks.

Wato Product Range includes:

TOP NEW PRODUCT

SBio®: Wato produces the full range of waste water treatment facilities in the field of treatment of domestic waste water and urban waste water treatment unit operation, accelerated natural biological process of waste water decomposition and modern innovative technologies.

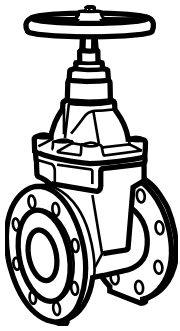
europevalves®: Wato produces the full range of control and isolating valves and fittings needed for a Water Supply Network. All **europevalves®** products are designed with the ultimate goal to bring high quality at an optimized cost level.

Software & Tools: Wato customizes its products to the needs of any network operator. The company has developed simple tools to help in monitoring the network on a daily basis and take the right operational decisions on time.

Wato's services include network balancing, meter management, field data capture and asset condition assessment. The company has focused its efforts on two key areas – water loss reduction and sustainable development of water infrastructure. **Wato** provides the following expert solutions in the field of water loss reduction: active pressure management, anti-leakage program and smart metering.

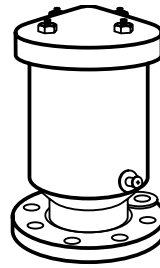
We keep ISO 9001 certification by an accredited certification body. We believe this shows our commitment to quality, customers, and a willingness to work towards improving efficiency. We address the balance between maintaining profitability and reducing environmental impact. We do care about keeping the environment clean. We have put in place an effective Environmental Management System (EMS) and we are ISO 14001 certified.

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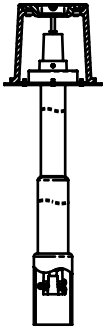
Gate Valves

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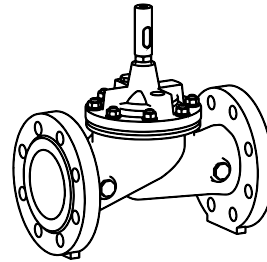
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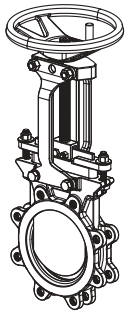
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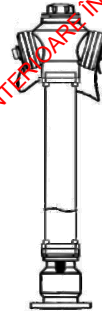
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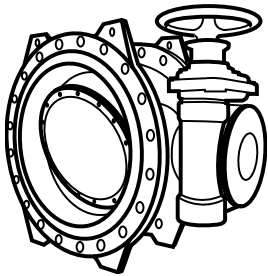
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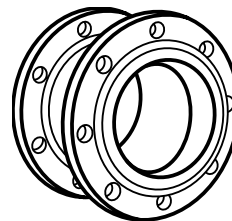
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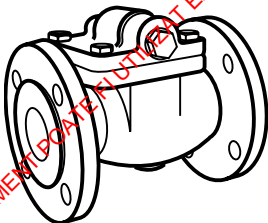
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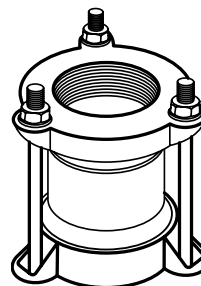
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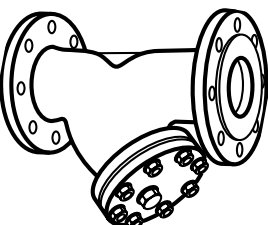
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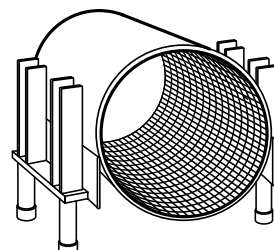
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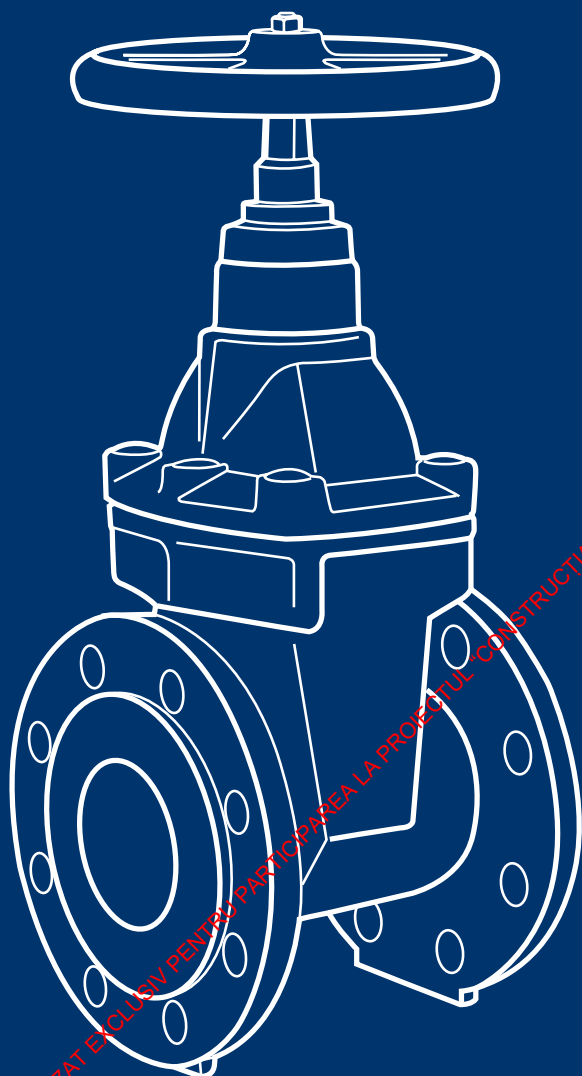
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ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU PARTICIPAREA LA PROIECTUL "CONSTRUCȚIA APEDUCTELOR INTERIOARE ÎN SAȚELE TOMAI ȘI SĂRATA- RĂZEȘI, RAIONUL LEOVA" REPETAT 2025"



Gate Valves

ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU PARTICIPAREA LA PROIECTUL CONSTRUCȚIA APEDUCTELOR INTERIOARE ÎN SATELE TOMAI ȘI SĂRATA-RAZES, RAIONUL LEOVA" REPETAT 2025"

Resilient Seated Gate Valve/EN558 Series 14/ PN10 PN16 PN25

Non-Rising Stem

Model: GV-RS-S-14-I



Features

- Stem sealing package with additional third O-ring ensures
- Replaceable O-ring under pressure according to ISO 7259 better water tightness
- Double lead driving thread made by rolling ensures smooth, quick operation and low torque
- Rubber encapsulated wedge providing seat tightness rate A according to EN 12266-1
- Bonnet gasket wrapping each bolt providing better insulation from environment
- Completely free and full bore design ensures self-cleaning and low pressure loss
- Clockwise closing direction non-rising stem
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 and DIN 3476
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may be made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171
- Face to Face: EN 558 / ISO 5752 - 14 base series
- Flanges: EN 1092-2 PN10/16/25
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Potable water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16/PN25 bar
- Temperature range 0°C...60°C

Optional Extras

- Handwheel
- Extension Spindle / T Key
- Gearbox

Material Specifications

Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563	11	Stuffing nut	Brass	CuZn39Pb1 (CW611N) EN 12167
2	Wedge	DI+Rubber	EN-GJS-500-7 (5.3200) EN 1563 + EPDM EN 681-1	12	Handwheel	DI	EN-GJS-500-7 (5.3200) EN 1563
3	Wedge nut	Brass	CuZn36Pb2As (CW602N) EN 12167	13	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
4	Stem	SS	X20Cr13 (1.4021) EN10088-3	14	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
5	Gasket	Rubber	EPDM EN 681-1	15	Dust guard	Rubber	NBR EN 681-1
6	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563	16 17	O-rings	Rubber	EPDM EN 681-1
7	O-ring	Rubber	EPDM EN 681-1	18	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
8	O-ring bayonet	Brass	CuZn39Pb1 (CW611N) EN 12167			SS (on request)	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
9	Support ring	Brass	CuZn39Pb1 (CW611N) EN 12167				
10	Semi collar	Brass	CuZn39Pb1 (CW611N) EN 12167				

Dimensions

Size	D			D1			D2			b			n-Ød			H	W	ØF	No. of turns to close	Closing Torque (N.m)	
	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25					PN10/16	PN25
DN40	140	150	150	110	110	110	84	84	84	19	19	19	4-Ø19	4-Ø19	4-Ø19	215	Ø180	14	9	30	40
DN50	150	165	165	125	125	125	99	99	99	19	19	19	4-Ø19	4-Ø19	4-Ø19	215	Ø180	14	9	30	50
DN65	170	185	185	145	145	145	118	118	118	19	19	19	4-Ø19	4-Ø19	8-Ø19	250	Ø200	17	10	30	60
DN80	180	200	200	160	160	160	132	132	132	19	19	19	8-Ø19	8-Ø19	8-Ø19	275	Ø200	17	12	35	70
DN100	190	220	220	180	180	190	156	156	156	19	19	19	8-Ø19	8-Ø19	8-Ø23	320	Ø220	19	12	43	80
DN125	200	250	250	210	210	220	184	184	184	19	19	19	8-Ø19	8-Ø19	8-Ø28	355	Ø250	19	14.5	60	100
DN150	210	285	285	240	240	250	211	211	211	19	19	20	8-Ø23	8-Ø23	8-Ø28	400	Ø280	19	17	70	120
DN200	230	340	340	295	295	310	266	266	274	20	20	22	8-Ø23	12-Ø23	12-Ø28	495	Ø315	24	18.5	120	160
DN250	250	395	405	350	355	370	319	319	330	22	22	24.5	12-Ø23	12-Ø28	12-Ø31	590	Ø406	27	23	150	200
DN300	270	445	460	400	410	430	370	370	389	24.5	24.5	27.5	12-Ø23	12-Ø28	16-Ø31	670	Ø406	27	27	180	240

Wato Products specifications in this catalogue are provided for reference only. For precise measurements, please contact Wato Technical Service. Wato reserve the right to or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Wato products previously or subsequently sold. All materials that are in this catalogue are owned by Wato and can not be used without permission. Wato reserves the right to take legal action against such an act.

Resilient Seated Gate Valve/EN558 Series 14/ PN10 PN16 PN25

Non-Rising Stem

Model: GV-RS(A)-XL-14-I



Features

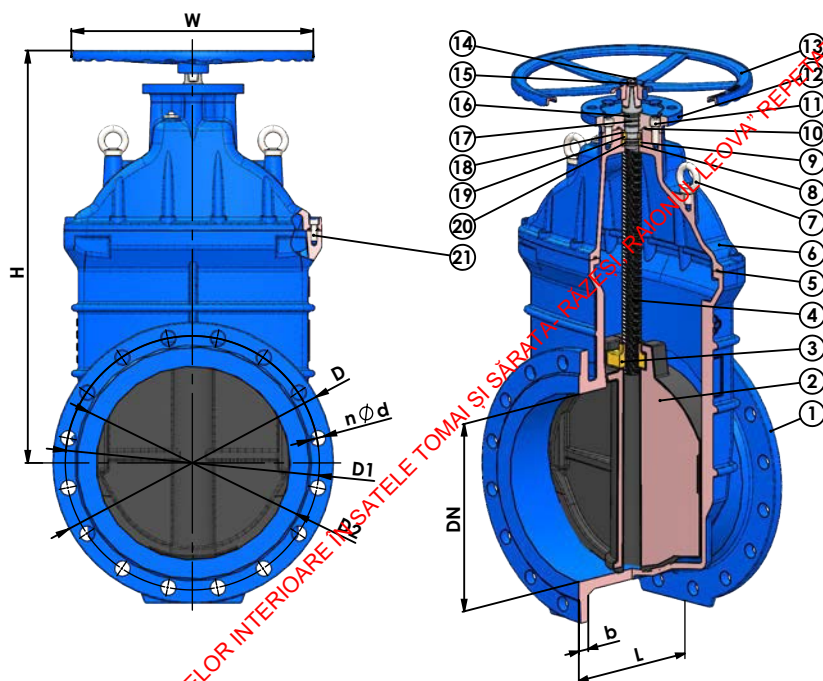
- Stem sealing package with additional third O-ring ensures
- Replaceable O-ring under pressure according to ISO 7259 better water tightness
- Double lead driving thread made by rolling ensures smooth, quick operation and low torque
- Rubber encapsulated wedge providing seat tightness rate A according to EN 12266-1
- Bonnet gasket wrapping each bolt providing better insulation from environment
- Completely free and full bore design ensures self-cleaning and low pressure loss
- Clockwise closing direction non-rising stem
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 and DIN 3476
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may be made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171
- Face to Face: EN 558 / ISO 5752 - 14 base series
- Flanges: EN 1092-2 PN10/16/25
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Potable water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16/PN25 bar
- Temperature range 0°C...60°C

Optional Extras

- Handwheel
- Extension Spindle / T Key
- Gearbox



DN350 - DN800

Material Specifications

Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563	12	Stuffing flange	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Wedge	DI+Rubber	EN-GJS-500-7 (5.3200) EN 1563 + EPDM EN 681-1	13	Handwheel	DI	EN-GJS-500-7 (5.3200) EN 1563
3	Wedge nut	Brass	CuZn36Pb2As (CW602N) EN 12167	14	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
4	Stem	SS	X20Cr13 (1.4021) EN 10088-3	15	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
5	Gasket	Rubber	EPDM EN 681-1	16	Dust guard	Rubber	NBR EN 681-1
6	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563	17	O-rings	Rubber	EPDM EN 681-1
7	Eyebolt	Constr. Steel	C15E (1.1141) EN 10084 EN ISO 3266	18	Semi collar	Brass	CuZn39Pb1 (CW611N) EN 12167
8	O-ring	Rubber	EPDM EN 681-1	19	Support ring	Brass	CuZn39Pb1 (CW611N) EN 12167
9	O-ring bayonet	Brass	CuZn39Pb1 (CW611N) EN 12167	20	O-ring	Rubber	EPDM EN 681-1
10	O-ring	Rubber	EPDM EN 681-1	21	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
11	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)			SS (on request)	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)

Dimensions PN10 / PN16

Size	L	D			D1			D2			b			n-ød			H	W	F	No. of Closing turns to close	Torque (N.m)
		PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25					
DN350	290	505	520	-	460	470	-	429	429	-	24.5	26.5	-	16-Ø23	16-Ø28	-	810	Ø500	27	30.5	250
DN400	310	565	580	-	515	525	-	480	480	-	24.5	28	-	16-Ø28	16-Ø31	-	900	Ø500	27	34.5	320
DN450	330	615	640	-	565	585	-	530	548	-	25.5	30	-	20-Ø28	20-Ø31	-	1000	Ø500	32	33	340
DN500	350	670	715	-	620	650	-	562	609	-	26.5	31.5	-	20-Ø28	20-Ø34	-	1065	Ø600	30	32.5	370
DN600	390	780	840	-	725	770	-	682	720	-	30	36	-	20-Ø31	20-Ø37	-	1265	Ø600	30	34.5	430
DN700	430	895	910	-	840	840	-	794	794	-	32.5	39.5	-	24-Ø31	24-Ø37	-	1570	Ø450	32	51	700
DN800	470	1015	1025	-	950	950	-	901	901	-	35	43	-	24-Ø34	24-Ø41	-	1740	Ø450	32	51	800

Resilient Seated Gate Valve/EN558 Series 15/ PN10 PN16 PN25

Non-Rising Stem

Model: GV-RS-S-15-1



Features

- Stem sealing package with additional third O-ring ensures
- Replaceable O-ring under pressure according to ISO 7259 better water tightness
- Double lead driving thread made by rolling ensures smooth, quick operation and low torque
- Rubber encapsulated wedge providing seat tightness rate A according to EN 12266-1
- Bonnet gasket wrapping each bolt providing better insulation from environment
- Completely free and full bore design ensures self-cleaning and low pressure loss
- Clockwise closing direction non-rising stem
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 and DIN 3476
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may be made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171
- Face to Face: EN 558 / ISO 5752 - 15 base series
- Flanges: EN 1092-2 PN10/16/25
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Potable water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16/PN25 bar
- Temperature range 0°C...60°C

Optional Extras

- Handwheel
- Extension Spindle / T Key
- Gearbox

Material Specifications

Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563	11	Stuffing nut	Brass	CuZn39Pb1 (CW611N) EN 12167
2	Wedge	DI+Rubber	EN-GJS-500-7 (5.3200) EN 1563 + EPDM EN 681-1	12	Handwheel	DI	EN-GJS-500-7 (5.3200) EN 1563
3	Wedge nut	Brass	CuZn36Pb2As (CW602N) EN 12167	13	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
4	Stem	SS	X20Cr13 (1.4021) EN10088-3	14	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
5	Gasket	Rubber	EPDM EN 681-1	15	Dust guard	Rubber	NBR EN 681-1
6	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563	16 17	O-rings	Rubber	EPDM EN 681-1
7	O-ring	Rubber	EPDM EN 681-1	18	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
8	O-ring bayonet	Brass	CuZn39Pb1 (CW611N) EN 12167			SS (on request)	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
9	Support ring	Brass	CuZn39Pb1 (CW611N) EN 12167				
10	Semi collar	Brass	CuZn39Pb1 (CW611N) EN 12167				

Dimensions

Dimensions

Size	D			D1			D2			b			n-ød			H	W	ØF	No. of turns to close	Closing Torque (N.m)		
	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25					PN10/16	PN25	
DN40	240	150	150	150	110	110	110	84	84	84	19	19	19	4-Ø19	4-Ø19	4-Ø19	215	Ø180	14	9	30	40
DN50	250	165	165	165	125	125	125	99	99	99	19	19	19	4-Ø19	4-Ø19	4-Ø19	215	Ø180	14	9	30	50
DN65	270	185	185	185	145	145	145	118	118	118	19	19	19	4-Ø19	4-Ø19	8-Ø19	250	Ø200	17	10	30	60
DN80	280	200	200	200	160	160	160	132	132	132	19	19	19	8-Ø19	8-Ø19	8-Ø19	275	Ø200	17	12	35	70
DN100	300	220	220	235	180	180	190	156	156	156	19	19	19	8-Ø19	8-Ø19	8-Ø23	320	Ø220	19	12	43	80
DN125	325	250	250	270	210	210	220	184	184	184	19	19	19	8-Ø19	8-Ø19	8-Ø28	355	Ø250	19	14.5	60	100
DN150	350	285	285	300	240	240	250	211	211	211	19	19	20	8-Ø23	8-Ø23	8-Ø28	400	Ø280	19	17	70	120
DN200	400	340	340	360	295	295	310	266	266	274	20	20	22	8-Ø23	12-Ø23	12-Ø28	495	Ø315	24	18.5	120	160
DN250	450	395	405	425	350	355	370	319	319	330	22	22	24.5	12-Ø23	12-Ø28	12-Ø31	590	Ø406	27	23	150	200
DN300	500	445	460	485	400	410	430	370	370	389	24.5	24.5	27.5	12-Ø23	12-Ø28	16-Ø31	670	Ø406	27	27	180	240

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Resilient Seated Gate Valve/EN558 Series 15/ PN10 PN16 PN25

Non-Rising Stem

Model: GV-RS(A)-XL-15-I



Features

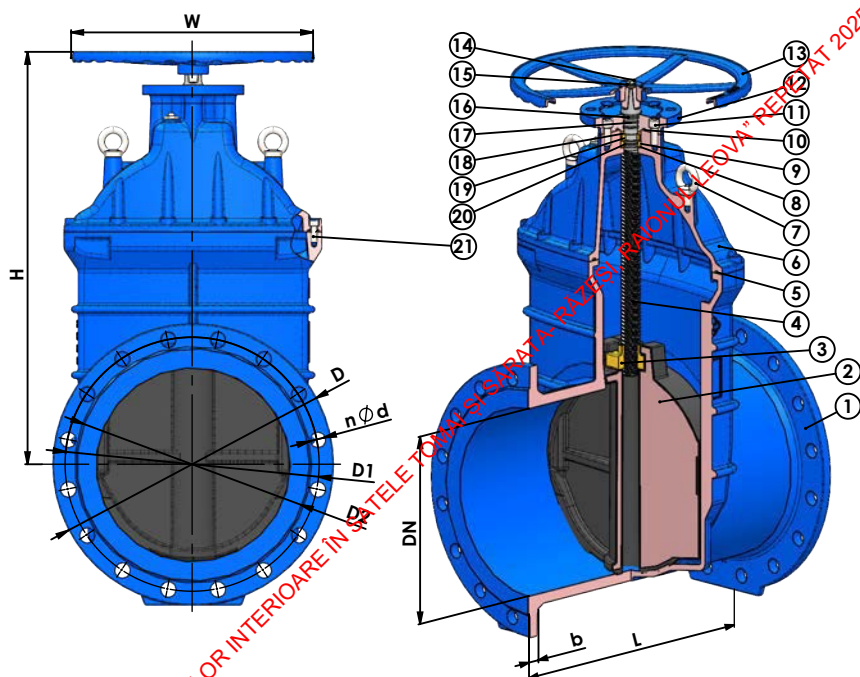
- Stem sealing package with additional third O-ring ensures
- Replaceable O-ring under pressure according to ISO 7259 better water tightness
- Double lead driving thread made by rolling ensures smooth, quick operation and low torque
- Rubber encapsulated wedge providing seat tightness rate A according to EN 12266-1
- Bonnet gasket wrapping each bolt providing better insulation from environment
- Completely free and full bore design ensures self-cleaning and low pressure loss
- Clockwise closing direction non-rising stem
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 and DIN 3476
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may be made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171
- Face to Face: EN 558 / ISO 5752 - 15 base series
- Flanges: EN 1092-2 PN10/16/25
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Potable water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16/PN25 bar
- Temperature range 0°C...60°C

Optional Extras

- Handwheel
- Extension Spindle / T Key
- Gearbox



DN350 - DN600

Material Specifications

Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563	12	Stuffing flange	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Wedge	DI+Rubber	EN-GJS-500-7 (5.3200) EN 1563 + EPDM EN 681-1	13	Handwheel	DI	EN-GJS-500-7 (5.3200) EN 1563
3	Wedge nut	Brass	CuZn36Pb2As (CW602N) EN 12167	14	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
4	Stem	SS	X20Cr13 (1.4021) EN10088-3	15	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
5	Gasket	Rubber	EPDM EN 681-1	16	Dust guard	Rubber	NBR EN 681-1
6	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563	17	O-rings	Rubber	EPDM EN 681-1
7	Eyebolt	Constr. Steel	C15E (1.1141) EN 10084 EN ISO 3266	18	Semi collar	Brass	CuZn39Pb1 (CW611N) EN 12167
8	O-ring	Rubber	EPDM EN 681-1	19	Support ring	Brass	CuZn39Pb1 (CW611N) EN 12167
9	O-ring bayonet	Brass	CuZn39Pb1 (CW611N) EN 12167	20	O-ring	Rubber	EPDM EN 681-1
10	O-ring	Rubber	EPDM EN 681-1	21	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
11	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)			SS (on request)	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)

Dimensions

Size	L	D			D1			D2			b			n-Ød			H	W	F	No. of turns to close	Closing Torque (N.m)
		PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25					
DN350	550	505	520	-	460	470	-	429	429	-	24.5	26.5	-	16-Ø23	16-Ø28	-	810	Ø500	27	30.5	250
DN400	600	565	580	-	515	525	-	480	480	-	24.5	28	-	16-Ø28	16-Ø31	-	900	Ø500	27	34.5	320
DN450	650	615	640	-	565	585	-	530	548	-	25.5	30	-	20-Ø28	20-Ø31	-	1000	Ø500	32	33	340
DN500	700	670	715	-	620	650	-	562	609	-	26.5	31.5	-	20-Ø28	20-Ø34	-	1065	Ø600	30	32.5	370
DN600	800	780	840	-	725	770	-	682	720	-	30	36	-	20-Ø31	20-Ø37	-	1265	Ø600	30	34.5	430

Resilient Seated Gate Valve/EN558 Series 14/ PN10 PN16 PN25

Non-Rising Stem For Electric Actuator

Model: GV-RSA-S-14-I

Features

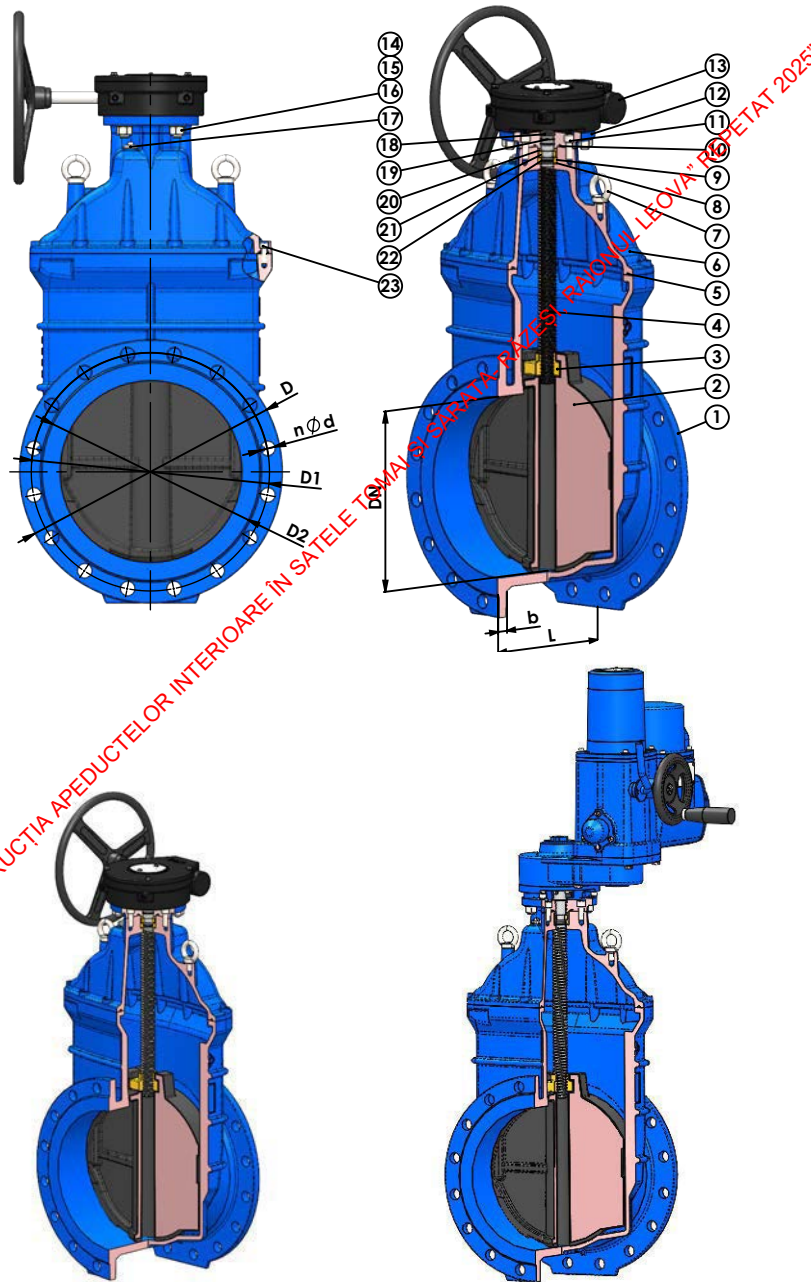
- Stem sealing package with additional third O-ring ensures
- Replaceable O-ring under pressure according to ISO 7259 better water tightness
- Double lead driving thread made by rolling ensures smooth, quick operation and low torque
- Rubber encapsulated wedge providing seat tightness rate A according to EN 12266-1
- Bonnet gasket wrapping each bolt providing better insulation from environment
- Completely free and full bore design ensures self-cleaning and low pressure loss
- Clockwise closing direction non-rising stem
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 and DIN 3476
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171
- Face to Face: EN 558 / ISO 5752 - 14 base series
- Top flange in acc. to EN ISO 5210 B3
- Flanges:EN 1092-2 PN10/16/25
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Potable water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16/PN25 bar
- Temperature range 0°C...60°C

Optional Extras

- The brand of electric actuator upon request



Option with Gearbox

Option with Electric Actuator

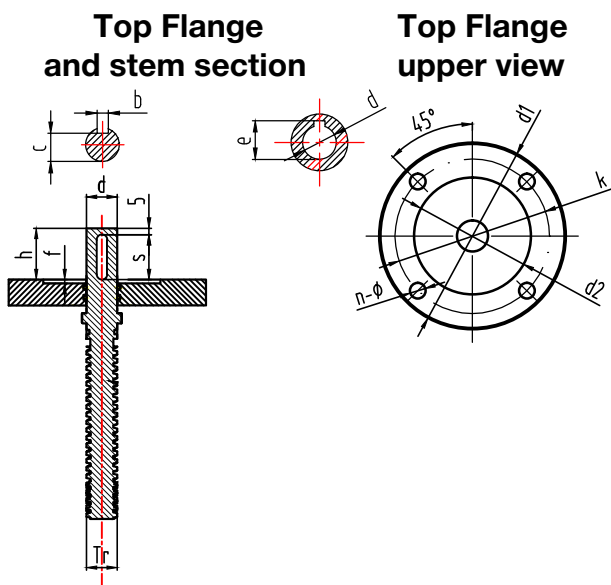
Material Specifications

Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563	14	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
2	Wedge	DI+Rubber	EN-GJS-500-7 (5.3200) EN 1563 + EPDM EN 681-1	15	Nut	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
3	Wedge nut	Brass	CuZn36Pb2As (CW602N) EN 12167	16	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
4	Stem	SS	X20Cr13 (1.4021) EN10088-3	17	Drainage plug	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2
5	Gasket	Rubber	EPDM EN 681-1	18	Dust guard	Rubber	NBR EN 681-1
6	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563	19	O-rings	Rubber	EPDM EN 681-1
7	Eyebolt	Constr. Steel	C15E (1.1141) EN 10084 EN ISO 3266	20	Semi collar	Brass	CuZn39Pb1 (CW611N) EN 12167
8	O-ring	Rubber	EPDM EN 681-1	21	Support ring	Brass	CuZn39Pb1 (CW611N) EN 12167
9	O-ring bayonet	Brass	CuZn39Pb1 (CW611N) EN 12167	22	O-ring	Rubber	EPDM EN 681-1
10	O-ring	Rubber	EPDM EN 681-1	23	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
11	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)			SS (on request)	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
12	Top Flange	DI	EN-GJS-500-7 (5.3200) EN 1563				
13	Gearbox	DI	EN-GJS-500-7 (5.3200) EN 1563				

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Resilient Seated Gate Valve/EN558 Series 14/ PN10 PN16 PN25 Non-Rising Stem For Electric Actuator

Model: GV-RSA-S-14-I



Dimensions top flange and stem

Size	d1	k	n-Ød	d2	f	d	h	s	b	c	e	Tr
DN40	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr18x8(P4) LH
DN50	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr18x8(P4) LH
DN65	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr21x8(P4) LH
DN80	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr21x8(P4) LH
DN100	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr24x10(P5) LH
DN125	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr26x10(P5) LH
DN150	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr26x10(P5) LH
DN200	175	140	4-Ø18	101	4	Ø30	65	56	8	26	33.3	Tr32x12(P6) LH
DN250	175	140	4-Ø18	101	4	Ø30	65	56	8	26	33.3	Tr34x12(P6) LH
DN300	175	140	4-Ø18	101	4	Ø30	65	56	8	26	33.3	Tr34x12(P6) LH
DN350	175	140	4-Ø18	101	4	Ø30	65	56	8	26	33.3	Tr40x12(P6) LH
DN400	210	165	4-Ø22	131	6	Ø40	80	70	12	35	43.3	Tr40x12(P6) LH
DN450	210	165	4-Ø22	131	6	Ø40	80	70	12	35	43.3	Tr46x16(P8) LH
DN500	210	165	4-Ø22	131	6	Ø40	80	70	12	35	43.3	Tr46x16(P8) LH
DN600	300	254	8-Ø18	201	6	Ø50	100	90	14	44.5	53.6	Tr55x18(P9) LH
DN700	350	298	8-Ø22	231	6	Ø60	110	100	18	53	64.4	Tr65x18(P8) LH
DN800	350	298	8-Ø22	231	6	Ø60	110	100	18	53	64.4	Tr65x18(P9) LH

Dimensions

Size	L	D			D1			D2			b			n-Ød			H	Gland Type	No. of turns to close	Closing Torque (N.m)	
		PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25				PN10/16	PN25
DN40	140	150	150	150	110	110	110	84	84	84	19	19	19	4-Ø19	4-Ø19	4-Ø19	160	F10	9	40	40
DN50	150	165	165	165	125	125	125	99	99	99	19	19	19	4-Ø19	4-Ø19	4-Ø19	160	F10	9	40	50
DN65	170	185	185	185	145	145	145	118	118	118	19	19	19	4-Ø19	4-Ø19	8-Ø19	190	F10	10	50	60
DN80	180	200	200	200	160	160	160	132	132	132	19	19	19	8-Ø19	8-Ø19	8-Ø19	210	F10	12	60	70
DN100	190	220	220	235	180	180	190	156	156	156	19	19	19	8-Ø19	8-Ø19	8-Ø23	250	F10	12	80	80
DN125	200	250	250	270	210	210	220	184	184	184	19	19	19	8-Ø19	8-Ø19	8-Ø28	290	F10	14.5	100	100
DN150	210	285	285	300	240	240	250	211	211	211	19	19	20	8-Ø23	8-Ø23	8-Ø28	330	F10	17	120	120
DN200	230	340	340	360	295	295	310	266	266	274	20	20	22	8-Ø23	12-Ø23	12-Ø28	420	F14	18.5	150	160
DN250	250	395	405	425	350	355	370	319	319	330	22	22	24.5	12-Ø23	12-Ø28	12-Ø31	515	F14	23	200	200
DN300	270	445	460	485	400	410	430	370	370	389	24.5	24.5	27.5	12-Ø23	12-Ø28	16-Ø31	595	F14	27	250	250
DN350	290	505	520	-	460	470	-	429	429	-	24.5	26.5	-	16-Ø23	16-Ø28	-	700	F14	30.5	300	-
DN400	310	565	580	-	515	525	-	480	480	-	24.5	28	-	16-Ø28	16-Ø31	-	785	F16	34.5	350	-
DN450	330	615	640	-	565	585	-	530	548	-	25.5	30	-	20-Ø28	20-Ø31	-	900	F16	28	400	-
DN500	350	670	715	-	620	650	-	562	609	-	26.5	31.5	-	20-Ø28	20-Ø34	-	950	F16	32.5	450	-
DN600	390	780	840	-	725	770	-	682	720	-	30	36	-	20-Ø31	20-Ø37	-	1155	F25	34.5	550	-
DN700	430	895	910	-	840	840	-	794	794	-	32.5	39.5	-	24-Ø31	24-Ø37	-	1336	F30	39	700	-
DN800	470	1015	1025	-	950	950	-	901	901	-	35	43	-	24-Ø34	24-Ø41	-	1480	F30	45	900	-

Resilient Seated Gate Valve/EN558 Series 15/ PN10 PN16 PN25

Non-Rising Stem For Electric Actuator

Model: GV-RSA-S-15-I

Features

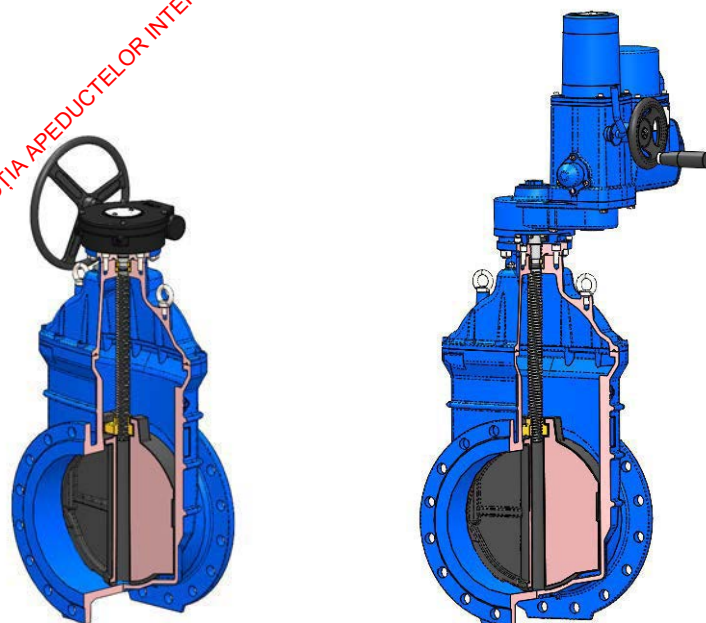
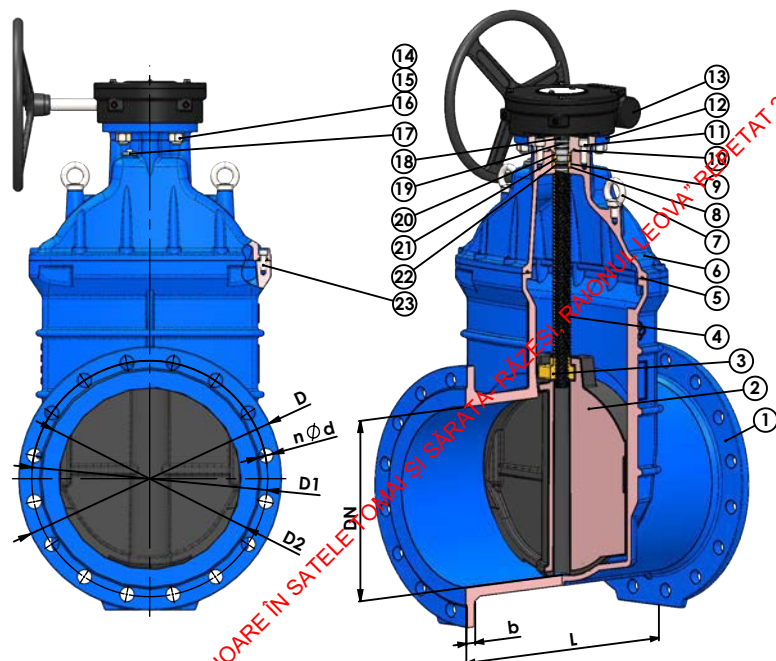
- Stem sealing package with additional third O-ring ensure
- Replaceable O-ring under pressure according to ISO 7259 better water tightness
- Double lead driving thread made by rolling ensures smooth, quick operation and low torque
- Rubber encapsulated wedge providing seat tightness rate A according to EN 12266-1
- Bonnet gasket wrapping each bolt providing better insulation from environment
- Completely free and full bore design ensures self-cleaning and low pressure loss
- Clockwise closing direction non-rising stem
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 and DIN 3476
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171
- Face to Face: EN 558 / ISO 5752 - 15 base series
- Top flange in acc. to EN ISO 5210 B3
- Flanges: EN 1092-2 PN10/16/25
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Potable water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16/PN25 bar
- Temperature range 0°C...60°C

Optional Extras

- The brand of electric actuator upon request



Option with Gearbox

Option with Electric Actuator

Material Specifications

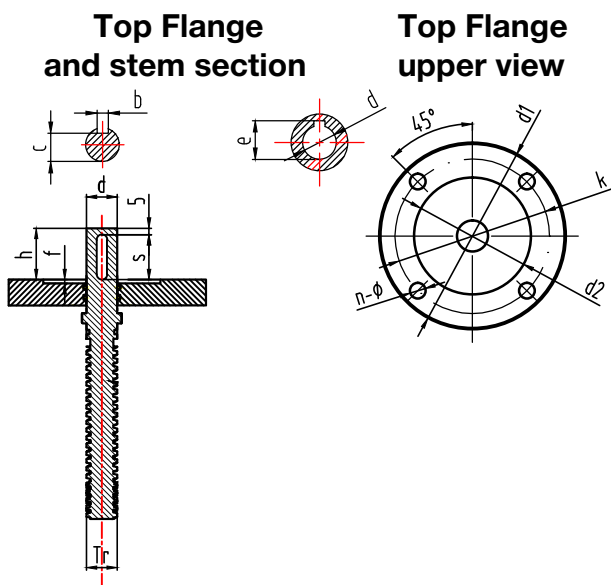
Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563	14	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
2	Wedge	DI+Rubber	EN-GJS-500-7 (5.3200) EN 1563 + EPDM EN 681-1	15	Nut	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
3	Wedge nut	Brass	CuZn36Pb2As (CW602N) EN 12167	16	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
4	Stem	SS	X20Cr13 (1.4021) EN10088-3	17	Drainage plug	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2
5	Gasket	Rubber	EPDM EN 681-1	18	Dust guard	Rubber	NBR EN 681-1
6	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563	19	O-rings	Rubber	EPDM EN 681-1
7	Eyebolt	Constr. Steel	C15E (1.1141) EN 10084 EN ISO 3266	20	Semi collar	Brass	CuZn39Pb1 (CW611N) EN 12167
8	O-ring	Rubber	EPDM EN 681-1	21	Support ring	Brass	CuZn39Pb1 (CW611N) EN 12167
9	O-ring bayonet	Brass	CuZn39Pb1 (CW611N) EN 12167	22	O-ring	Rubber	EPDM EN 681-1
10	O-ring	Rubber	EPDM EN 681-1	23	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
11	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)			SS (on request)	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
12	Top Flange	DI	EN-GJS-500-7 (5.3200) EN 1563				
13	Gearbox	DI	EN-GJS-500-7 (5.3200) EN 1563				

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Resilient Seated Gate Valve/EN558 Series 15/ PN10 PN16 PN25

Non-Rising Stem For Electric Actuator

Model: GV-RSA-S-15-I



Dimensions top flange and stem

Size	d1	k	n-Ød	d2	f	d	h	s	b	c	e	Tr
DN40	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr18x8(P4) LH
DN50	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr18x8(P4) LH
DN65	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr21x8(P4) LH
DN80	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr21x8(P4) LH
DN100	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr24x10(P5) LH
DN125	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr26x10(P5) LH
DN150	125	102	4-Ø12	71	3	Ø20	45	40	6	16.5	22.8	Tr26x10(P5) LH
DN200	175	140	4-Ø18	101	4	Ø30	65	56	8	26	33.3	Tr32x12(P6) LH
DN250	175	140	4-Ø18	101	4	Ø30	65	56	8	26	33.3	Tr34x12(P6) LH
DN300	175	140	4-Ø18	101	4	Ø30	65	56	8	26	33.3	Tr34x12(P6) LH
DN350	175	140	4-Ø18	101	4	Ø30	65	56	8	26	33.3	Tr40x12(P6) LH
DN400	210	165	4-Ø22	131	6	Ø40	80	70	12	35	43.3	Tr40x12(P6) LH
DN450	210	165	4-Ø22	131	6	Ø40	80	70	12	35	43.3	Tr46x16(P8) LH
DN500	210	165	4-Ø22	131	6	Ø40	80	70	12	35	43.3	Tr46x16(P8) LH
DN600	300	254	8-Ø18	201	6	Ø50	100	90	14	44.5	53.6	Tr55x18(P9) LH
DN700	350	298	8-Ø22	231	6	Ø60	110	100	18	53	64.4	Tr65x18(P8) LH
DN800	350	298	8-Ø22	231	6	Ø60	110	100	18	53	64.4	Tr65x18(P9) LH

Dimensions

Size	L	D			D1			D2			b			n-Ød			H	Gland Type	No. of turns to close	Closing Torque (N.m)	
		PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25				PN10/16	PN25
DN40	240	150	150	150	110	110	110	84	84	84	19	19	19	4-Ø19	4-Ø19	4-Ø19	160	F10	9	40	40
DN50	250	165	165	165	125	125	125	99	99	99	19	19	19	4-Ø19	4-Ø19	4-Ø19	160	F10	9	40	50
DN65	270	185	185	185	145	145	145	118	118	118	19	19	19	4-Ø19	4-Ø19	8-Ø19	190	F10	10	50	60
DN80	280	200	200	200	160	160	160	132	132	132	19	19	19	8-Ø19	8-Ø19	8-Ø19	210	F10	12	60	70
DN100	300	220	220	235	180	180	190	156	156	156	19	19	19	8-Ø19	8-Ø19	8-Ø23	250	F10	12	80	80
DN125	325	250	250	270	210	210	220	184	184	184	19	19	19	8-Ø19	8-Ø19	8-Ø28	290	F10	14.5	100	100
DN150	350	285	285	300	240	240	250	211	211	211	19	19	20	8-Ø23	8-Ø23	8-Ø28	330	F10	17	120	120
DN200	400	340	340	360	295	295	310	266	266	274	20	20	22	8-Ø23	12-Ø23	12-Ø28	420	F14	18.5	150	160
DN250	450	395	405	425	350	355	370	319	319	330	22	22	24.5	12-Ø23	12-Ø28	12-Ø31	515	F14	23	200	200
DN300	500	445	460	485	400	410	430	370	370	389	24.5	24.5	27.5	12-Ø23	12-Ø28	16-Ø31	595	F14	27	250	250
DN350	550	505	520	-	460	470	-	429	429	-	24.5	26.5	-	16-Ø23	16-Ø28	-	700	F14	30.5	300	-
DN400	600	565	580	-	515	525	-	480	480	-	24.5	28	-	16-Ø28	16-Ø31	-	785	F16	34.5	350	-
DN450	650	615	640	-	565	585	-	530	548	-	25.5	30	-	20-Ø28	20-Ø31	-	900	F16	28	400	-
DN500	700	670	715	-	620	650	-	562	609	-	26.5	31.5	-	20-Ø28	20-Ø34	-	950	F16	32.5	450	-
DN600	800	780	840	-	725	770	-	682	720	-	30	36	-	20-Ø31	20-Ø37	-	1155	F25	34.5	550	-
DN700	900	895	910	-	840	840	-	794	794	-	32.5	39.5	-	24-Ø31	24-Ø37	-	1336	F30	39	700	-
DN800	1000	1015	1025	-	950	950	-	901	901	-	35	43	-	24-Ø34	24-Ø41	-	1480	F30	45	900	-

Service Valve/EN ISO 228-1 BSP Female Threaded/PN10 PN16

Model: SV-I

Features

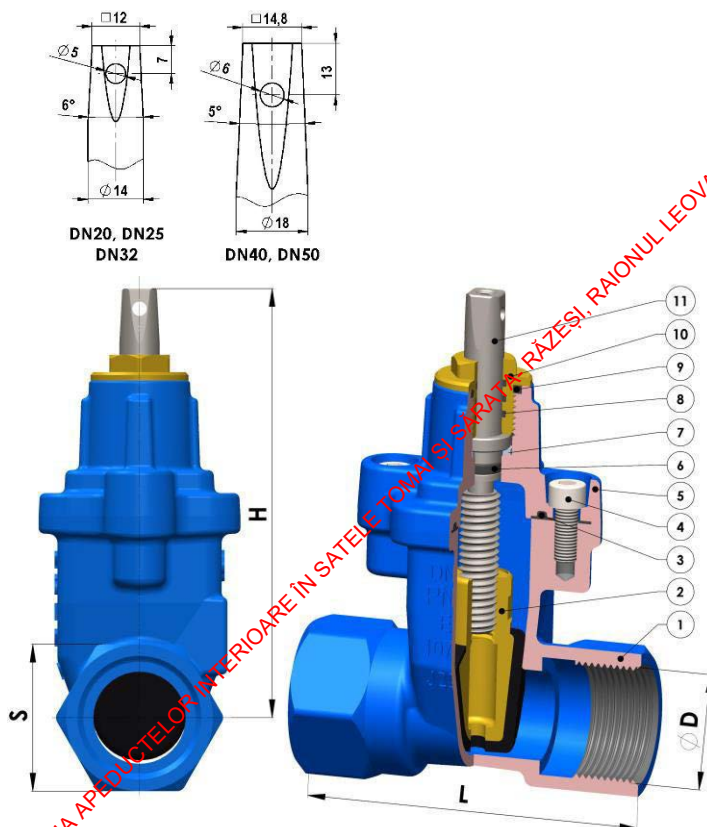
- Lightweight design of internal parts
- Low torque operation
- Rubber encapsulated brass wedge
- Clockwise closing direction
- Fusion bonded epoxy coated Inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005
- Maximum temperature 80°C
- Minimum strength torque (mST) equal to two times maximum operation torque (MOT) according EN 1074-1
- Service Valve ends with British Standard Pipe (BSP) thread external and internal parallel according to EN ISO 228-1

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171
- Hydraulic test: EN12266-1
- Operating torque test
- Nominal pressure designation PN16 bar
- Temperature range 0°C...60°C

Optional Extras

- Extension Spindle / T Key



Material Specifications

Item	Part Name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Wedge	Brass+Rubber	CuZn39Pb1 (CW611N) EN 12167 + EPDM EN 681-1
3	Gasket	Rubber	EPDM EN 681-1
4	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
5	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563
6	O-ring	Rubber	NBR EN 681-1
7	Thrust washer	Brass	CuZn39Pb1 (CW611N) EN 12167
8	O-rings	Rubber	NBR EN 681-1
9	Dust guard ring	Rubber	NBR EN 681-1
10	Sealing nut	Brass	CuZn39Pb1 (CW611N) EN 12167
11	Stem	SS	X5CrNi18-10 (1.4301) EN 10088-3

Dimensions

Size	L	S	Ø D	H	Maximum operation torque (N.m)
DN20	110	45	G 3/4"	156	15
DN25	110	45	G 1"	156	15
DN32	122	52	G 1 1/4"	153	32
DN40	133	60	G 1 1/2"	207	37
DN50	152	74	G 2"	202	45

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Service Valve/EN ISO 228-1 BSP Female Threaded/PN10 PN16

Model: SV-H

Features

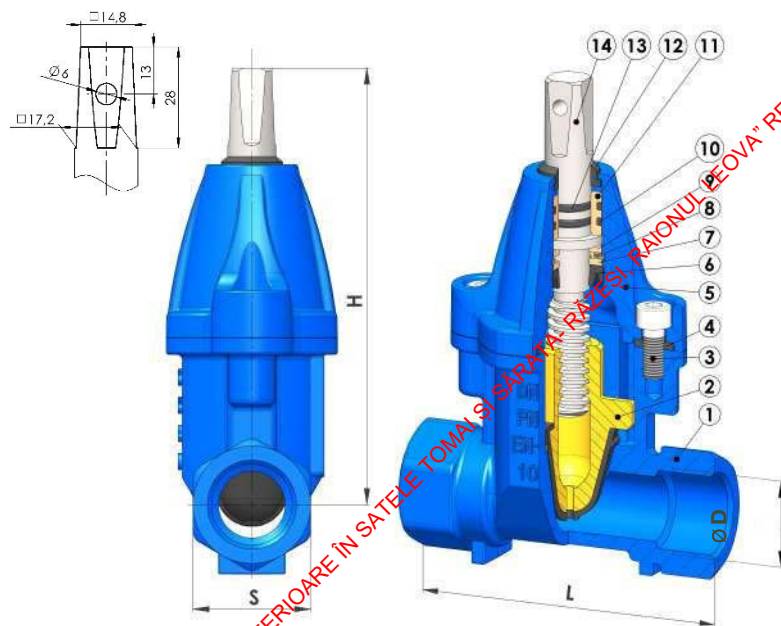
- Bolt Bonnet
- Low torque operation
- Rubber encapsulated wedge
- Clockwise closing direction
- Fusion bonded epoxy coated Inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005
- Maximum temperature 80°C
- Minimum strength torque (mST) equal to two times maximum operation torque (MOT) according EN 1074-1
- Service Valve ends with British Standard Pipe (BSP) thread external and internal parallel according to EN ISO 228-1

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171
- Hydraulic test: EN12266-1
- Operating torque test
- Nominal pressure designation PN16 bar
- Temperature range 0°C...60°C

Optional Extras

- Extension Spindle / T Key



Material Specifications

Item	Part Name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Wedge	Brass+Rubber	CuZn36Pb2As (CW602N) EN 12167 + EPDM EN 681-1
3	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
4	Gasket	Rubber	EPDM EN 681-1
5	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563
6	Seal	Rubber	EPDM EN 681-1
7	Washer	Plastic	Nylon 101 EN ISO 16396-2
8	Circlip	SS	X90CrMoV18 (1.4112) EN 10088-1 (UNI 7437 DIN 472)
9	Thrust washer	Plastic	Nylon 101 EN ISO 16396-2
10	O-ring	Rubber	EPDM EN 681-1
11	Seal cushioning	Plastic	Nylon 101 EN ISO 16396-2
12	Dust guard	Rubber	NBR EN 681-1
13	O-ring	Rubber	EPDM EN 681-1
14	Stem	SS	X20Cr13 (1.4021) EN 10088-3

Dimensions

Size	L	S	ØD	H
DN20	120	45	G 3/4"	165
DN25	120	45	G 1"	165
DN32	140	50	G 1 1/4"	175
DN40	145	60	G 1 1/2"	197
DN50	160	70	G 2"	218

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Metal Seated Gate Valve/EN558 Series 14/PN10 PN16

Non-Rising Stem

Model: GV-MS(A)-S-14-H

Features

- Bolt Bonnet
- Solid wedge disc
- Clockwise closing direction
- Seat rings are pressed into wedge and body
- Completely free and full bore design ensures self-cleaning and low pressure loss
- Clockwise closing direction non-rising stem
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 and DIN 3476
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications:

- Design: EN 1074-1 and 2; EN 1171
- Face to Face : EN 558 / ISO 5752 - 14 base series
- Flanges: EN 1092-2 PN10/PN16
- Hydraulic test to EN12266-1
- Operating torque test
- Nominal pressure designation PN10 PN16 bar
- Temperature range 0°C...60°C

Optional Extras:

- Handwheel
- Extension Spindle / T Key
- Gearbox

Material Specifications

Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	GCI	EN-GJL-250 (EN-JL1040) EN 1561	8	Bonnet	GCI	EN-GJL-250 (EN-JL1040) EN 1561
2	Seat Ring	SS	X2CrNiMoV13-5-2 (1.4415) EN 10088-3	9	Stem Collar	SS	X20Cr13 (1.4021) EN 10088-3
3	Wedge	GCI	EN-GJL-250 (EN-JL1040) EN 1561	10	Thrust Washer	Teflon	PTFE EN ISO 13000-1
4	Wedge Ring	SS	X2CrNiMoV13-5-2 (1.4415) EN 10088-3	11	Gland Flange Gasket	Rubber	NBR EN 681-1
5	Wedge Nut	Brass	CuZn36Ni62As (CW602N) EN 12167	12	Stem Sealing	Rubber	NBR EN 681-1
6	Stem	SS	X20Cr13 (1.4021) EN 10088-3	13	Gland Flange	GCI	EN-GJL-250 (EN-JL1040) EN 1561
7	Bonnet Gasket	Graphite+SS	X20Cr13 (1.4021) EN10088-3 +Graphite	14	Dust Guard	Rubber	NBR EN 681-1
				15	Hand Wheel	GCI	EN-GJL-250 (EN-JL1040) EN 1561

Dimensions

Size	L	D		D1		D2		b		n-Ød		H	W	No. of turns to close	Opening Torque (N.m) PN10/16	Closing Torque (N.m) PN10/16
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16					
DN40	140	150	150	110	110	84	84	19	19	4-Ø19	4-Ø19	248	Ø 180	data on req.	data on req.	data on req.
DN50	150	165	165	125	125	99	99	19	19	4-Ø19	4-Ø19	242	Ø 180	data on req.	data on req.	data on req.
DN65	170	185	185	145	145	118	118	19	19	4-Ø19	4-Ø19	261	Ø 200	data on req.	data on req.	data on req.
DN80	180	200	200	160	160	132	132	19	19	8-Ø19	8-Ø19	318	Ø 200	data on req.	data on req.	data on req.
DN100	190	220	220	180	180	156	156	19	19	8-Ø19	8-Ø19	353	Ø 250	data on req.	data on req.	data on req.
DN125	200	250	250	210	210	184	184	19	19	8-Ø19	8-Ø19	445	Ø 280	data on req.	data on req.	data on req.
DN150	210	285	285	240	240	211	211	19	19	8-Ø23	8-Ø23	480	Ø 320	data on req.	data on req.	data on req.
DN200	230	340	340	295	295	266	266	20	20	8-Ø23	12-Ø23	590	Ø 350	data on req.	data on req.	data on req.
DN250	250	395	405	350	355	319	319	22	22	12-Ø23	12-Ø28	650	Ø 380	data on req.	data on req.	data on req.
DN300	270	445	460	400	410	370	370	24.5	24.5	12-Ø23	12-Ø28	730	Ø 315	data on req.	data on req.	data on req.

Metal Seated Gate Valve/EN558 Series 14/PN10 PN16

Non-Rising Stem

Model: GV-MS(A)-S-14-H

Features

- Bolt Bonnet
- Solid wedge disc
- Clockwise closing direction
- Seat rings are pressed into wedge and body
- Completely free and full bore design ensures self-cleaning and low pressure loss
- Clockwise closing direction non-rising stem
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 and DIN 3476
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may made from electroplated applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications:

- Design: EN 1074-1 and 2; EN 1171
- Face to Face : EN 558 / ISO 5752 - 14 base series
- Flanges: EN 1092-2 PN10/PN16
- Hydraulic test to EN12266-1
- Operating torque test
- Nominal pressure designation PN10 PN16 bar
- Temperature range 0°C...60°C

Optional Extras:

- Handwheel
- Extension Spindle / T Key
- Gearbox
- By-Pass Valve for working diameters ≥ DN700

Material Specifications

Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Drenage	Zn-plated	S235JR Zink coated (1.0038) EN 10025-2	9	Bonnet	DI	EN GJS-500-7 (5.3200) EN 1563
2	Wedge	DI	EN GJS-500-7 (5.3200) EN 1563	10	Stem collar	SS	X20Cr13 (1.4021) EN 10088-3
3	Wedge Ring	Brass	CuZn36Pb2As (CW602N) EN 12167	11	Gland Flange Gasket	Rubber	NBR EN 681-1
4	Body	DI	EN GJS-500-7 (5.3200) EN 1563	12	Gland Flange	DI	EN GJS-500-7 (5.3200) EN 1563
5	By-pass Valve DI		EN GJS-500-7 (5.3200) EN 1563	13	O-ring	Rubber	NBR EN 681-1
6	Seat Ring	Brass	CuZn36Pb2As (CW602N) EN 12167	14	Dust Guard	Rubber	NBR EN 681-1
7	Wedge Nut	Brass	CuZn36Pb2As (CW602N) EN 12167	15	Gearbox	DI	EN GJS-500-7 (5.3200) EN 1563
8	Stem	SS	X20Cr13 (1.4021) EN 10088-3	16	Handwheel	DI	EN GJS-500-7 (5.3200) EN 1563

Dimensions

Size	L	D		D1		D2		b		n-Ød		H	W	No. of turns to close	Opening Torque (N.m) PN10/16	Closing Torque (N.m) PN10/16
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16					
DN350	290	505	520	460	470	429	429	24.5	26.5	16-Ø23	16-Ø28	980	Ø 460	data on req.	data on req.	data on req.
DN400	310	565	580	515	525	480	480	24.5	28	16-Ø28	16-Ø31	1070	Ø 460	data on req.	data on req.	data on req.
DN450	330	615	640	565	585	530	548	25.5	30	20-Ø28	20-Ø31	1154	Ø 460	data on req.	data on req.	data on req.
DN500	350	670	715	620	650	562	609	26.5	31.5	20-Ø28	20-Ø34	1120	Ø 640	data on req.	data on req.	data on req.
DN600	390	780	840	725	770	682	720	30	36	20-Ø31	20-Ø37	1421	Ø 900	data on req.	data on req.	data on req.

Metal Seated Gate Valve/EN558 Series 14/PN10 PN16

Non-Rising Stem

Model: GV-MS(A)-S-14-D

Features

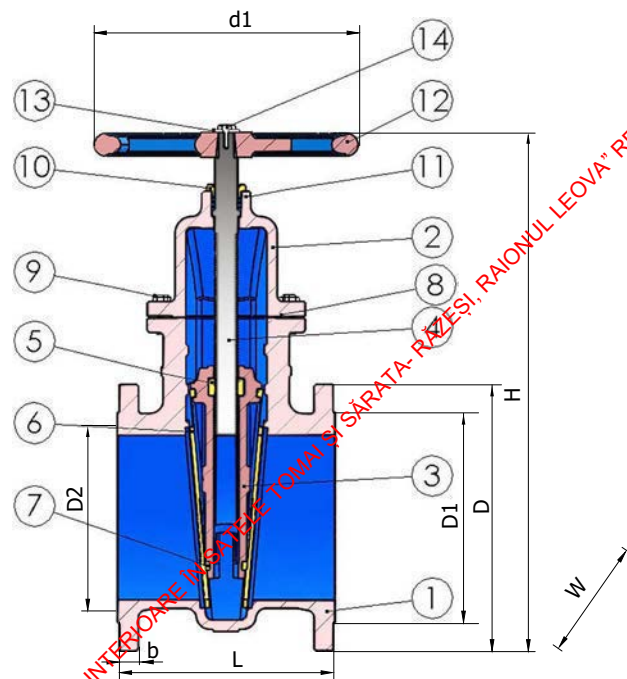
- Rolled stem design provides low operating torque values.
- A revolving, non-rising, rolled, mono-block stem which is transmitting the handwheel rotation to the wedge.
- Bolt bonnet with bonnet nut, threaded to the bonnet and firm against axial movement.
- Guided wedge in the body in a precast groove providing undisturbed water flow when the valve is fully open.
- Pressed-in/threaded/welded sealing seat into body and the wedge, providing drip tight sealing when the valve is closed. Pressed-in, threaded or welded rings alternatives. Two body and two wedge rings match with each other for drip tight
- Solid wedge disc
- Clockwise closing direction
- For DI valve- Epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476 DN40-400 -- Electrostatic Fusion Bonded Powder Epoxy Blue DN450-600 -- Two Pack Liquid Epoxy Blue
- Thermoset and thermoplastic coatings are available.
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications

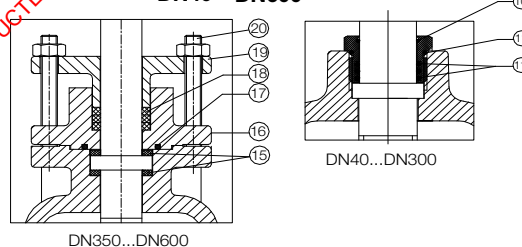
- Design: EN 1074-1 and 2; EN 1171, EN 1984
- Face to Face: EN 558 / ISO 5752 - 14 base series
- Flanges from DI according to EN1092-2 PN10/16
- Flanges from CS, SS, according to EN1092-1 PN10/16
- Flanges from NAB, according to EN1092-3 PN10/16
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Industrial water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16 bar
- Temperature range 0°C...60°C

Optional Extras:

- Extension Spindle / T Key
- Wedge guide for specific sizes upon request.
- Jacking screw, wedge stop or drain plug for specific sizes upon request.
- Bypass valve for large sizes upon request.
- Chainwheel, gearbox and actuator accessories upon request.



DN40 - DN600



Material Specifications

Item	Part Name	Material	Item	Part Name	Material	Grade
1	Body	DI CS* SS* NAB*	10	Bonnet Nut	Bronze Brass* SS* NAB*	CuSn5Zn5Pb5-C (CC491K) EN 1982 CuZn39Pb (CW611N) EN 12167 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
2	Bonnet	DI CS* SS* NAB*	11	O-ring	Rubber	EPDM EN 681-1 NBR * EN 681-1
3	Wedge	DI CS* SS* NAB*	12	Handwheel	GCI DI*	EN-GJL-250 (EN-JL1040) EN 1561 EN-GJS-400-15 (5.3106) EN 1563
4	Stem	SS SS* SS* NAB*	13	Washer	CS Zn plated SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 (DIN 125) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
5	Stem Nut	Bronze Brass* SS* NAB*	14	Bolt	CS Zn plated SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912) X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4762 8.8 (DIN 912 A2/A4)
6	Body Seat	Bronze Brass* SS* NAB*	15	Bearing	Bronze Brass*	CuSn5Zn5Pb5-C (CC491K) EN 1982 CW611N (CuZn39Pb1) EN 12167
7	Wedge Seat	Bronze Brass* SS* NAB*	16	Gland House	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
8	Gasket	Rubber	17	O-ring	Rubber	EPDM EN 681-1 NBR * EN 681-1
9	Bolt	CS Zn plated SS*	18	Gland	Teflon Rubber*	PTFE EN ISO 13000-1 EPDM EN 681-1
			19	Gland Press	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
			20	Stud	CS Zn plated SS*	S235JR Zink coated (1.0038) EN 10025-2 UNI 6610 8.8 (DIN 976) X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 UNI 6610 8.8 (DIN 976)

* Optional material upon request.

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Metal Seated Gate Valve/EN558 Series 14/PN10 PN16

Non-Rising Stem

Model: GV-MS(A)-S-14-D

Dimensions

Size	L	D		D1		D2		b		n-Ød		H	d1	W	No. of turns to close	Opening Torque (N.m) PN10/16	Closing Torque (N.m) PN10/16
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16						
DN40	140	150	150	110	110	84	84	19	19	4-Ø19	4-Ø19	250	Ø 160	160	10	8	10
DN50	150	165	165	125	125	99	99	19	19	4-Ø19	4-Ø19	255	Ø 160	165	13	15	15
DN65	170	185	185	145	145	118	118	19	19	4-Ø19	4-Ø19	270	Ø 160	185	16	20	25
DN80	180	200	200	160	160	132	132	19	19	8-Ø19	8-Ø19	280	Ø 160	200	20	25	30
DN100	190	220	220	180	180	156	156	19	19	8-Ø19	8-Ø19	295	Ø 200	220	22.5	30	30
DN125	200	250	250	210	210	184	184	19	19	8-Ø19	8-Ø19	385	Ø 250	250	25	32	33
DN150	210	285	285	240	240	211	211	19	19	8-Ø23	8-Ø23	430	Ø 250	285	30	34	36
DN200	230	340	340	295	295	266	266	20	20	8-Ø23	12-Ø23	510	Ø 315	340	39	40	40
DN250	250	395	405	350	355	319	319	22	22	12-Ø23	12-Ø28	570	Ø 315	415	50	50	60
DN300	270	445	460	400	410	370	370	24.5	24.5	12-Ø23	12-Ø28	655	Ø 315	470	60	65	75
DN350	290	505	520	460	470	429	429	24.5	26.5	16-Ø23	16-Ø28	875	Ø 400	580	58	80	85
DN400	310	565	580	515	525	480	480	24.5	28	16-Ø28	16-Ø31	985	Ø 400	616	67	90	95
DN450	330	615	640	565	585	530	548	25.5	30	20-Ø28	20-Ø31	1065	Ø 500	670	75	95	100
DN500	350	670	715	620	650	562	609	26.5	31.5	20-Ø28	20-Ø34	1145	Ø 500	730	data on req.	data on req.	data on req.
DN600	390	780	840	725	770	682	720	30	36	20-Ø31	20-Ø37	1340	Ø 500	850	data on req.	data on req.	data on req.

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Metal Seated Gate Valve/EN558 Series 15/ PN10 PN16 PN25 PN40

Non-Rising Stem

Model: GV-MS(A)-S-15-D

Features

- Rolled stem design provides low operating torque values.
- A revolving, non-rising, rolled, mono-block stem which is transmitting the handwheel rotation to the wedge.
- Bolt bonnet with bonnet nut, threaded to the bonnet and firm against axial movement.
- Guided wedge in the body in a precast groove providing undisturbed water flow when the valve is fully open.
- Pressed-in/threaded/welded sealing seat into body and the wedge, providing drip tight sealing when the valve is closed. Pressed-in, threaded or welded rings alternatives. Two body and two wedge rings match with each other for drip tight
- Solid wedge disc
- Clockwise closing direction
- For DI valve- Epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476 DN40-400 -- Electrostatic Fusion Bonded Powder Epoxy Blue DN450-600 -- Two Pack Liquid Epoxy Blue
- Thermoset and thermoplastic coatings are available.
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coated acc. to EN ISO 10683. On request they may be made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171, EN 1984
- Face to Face: EN 558 / ISO 5752 - 15 base series
- Flanges from DI according to EN1092-2 PN10/16/25/40
- Flanges from CS,SS, according to EN1092-1 PN10/16/25/40
- Flanges from NAB, according to EN1092-3 PN10/16/25/40
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Industrial water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16 PN25 PN40 bar
- Temperature range 0°C...60°C

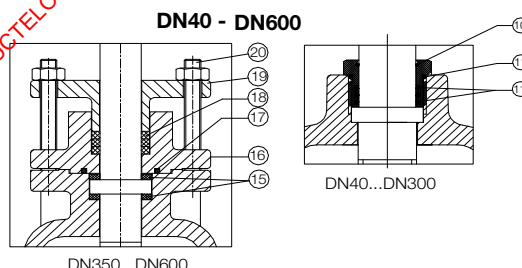
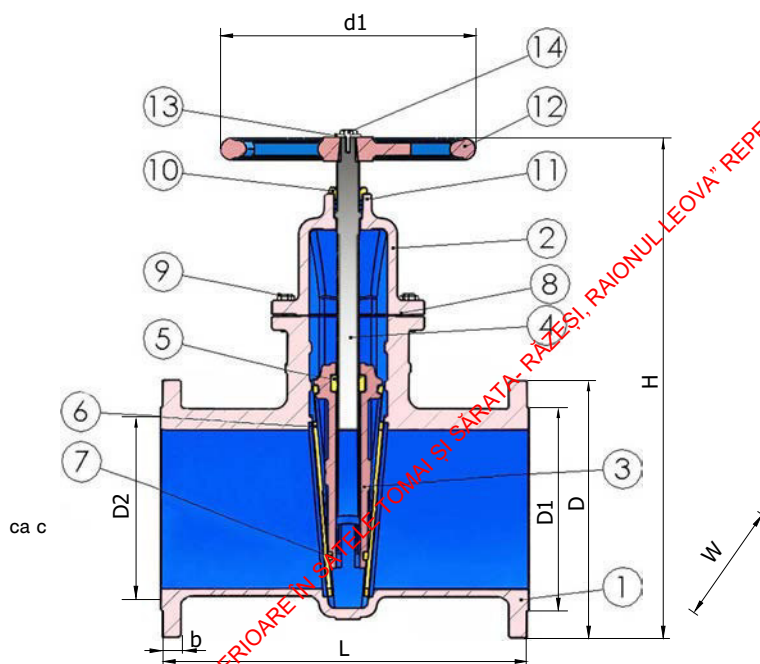
Optional Extras:

- Extension Spindle / T Key
- Wedge guide for specific sizes upon request.
- Jacking screw, wedge stop or drain plug for specific sizes upon request.
- Bypass valve for large sizes upon request.
- Chainwheel, gearbox and actuator accessories upon request.

Material Specifications

Item	Part Name	Material	Item	Part Name	Material	Grade	
1	Body	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165	10	Bonnet Nut	Bronze Brass* SS* NAB*	CuSn5Zn5Pb5-C (CC491K) EN 1982 CuZn39Pb (CW611N) EN 12167 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
2	Bonnet	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165	11	O-ring	Rubber	EPDM EN 681-1 NBR * EN 681-1
3	Wedge	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165	12	Handwheel	GCI DI*	EN-GJL-250 (EN-JL1040) EN 1561 EN-GJS-400-15 (5.3106) EN 1563
4	Stem	SS SS* SS* NAB*	1.4021 (X20Cr13) EN 10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165	13	Washer	CS Zn plated SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 (DIN 125) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
5	Stem Nut	Bronze Brass* SS* NAB*	CuSn5Zn5Pb5-C (CC491K) EN 1982 CuZn39Pb (CW611N) EN 12167 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165	14	Bolt	CS Zn plated SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912) X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4762 8.8 (DIN 912 A2/A4)
6	Body Seat	Bronze Brass* SS* NAB*	CuSn5Zn5Pb5-C (CC491K) EN 1982 CuZn39Pb (CW611N) EN 12167 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165	15	Bearing	Bronze Brass*	CuSn5Zn5Pb5-C (CC491K) EN 1982 CW611N (CuZn39Pb1) EN 12167
7	Wedge Seat	Bronze Brass* SS* NAB*	CuSn5Zn5Pb5-C (CC491K) EN 1982 CuZn39Pb (CW611N) EN 12167 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165	16	Gland House	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
8	Gasket	Rubber	EPDM EN 681-1 NBR * EN 681-1	17	O-ring	Rubber	EPDM EN 681-1 NBR * EN 681-1
9	Bolt	CS Zn plated SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912) X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4762 8.8 (DIN 912 A2/A4)	18	Gland	Teflon Rubber*	PTFE EN ISO 13000-1 EPDM EN 681-1
				19	Gland Press	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
				20	Stud	CS Zn plated SS*	S235JR Zink coated (1.0038) EN 10025-2 UNI 6610 8.8 (DIN 976) X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 UNI 6610 8.8 (DIN 976)

* Optional material upon request.



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Metal Seated Gate Valve/EN558 Series 15/ PN10 PN16 PN25 PN40

Non-Rising Stem

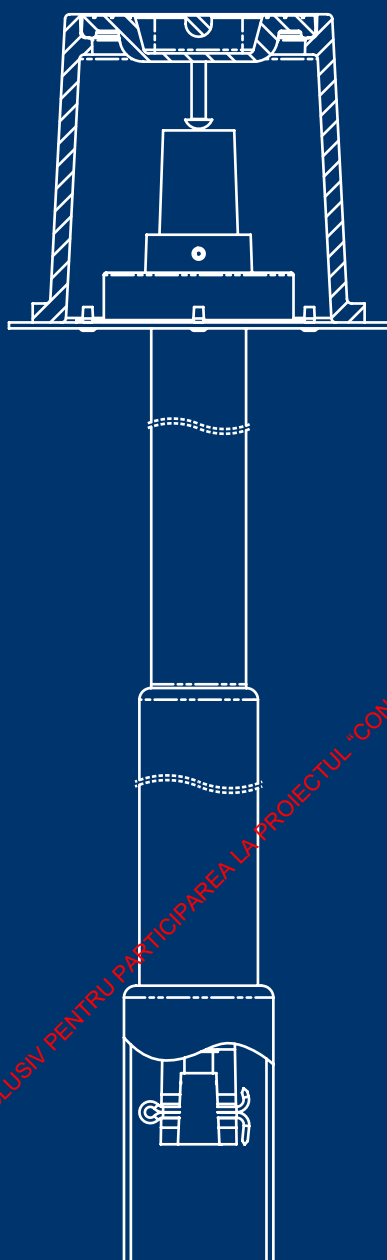
Model: GV-MS(A)-S-15-D

Dimensions

Size	L	D				D1				D2				b				n-Ød				H	W
		PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40		
DN40	240	150	150	150	150	110	110	110	110	84	84	84	84	19	19	19	19	4-Ø19	4-Ø19	4-Ø19	4-Ø19	235	200
DN50	250	165	165	165	165	125	125	125	125	99	99	99	99	19	19	19	19	4-Ø19	4-Ø19	4-Ø19	4-Ø19	240	200
DN65	270	185	185	185	185	145	145	145	145	118	118	118	118	19	19	19	19	4-Ø19	4-Ø19	8-Ø19	8-Ø19	265	250
DN80	280	200	200	200	200	160	160	160	160	132	132	132	132	19	19	19	19	8-Ø19	8-Ø19	8-Ø19	8-Ø19	290	250
DN100	300	220	220	235	235	180	180	190	190	156	156	156	156	19	19	19	19	8-Ø19	8-Ø19	8-Ø23	8-Ø23	330	250
DN125	325	250	250	270	270	210	210	220	220	184	184	184	184	19	19	19	23.5	8-Ø19	8-Ø19	8-Ø28	8-Ø28	390	315
DN150	350	285	285	300	300	240	240	250	250	211	211	211	211	19	19	20	26	8-Ø23	8-Ø23	8-Ø28	8-Ø28	430	315
DN200	400	340	340	360	375	295	295	310	320	266	266	274	284	20	20	22	30	8-Ø23	12-Ø23	12-Ø28	12-Ø31	535	400
DN250	450	395	405	425	450	350	355	370	385	319	319	330	345	22	22	24.5	34.5	12-Ø23	12-Ø28	12-Ø31	12-Ø34	590	410
DN300	500	445	460	485	515	400	410	430	450	370	370	389	409	24.5	24.5	27.5	39.5	12-Ø23	12-Ø28	16-Ø31	16-Ø34	700	505
DN350	550	505	520	555	580	460	470	490	510	429	429	448	465	24.5	26.5	28	44	16-Ø23	16-Ø28	16-Ø34	16-Ø37	865	565
DN400	600	565	580	620	660	515	525	550	585	480	480	503	535	24.5	28	30	48	16-Ø28	16-Ø31	16-Ø37	16-Ø41	970	640
DN450	650	615	640	670	685	565	585	600	610	530	548	548	560	25.5	30	34.5	49	20-Ø28	20-Ø31	20-Ø37	20-Ø41	1075	770
DN500	700	670	715	730	755	620	650	660	670	562	609	609	615	26.5	31.5	36.5	52	20-Ø28	20-Ø34	20-Ø37	20-Ø44	1190	800
DN600	800	780	840	845	890	725	770	770	795	682	720	720	735	30	36	42	58	20-Ø31	20-Ø37	20-Ø41	20-Ø50	1365	895
DN700	900	895	910	960	995	840	840	875	900	794	794	820	840	32.5	39.5	46.5	64	24-Ø31	24-Ø37	24-Ø44	24-Ø48	1530	1050
DN800	1000	1015	1025	1085	1140	950	950	990	1030	901	901	928	960	35	43	51	70	24-Ø34	24-Ø41	24-Ø50	24-Ø56	1690	1126
DN900	1100	1115	1125	1185	1250	1050	1050	1090	1150	1001	1001	1028	1070	37.5	46.5	55.5	77	28-Ø34	28-Ø41	28-Ø50	28-Ø57	1925	1500
DN1000	1200	1230	1255	1320	1380	1160	1170	1210	1280	1112	1112	1140	1180	40	50	60	86	28-Ø37	28-Ø44	28-Ø57	28-Ø62	2007	1255
DN1200	1400	1455	1485	1530	1600	1380	1390	1420	1500	1328	1328	1350	1400	45	57	69	97	32-Ø41	32-Ø50	32-Ø57	32-Ø62	2305	1485
DN1400	1600	1675	1685	1755	1820	1590	1590	1640	1720	1530	1530	1560	1620	46	60	74	106	36-Ø44	36-Ø50	36-Ø62	36-Ø67	2820	1870
DN1600	1800	1915	1930	1975	2050	1820	1820	1860	1950	1750	1750	1780	1850	49	65	81	118	40-Ø50	40-Ø57	40-Ø62	40-Ø67	3328	2028

1/ Data on request.

Size	d1	No. of turns to close	Opening Torque (N.m)	Closing Torque (N.m)	Opening Torque (N.m)	Closing Torque (N.m)	Opening Torque (N.m)	Closing Torque (N.m)
			PN10	PN10	PN16	PN16	PN25/40	PN25/40
DN40	Ø200	14	12	15	15	15	data on req.	data on req.
DN50	Ø200	14	15	20	20	20	data on req.	data on req.
DN65	Ø250	14.5	40	40	40	40	data on req.	data on req.
DN80	Ø250	17.5	40	45	50	45	data on req.	data on req.
DN100	Ø250	22.5	50	50	50	50	data on req.	data on req.
DN125	Ø315	24.5	50	55	50	55	data on req.	data on req.
DN150	Ø315	30.5	50	55	50	55	data on req.	data on req.
DN200	Ø315	33.5	100	120	100	120	data on req.	data on req.
DN250	Ø400	42	110	180	120	200	data on req.	data on req.
DN300	Ø400	50	115	180	125	200	data on req.	data on req.
DN350	Ø500	58	150	250	165	265	data on req.	data on req.
DN400	Ø500	66.5	200	275	210	285	data on req.	data on req.
DN450	Ø600	75	205	285	220	290	data on req.	data on req.
DN500	Ø800	84	210	295	230	295	data on req.	data on req.
DN600	Ø800	85	210	300	250	300	data on req.	data on req.
DN700	Ø800	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.
DN800	Ø800	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.
DN900	Ø800	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.
DN1000	Ø900	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.
DN1200	Ø1000	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.
DN1400	Ø1000	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.
DN1600	Ø1000	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.	data on req.



Accessories

ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU PARTICIPAREA LA PROIECTUL "CONSTRUCTIA APEDUCTELOR INTERIOARE ÎN SATELE TOMAI ȘI SĂRATA- RĂZESI, RAIONUL LEOVA" REPETAT 2025"

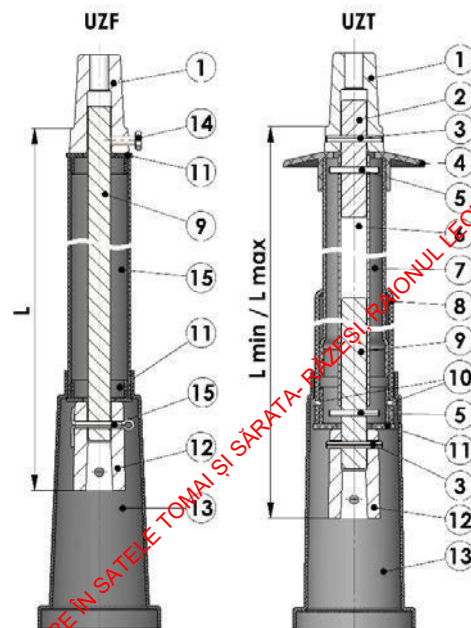
Extension spindles for Service and Resilient Seated Gate Valves

Fixed and Telescopic Type

Model: UZF, UZT

Features

- Easy access to underground mounted service and gate valves
- Fixed and telescopic options available
- Corrosion protection - bitumen coating
- Different coatings available upon request



Material Specifications

Fixed length extension spindle

Item	Part Name	Material	Grade
1	Adaptor for T-key	GCI	EN-GJL-300 (EN-JL1050) EN 1561
9	Stem	CS	S235JR (1.0038) EN 10025-2
11	Cap	Polyethylene	HDPE EN ISO 17855-2
12	Adaptor for Valve Stem	GCI	EN-GJL-300 (EN-JL1050) EN 1561
13	Bell	Polyethylene	HDPE EN ISO 17855-2
14	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 934 A2/A4)
15	Outer Tube	Polyethylene	HDPE EN ISO 17855-2
16	Splint Pin	Spring Steel	X10CrNi18-8 (1.4310) EN 10270-3 EN ISO 1234 (DIN 34 A2/A4)

Telescopic extension spindle

Item	Part Name	Material	Grade
1	Adaptor for T-key	GCI	EN-GJL-300 (EN-JL1050) EN 1561
2	Connector	CS	S235JR (1.0038) EN 10025-2
3	Spring Pin	Spring Steel	C100S (1.1274) EN 10132-4 EN ISO 8752 (DIN 1481 FST)
4	Collar	Polyethylene	HDPE EN ISO 17855-2
5	Spring Pin	Spring Steel	C100S (1.1274) EN 10132-4 EN ISO 8752 (DIN 1481 FST)
6	Square Tube	CS	S235JR (1.0038) EN 10025-2
7	Inner Tube	Polyethylene	HDPE EN ISO 17855-2
8	Outer Tube	Polyethylene	HDPE EN ISO 17855-2
9	Stem	CS	S235JR (1.0038) EN 10025-2
10	Blind rivet	Aluminium	ENAC-AIMg5(Si) (ENAC-51400) EN 1706 EN ISO 8752 (DIN 1481 FST)
11	Cap	Polyethylene	HDPE EN ISO 17855-2
12	Adaptor Valve Stem	GCI	EN-GJL-300 (EN-JL1050) EN 1561
13	Bell	Polyethylene	HDPE EN ISO 17855-2

Dimensions

Fixed length extension spindle (UZF) (L=mm)

Model	Length (L)				for Service Valves		for Resilient Seated Gate Valves		MOT [Nm]
	[m]				type	DN	type	DN	
UZF - L/32	0,8	1,0	1,25	1,5	SV-I	20, 25, 32	-	-	32
UZF - L/80					SV-I	40, 50	GV-RS-S-14-I	from 40 to 80	80
UZF - L/150					SV-H	from 20 to 50			
UZF - L/300					SV-I	40, 50	GV-RS-S-14-I	from 40 to 150	150
UZF - L/400					SV-H	from 20 to 50			
UZF - L/600					-	-	GV-RS-S-14-I	200, 250, 300	300
					-	-	GV-RS(A)-XL-14-I	350, 400	400
					-	-	GV-RS(A)-XL-14-I	450, 500, 600	600

Telescopic extension spindle (UZT) (L=mm)

Model	Range (L min / L max)					for Service Valves		for Resilient Seated Gate Valves		MOT [Nm]
	[m]					type	DN	type	DN	
UZT32 - L min / L max	0,7/1,1	0,8/1,2	0,9/1,5	1/1,65	1/1,8	SV-I	20, 25, 32	-	-	32
UZT150 - L min / L max						SV-I	40, 50	GV-RS-S-14-I	from 40 to 150	150
UZT300 - L min / L max						SV-H	from 20 to 50			
						-	-	GV-RS-S-14-I	200, 250, 300	300

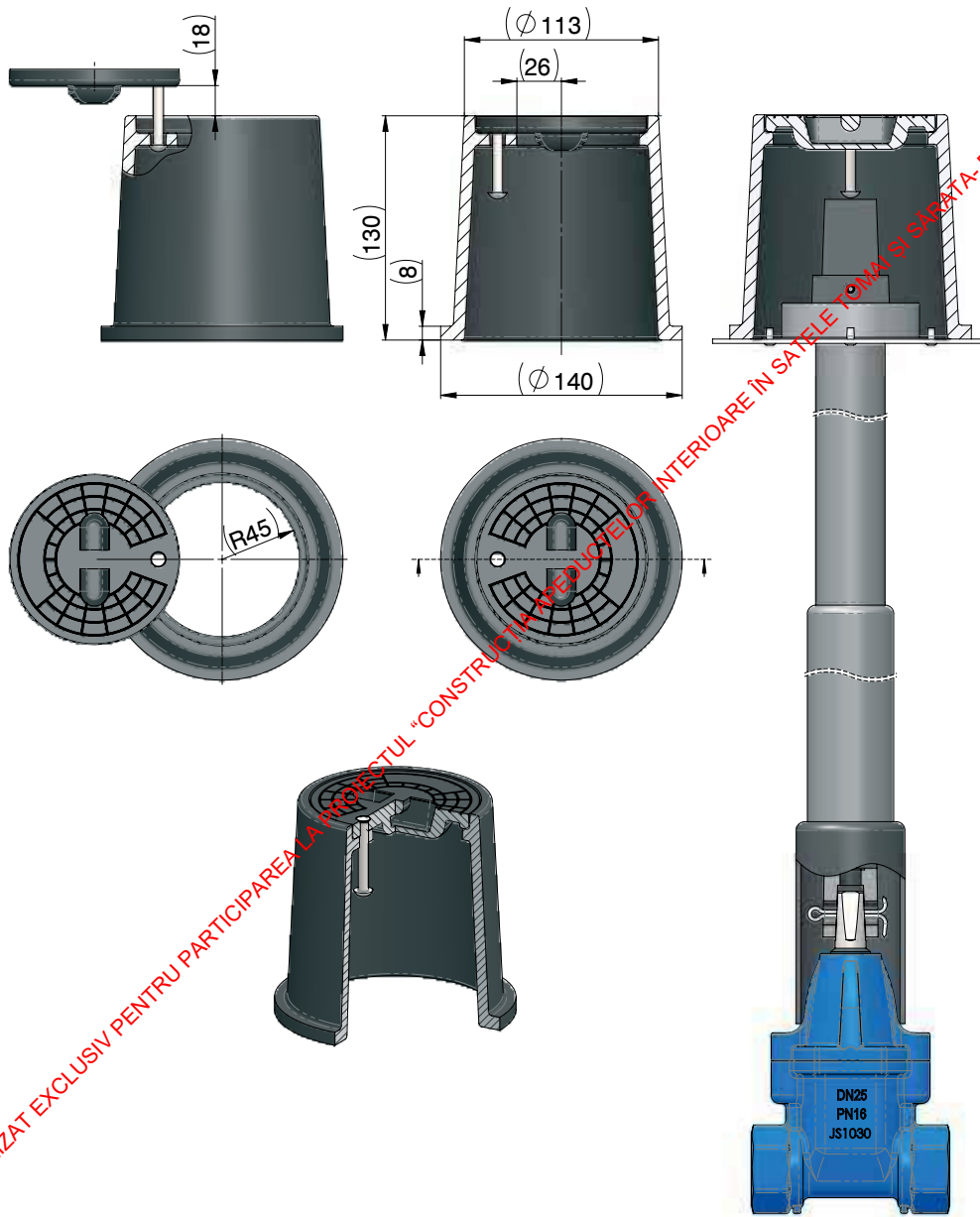
Different length available on request

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Model: SB-GB-CGI-W

Features

- Corrosion protection



Material Specifications

Item	Part Name	Material	Grade
1	Body	GCI	EN-GJL-250 (EN-JL1040) EN 1561
2	Bonnet	GCI	EN-GJL-250 (EN-JL1040) EN 1561
3	Bonnet Frame	Stainless Steel	X5CrNi18-10 (1.4301) EN 10088-3
4	Bolts	Stainless Steel	X5CrNi18-10 (1.4301) A2-70 EN ISO 3506-1 EN ISO 4762 8.8 (DIN 912 A2/A4)

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Surface Box for Service and Gate Valves

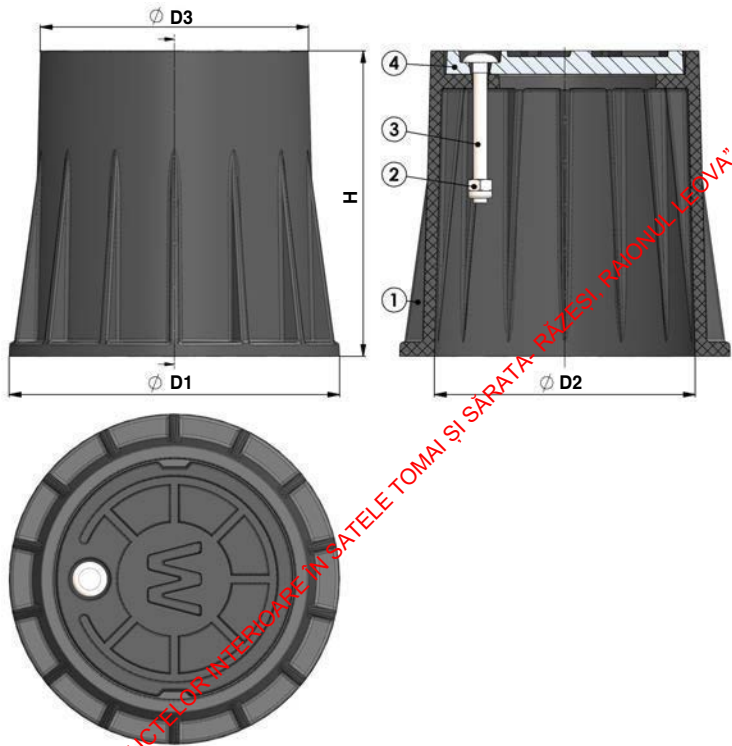
Model: SB-GB-150-BPE-W

Features

- The Surface boxes, related to valves, make it possible to actuate a service connection or a gate valve.
- Wato Street boxes are designed for service valves or gate valves with diameters from DN40 to DN150.

Technical Specifications

- The construction is lightweight with fixed height of the surface box. In a separate mounting in the upper part of the Body is installed a Bonnet, fixed to the body by bolt and nut.
- The length of the bolt allows that Bonnet to be Installed and rotated, there by providing access to the upper end of the extension spindle to the gate valve.
- Production process - WATO Plastic moulding machine MA4700 II gives possibility to produce up to 500 pcs street boxes per day.



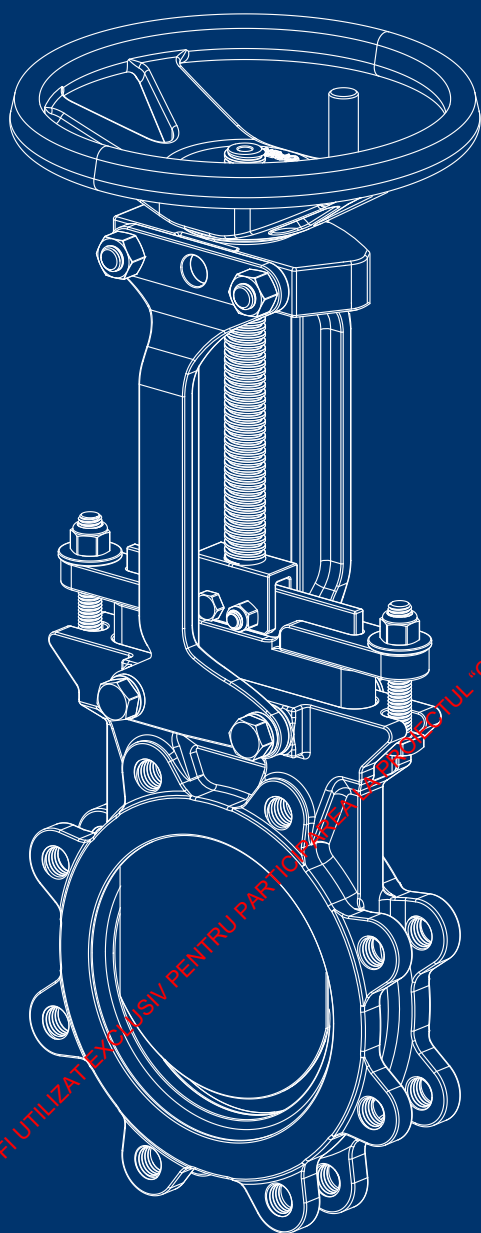
Material Specifications

Item	Part Name	Material	Grade
1	Body	HDPE volume injection	HDPE EN ISO 17855-2
2	Bonnet	CGI	EN-GJL-250 (EN-JL1040) EN 1561
3	Self-locking nut with non-metallic insert M6	CS Zn plated	S235JR (1.0038) Zn-plated EN 10025-2 EN ISO 7040 8.8 (DIN 982)
4	Bolt M6X60	CS Zn plated	S235JR (1.0038) Zn-plated EN 10025-2 EN ISO 8677 4.6 (DIN 603)

Dimensions

D1 (mm)	D2 (mm)	D3 (mm)	H (mm)	Weight (kg)	Marking
140	110	114	130	0.8	W

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Knife Gate Valves

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Knife Gate Valves /EN558 Series 20 / PN10 PN16

Bidirectional Seat Rising Stem

Model: GV-K-RS-BD-H

Features

- Wafer style one piece body, full port design for great flow capacity and minimal pressure drop. Internal cast in wedges and guides allows for tight shut-off, avoids any solids that would prevent valves from closing. Fixing lugs on the bootom of the body for the bottom line installation.
- Completely free and full bore design ensures self-cleaning and low pressure loss.
- Bidirectional flow and rising stem, made from stainless steel with double lead driving thread made by rolling ensures smooth quick operation and low torque.
- Stainless steel sharp knife gate machined and polished on both sides to avoid jamming and seat damage. Bevel knife gate bottom to cut through solids for a tight seal in the closed position.
- Seat, made from elastomer rubber with unique molded rubber gasket in the internal of the valve body with a replaceable cast iron retainer ring. Other material also available on request like Viton, PTFE, etc. The cast iron back ring material allows reversible robust tight sealing. Rate of tightness class A according to EN 12266-1.
- Yoke with option for actuator support, made of epoxy coated steel with compact design, which makes it extremely robust even under the most severe conditions.
- Long-life packing with several layers of braided fibre plus EPDM o-ring, with an easy access. The packing gland ensuring a tight seal. The long life braided packing is available in a wide range of materials.
- Interchangeable actuating with main control by handwheel.
- Electrostatically sprayed epoxy coated inside and outside for the coating units, providing heavy-duty corrosion protection with a high quality finished surface.
- Product color: Blue RAL 5017. Option for black color on request.
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may made from electrolytically applied zinc coating according to EN ISO 2081.

Technical Specifications

- Directive: 2014/68/EU (PED) Fluid: Group 1(b), 2 (Cat. I, mod. A)
- Face to Face: EN 558 / ISO 5752 - 20 base series
- Flanges: EN 1092-2 PN10/16 ANSI B16.5 Class150
- Hydraulic test to EN12266-1
- Application: Pulp production; Water, Waste water Treatment; Sludge Handling and storm tanks; Agriculture; Food and Beverage; Chemical industry; Power plants; Mining
- Nominal pressure designation: PN16 bar for DN50 to DN125 PN10 bar for DN ≥150
- Temperature range seat material max 120°C EPDM; max 200°C Viton
- Temperature range packing material max 240°C PTFE impregn. synth fibre

Optional Extras

- Protective tube for stem against dust while the valve is in the open position
- Position for travel switch
- Position for indicator
- Gearbox
- Electric and pneumo actuator

Material Specifications

Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561	12	Lock Nut	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7040 8.8 (DIN 982)
2	Seat	Rubber	EPDM / NBR EN 681-1	13	Handwheel	CS	GP240GH (1.0619) EN 10213
3	Seat Back	DI	EN-GJS-500-7 (5.3200) EN 1563	14	Circlip	SS	X90CrMoV18 (1.4112) EN 10088-1 UNI 6610 8.8 (DIN 976)
4	Knife	SS	X5CrNi18-10 (1.4301) EN10088-3	15	Spacer Sleeve	Brass	CuZn39Pb1 (CW611N) EN 12167
5	Knife Seal Packing	Rubber	EPDM / NBR EN 681-1	16	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
6	Stud	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 UNI 6610 8.8 (DIN 976)	17	Spring Washer	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 8.8 (DIN 127B)
7	Plain Washer	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 8.8 (DIN 125)	18	Nut	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4032 8.8 (DIN 934)
8	Nut	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4032 8.8 (DIN 934)	19	Packing Gland	DI	EN-GJS-500-7 (5.3200) EN 1563
9	Yoke	CS SS*	GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN10088-3	20	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
10	Stem	SS	X30Cr13 (1.4028) EN 10088-3	21	Plain Washer	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 8.8 (DIN 125)
11	Stem Nut	Brass Bronze*	CuZn39Pb1 (CW611N) EN 12167 CuSn5Zn5Pb5-C (CC491K) EN 1982	22	Seat Retainer	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561
12	Top Flange	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561				

* Optional material upon request.

Dimensions

Size	L	D1		n - Ød		n - M		L1	L2	H1	H2	H3	H (shut/open)	W
		PN10	PN16	PN10	PN16	PN10	PN16							
DN50	43	125	125	2-Ø19	2-Ø19	2- M16	2- M16	145	104	87	170	74	334 / 384	180
DN65	46	145	145	2-Ø19	2-Ø19	2- M16	2- M16	145	104	107	185	74	356 / 421	180
DN80	46	160	160	2-Ø19	2-Ø19	2- M16	2- M16	165	106	117	203	79	400 / 480	200
DN100	52	180	180	2-Ø19	2-Ø19	2- M16	2- M16	180	106	129	260	70.5	428 / 528	200
DN125	56	210	210	2-Ø19	2-Ø19	2- M16	2- M16	208	106	149	243	88	480 / 605	250
DN150	56	240	240	2-Ø23	2-Ø23	2- M20	2- M20	238	124	168	327	88	583 / 733	250
DN200	60	295	295	2-Ø23	2-Ø23	4- M20	4- M20	295	138	240	432	102	775 / 975	280
DN250	68	350	355	2-Ø23	2-Ø28	4- M20	4- M24	345	146	262	431	97	790 / 1040	320
DN300	78	400	410	2-Ø23	2-Ø28	4- M20	4- M24	395	156	320	488	97	900 / 1200	320

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Knife Gate Valves /EN558 Series 20 / PN10 PN16

Bidirectional Seat Non-Rising Stem

Model: GV-K-N-RS-BD-H

Features

- Wafer style one piece body, full port design for great flow capacity and minimal pressure drop. Internal cast in wedges and guides allows for tight shut-off, avoids any solids that would prevent valves from closing. Fixing lugs on the bootom of the body for the bottom line installation.
- Completely free and full bore design ensures self-cleaning and low pressure loss.
- Bidirectional flow and nonrising stem, made from stainless steel with double lead driving thread made by rolling ensures smooth quick operation and low torque.
- Stainless steel sharp knife gate machined and polished on both sides to avoid jamming and seat damage. Bevel knife gate bottom to cut through solids for a tight seal in the closed position.
- Seat, made from elastomer rubber with unique molded rubber gasket in the internal of the valve body with a replaceable cast iron retainer ring. Other material also available on request like Viton, PTFE, etc. The cast iron back ring material allows reversible robust tight sealing. Rate of tightness class A according to EN 12266-1.
- Yoke with option for actuator support, made of epoxy coated steel with compact design, which makes it extremely robust even under the most severe conditions.
- Long-life packing with several layers of braided fibre plus EPDM o-ring, with an easy access. The packing gland ensuring a tight seal. The long life braided packing is available in a wide range of materials.
- Interchangeable actuating with main control by handwheel.
- Electrostatically sprayed epoxy coated inside and outside for the coating units, providing heavy-duty corrosion protection with a high quality finished surface.
- Product color: Blue RAL 5017. Option for black color on request.
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may made from electrolytically applied zinc coating according to EN ISO 2081.

Technical Specifications

- Directive: 2014/68/EU (PED) Fluid: Group 1(b), 2 (Cat. I, mod. A)
- Face to Face: EN 558 / ISO 5752 - 20 base series
- Flanges: EN 1092-2 PN10/16 ANSI B16.5 Class150
- Hydraulic test to EN12266-1
- Application: Pulp production; Water/Waste water Treatment; Sludge Handling and storm tanks; Agriculture; Food and Beverage; Chemical industry; Power plants; Mining
- Nominal pressure designation: PN16 bar for DN50 to DN125 PN10 bar for DN ≥150
- Temperature range seat material max 120°C EPDM; max 200°C Viton
- Temperature range packing material max 240°C PTFE impregn. synth fibre

Optional Extras

- Protective tube for stem against dust while the valve is in the open position
- Position for travel switch
- Position for indicator
- Gearbox
- Electric and pneumo actuator

Material Specifications

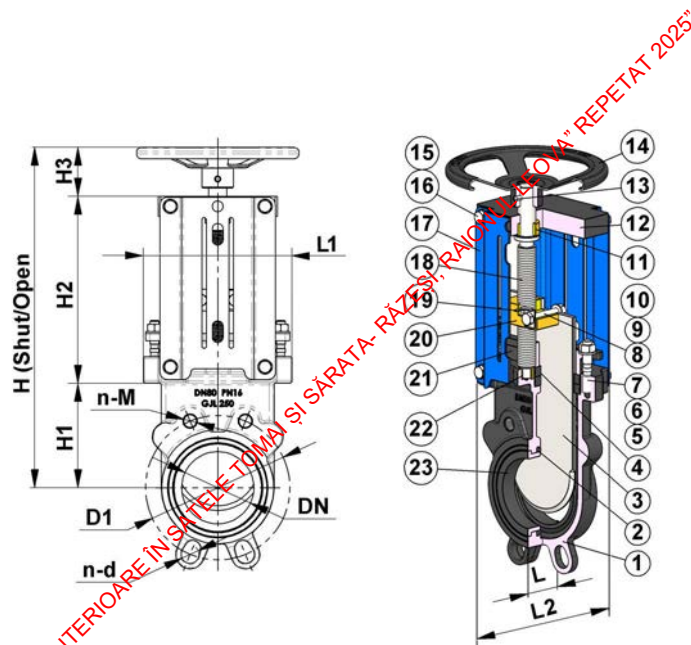
Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561	12	Top Flange	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561
2	Seat	Rubber	EPDM / NBR EN 681-1	13	Pin	SS	X20Cr13 (1.4021) EN 10088-3
3	Seat Back	DI	EN-GJS-500-7 (5.3200) EN 1563	14	Handwheel	CS	GP240GH (1.0619) EN 10213
4	Knife	SS	X5CrNi18-10 (1.4301) EN10088-3	15	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
4	Knife Seal Packing	Rubber	EPDM / NBR EN 681-1	16	Plain Washer	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 8.8 (DIN 125)
5	Stud	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 UNI 6610 8.8 (DIN 976)	17	Yoke	CS SS*	GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN10088-3
6	Plain Washer	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 8.8 (DIN 125)	18	Stem	SS	X30Cr13 (1.4028) EN 10088-3
7	Nut	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4032 8.8 (DIN 934)	19	Indicator Position	SS SS	X5CrNi18-10 (1.4301) EN10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3
8	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)	20	Stem Nut	Brass Bronze*	CuZn39Pb1 (CW611N) EN 12167 CuSn5Zn5Pb5-C (CC491K) EN 1982
9	Spring Washer	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 8.8 (DIN 127B)	21	Packing Gland	DI	EN-GJS-500-7 (5.3200) EN 1563
10	Nut	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4032 8.8 (DIN 934)	22	Bushing	Brass	CuZn39Pb1 (CW611N) EN 12167
11	Bushing	Brass	CuZn39Pb1 (CW611N) EN 12167	23	Seat Retainer	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561

* Optional material upon request.

Dimensions

Size	L	D1		n - Ød		n - M		L1	L2	H1	H2	H3	H (shut/open)	W
		PN10	PN16	PN10	PN16	PN10	PN16							
DN50	43	125	125	2-Ø19	2-Ø19	2- M16	2- M16	145	104	87	170.5	79.5	300 / 365	180
DN65	46	145	145	2-Ø19	2-Ø19	2- M16	2- M16	145	104	107	185	80	325 / 390	180
DN80	46	160	160	2-Ø19	2-Ø19	2- M16	2- M16	165	106	117	203	88	360 / 440	200
DN100	52	180	180	2-Ø19	2-Ø19	2- M16	2- M16	180	106	116	218	82	370 / 470	200
DN125	56	210	210	2-Ø19	2-Ø19	2- M16	2- M16	208	106	149	243	88	425 / 550	250
DN150	56	240	240	2-Ø23	2-Ø23	2- M20	2- M20	238	124	168	327	90	530 / 680	250
DN200	60	295	295	2-Ø23	2-Ø23	4- M20	4- M20	295	138	240	379	95	720 / 920	280
DN250	68	350	355	2-Ø23	2-Ø28	4- M20	4- M24	345	146	262	436	96	750 / 1000	320
DN300	78	400	410	2-Ø23	2-Ø28	4- M20	4- M24	395	156	320	488	95	850 / 1150	320

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Knife Gate Valves /EN558 Series 20 / PN10 PN16

Unidirectional Seat Rising Stem

Model: GV-K-RS-UD-H

Features

- Wafer style one piece body, full port design for great flow capacity and minimal pressure drop. Internal cast in wedges and guides allows for tight shut-off, avoids any solids that would prevent valves from closing. Fixing lugs on the bottom of the body for the bottom line installation.
- Completely free and full bore design ensures self-cleaning and low pressure loss.
- Unidirectional flow and rising stem, made from stainless steel with double lead driving thread made by rolling ensures smooth quick operation and low torque.
- Stainless steel sharp knife gate machined and polished on both sides to avoid jamming and seat damage. Bevel knife gate bottom to cut through solids for a tight seal in the closed position.
- Seat, made from elastomer rubber with unique molded rubber gasket in the internal of the valve body with a replaceable SS retainer ring. Other material also available on request like Viton, PTFE, etc.
- Rate of tightness class A according to EN 12266-1.
- Yoke with option for actuator support, made of epoxy coated steel with compact design, which makes it extremely robust even under the most severe conditions.
- Long-life packing with several layers of braided fibre plus EPDM o-ring, with an easy access. The packing gland ensuring a tight seal. The long life braided packing is available in a wide range of materials.
- Interchangeable actuating with main control by handwheel.
- Electrostatically sprayed epoxy coated inside and outside for the coating units, providing heavy-duty corrosion protection with a high quality finished surface.
- Product color: Blue RAL 5017. Option for black color on request.
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may be made from electrolytically applied zinc coating according to EN ISO 2081.

Technical Specifications

- Directive: 2014/68/EU (PED) Fluid: Group 1(b), 2 (Cat. I, mod. A)
- Face to Face: EN 558 / ISO 5752 - 20 base series
- Flanges: EN 1092-2 PN10/16 ANSI B16.5 Class150
- Hydraulic test to EN12266-1
- Application: Pulp production; Water, Waste water Treatment; Sludge Handling and storm tanks; Agriculture; Food and Beverage; Chemical industry; Power plants; Mining
- Nominal pressure designation: PN16 bar for DN50 to DN125 PN10 bar for DN ≥150
- Temperature range seat material max 120°C EPDM; max 200°C Viton
- Temperature range packing material max 240°C PTFE impregn. synth fibre

Optional Extras

- Protective tube for stem against dust while the valve is in the open position
- Position for travel switch
- Position for indicator
- Gearbox
- Electric and pneumo actuator

Material Specifications

Item	Part Name	Material	Grade	Item	Part Name	Material	Grade
1	Body	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561	13	Spacer Sleeve	Brass	CuZn39Pb1 (CW611N) EN 12167
2	Seat	Rubber	EPDM / NBR EN 681-1	14	Lock Nut	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7040 8.8 (DIN 982)
3	Seat Retainer	SS	X5CrNi18-10 (1.4301) EN10088-3	15	Handwheel	CS	GP240GH (1.0619) EN 10213
4	Knife	SS	X5CrNi18-10 (1.4301) EN10088-3	16	Circlip	SS	X90CrMoV18 (1.4112) EN 10088-1 UNI 6610 8.8 (DIN 976)
5	Knife Seal Packing	Rubber	EPDM / NBR EN 681-1	17	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
6	Stud	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 UNI 6610 8.8 (DIN 976)	18	Plain Washer	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 8.8 (DIN 125)
7	Plain Washer	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 8.8 (DIN 125)	19	Bolt	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
8	Nut	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4032 8.8 (DIN 934)	20	Spring Washer	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 8.8 (DIN 127B)
9	Yoke	CS SS*	GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN10088-3	21	Nut	CS Zn plated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4032 8.8 (DIN 934)
10	Stem	SS	X30Cr13 (1.4028) EN 10088-3	22	Packing Gland	DI	EN-GJS-500-7 (5.3200) EN 1563
11	Stem Nut	Brass Bronze*	CuZn39Pb1 (CW611N) EN 12167 CuSn5Zn5Pb5-C (CC491K) EN 1982				
12	Top Flange	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561				

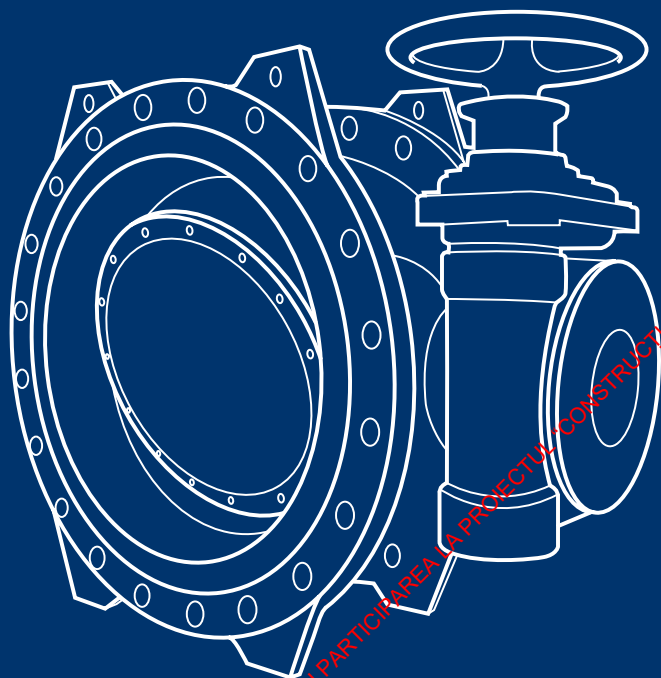
* Optional material upon request.

Dimensions

Size	L	D1		n - Ød		n - M		L1	L2	H1	H2	H3	H (shut/open)	W
		PN10	PN16	PN10	PN16	PN10	PN16							
DN50	43	125	125	2-Ø19	2-Ø19	2- M16	2- M16	145	104	87	170	74	334 / 384	180
DN65	46	145	145	2-Ø19	2-Ø19	2- M16	2- M16	145	104	107	185	74	356 / 421	180
DN80	46	160	160	2-Ø19	2-Ø19	2- M16	2- M16	165	106	117	203	79	400 / 480	200
DN100	52	180	180	2-Ø19	2-Ø19	2- M16	2- M16	180	106	129	260	70.5	428 / 528	200
DN125	56	210	210	2-Ø19	2-Ø19	2- M16	2- M16	208	106	149	243	88	480 / 605	250
DN150	56	240	240	2-Ø23	2-Ø23	2- M20	2- M20	238	124	168	327	88	583 / 733	250
DN200	60	295	295	2-Ø23	2-Ø23	4- M20	4- M20	295	138	240	432	102	775 / 975	280
DN250	68	350	355	2-Ø23	2-Ø28	4- M20	4- M24	345	146	262	431	97	790 / 1040	320
DN300	78	400	410	2-Ø23	2-Ø28	4- M20	4- M24	395	156	320	488	97	900 / 1200	320

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Butterfly Valves

ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU PARTICIPAREA LA PROIECTUL DE CONSTRUCȚIA APEDUCTELOR INTERIOARE ÎN SATELE TOMAI ȘI SĂRATA-RAZES, RAIONUL LEOVA" REPETAT 2025"

Butterfly Valve/EN558 Series 20 / PN10 PN16

Wafer Type

Model: BFV-WF-J

Features

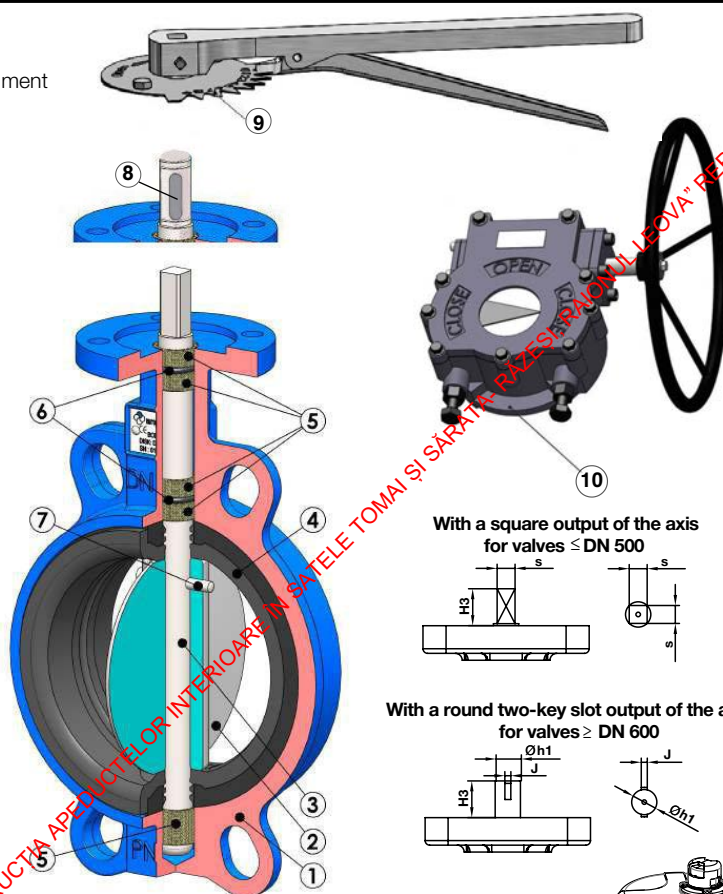
- Wafer or lug type nonflanged body style fit between FF or RF flanges
- PTFE bushing ensure the maximum shaft support and centralized alignment
- 360° polished disc assures positive on-off
- Hard-Backed Cartridge Seat
- One piece shaft, pinned, splined and square connected disc
- Universal ISO 5211 mounting Pad.

Technical Specifications

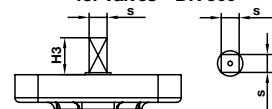
- Design: EN 1074-1 and 2; EN 593
- Face to Face: EN 558 / ISO 5752 - 20 base series
- Flanges: EN 1092-2 PN10/16
- Hydraulic test to EN12266-1
- Operating torque test
- Mounting Pad: ISO5211
- Nominal pressure designation PN10 PN16 bar
- Temperature range 0°C...60°C

Optional Extras:

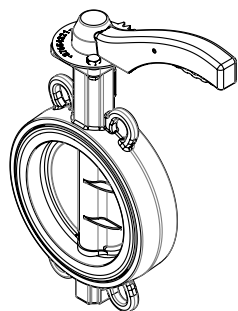
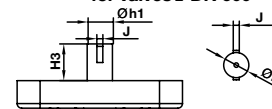
- Lug type upon request
- Steel hand lever for the valves with $DN \leq 250$ mm
Technical data for the hand lever upon request
- Gearbox for the valves with $DN \geq 300$ mm
- Gearbox for the valves with $DN \geq 50$ mm upon request
- Electric actuator
The brand of electric actuator upon request



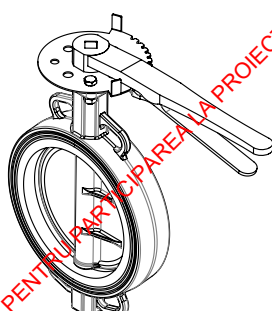
With a square output of the axis
for valves $\leq DN 500$



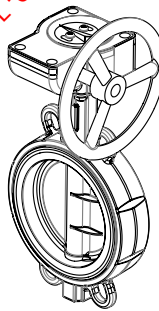
With a round two-key slot output of the axis
for valves $\geq DN 600$



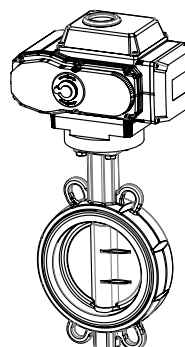
Main performance with aluminium hand lever
for valves with nominal diameters ≤ 250 mm



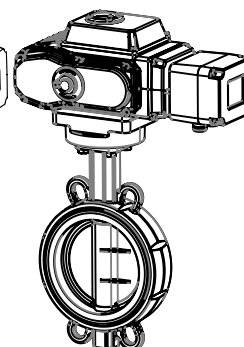
Optional performance with steel hand lever
for valves with nominal diameters ≤ 250 mm



With manual gearbox for valves
with nominal diameters ≥ 300 mm



With pneumatic actuator



With electric actuator

Material Specifications

Item	Part name	Material	Grade
1	Body	GCI	EN-GJL-250 (EN-JL1040) EN 1561
		DI	EN-GJS-400-15 (5.3106) EN 1563
2	Disc	DI	EN-GJS-400-15 (5.3106) EN 1563
		SS	X5CrNi18-10 (1.4301) EN10088-3
		SS	X5CrNiMo17-12-2 (1.4401) EN10088-3
3	Stem	SS	X30Cr13 (1.4028) EN10088-3
4	Seat	Rubber	EPDM EN 681-1
		Rubber	NBR EN 681-1
5	Bushing	Teflon	PTFE EN ISO 13000-1
6	O-Ring	Rubber	EPDM EN 681-1
		Rubber	NBR EN 681-1
7	Pin	CS corrosion resistant	GX5CrNiMo19-11-2 (1.4408) EN 10283
8*	Key	EJ	EN-GJS-400-15 (5.3106) EN 1563
9	Hand Lever with indicator	Alluminium Alloy	ENAC-ALMg5(Si) (ENAC-51400) EN 1706
10	Gearbox	DI	EN-GJS-500- 7 (5.3200) EN 1563

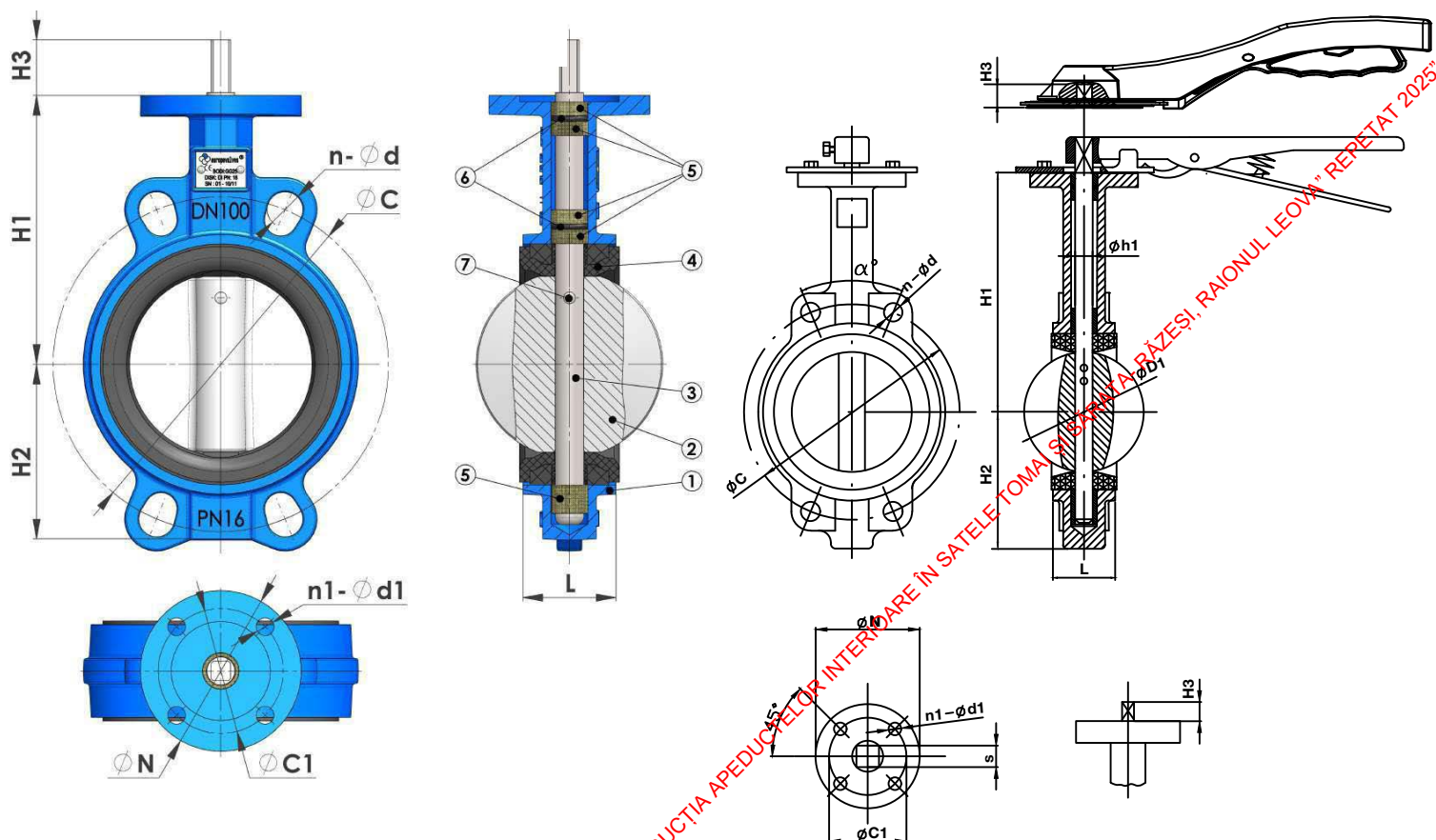
* for valves with $DN \geq 600$

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Butterfly Valve/EN558 Series 20 / PN10 PN16

Wafer Type

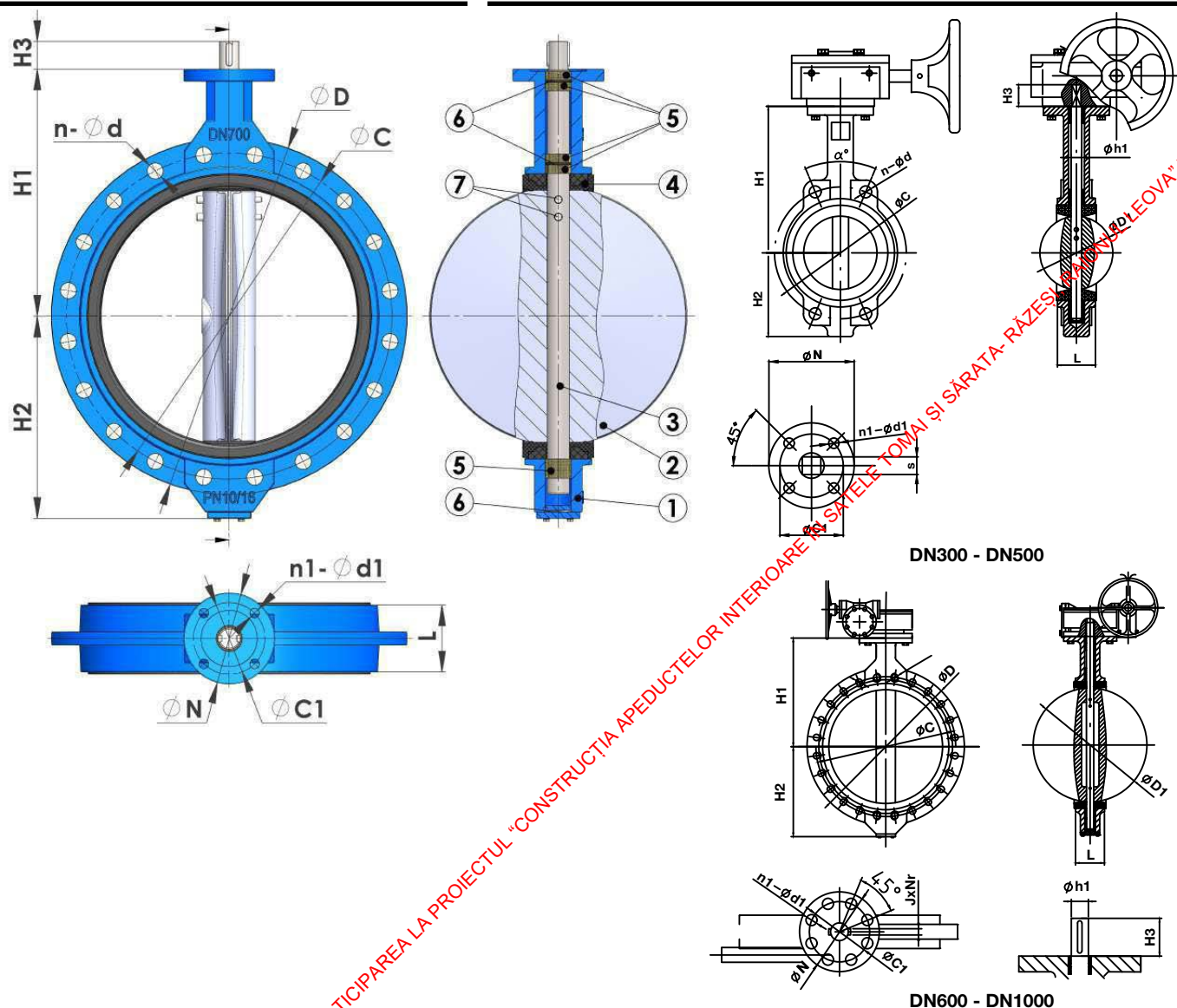
Model: BFV-WF-J



Dimensions - Hand lever operating

Size	L	C		n-Ød		α°		D1	N	C1	n1-Ød1	□s	Flange type ISO5211	h1	H1	H2	H3	Closing torque (Nm)
		PN10	PN16	PN10	PN16	PN10	PN16											
DN50	43	125	125	4-Ø19	4-Ø19	90°	90°	52.9	70	50	4-Ø7	11	F05	12.60	161	80	30	17
DN65	46	145	145	4-Ø19	4-Ø19	90°	90°	64.5	70	50	4-Ø7	11	F05	12.60	175	89	30	25
DN80	46	160	160	4-Ø19	4-Ø19	45°	45°	78.8	90	70	4-Ø10	11	F07	12.60	181	95	30	38
DN100	52	180	180	4-Ø19	4-Ø19	45°	45°	104	90	70	4-Ø10	11	F07	15.77	200	114	30	56
DN125	56	210	210	4-Ø19	4-Ø19	45°	45°	123.3	90	70	4-Ø10	14	F07	18.92	213	127	30	90
DN150	56	240	240	4-Ø23	4-Ø23	45°	45°	155.1	90	70	4-Ø10	14	F07	18.92	226	139	30	120
DN200	60	295	295	4-Ø23	4-Ø23	45°	30°	202.5	125	102	4-Ø12	17	F10	22.10	260	175	40	230
DN250	68	350	355	4-Ø23	4-Ø28	30°	30°	250.5	125	102	4-Ø12	22	F10	28.45	292	203	40	310

Model: BFV-WF-F



Size	L	D		C		n-Ød		α°		D1	N	C1	n1-Ød1	□s	JxNr	Flange type ISO5211	h1	H1	H2	H3	Closing Torque	
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16												PN10	PN16
DN300	78	-	-	400	410	4-Ø23	4-Ø28	30°	30°	301.6	140	102	4-Ø12	22	-	F10	31.60	337	242	40	420	420
DN350	78	-	-	460	470	4-Ø23	4-Ø28	22.5°	22.5°	333.3	140	102	4-Ø12	22	-	F10	31.60	368	267	45	470	470
DN400	102	-	-	515	525	4-Ø28	4-Ø31	22.5°	22.5°	389.6	197	140	4-Ø18	27	-	F14	33.15	400	309	52	987	987
DN450	114	-	-	565	585	4-Ø28	4-Ø31	18°	18°	440.5	197	140	4-Ø18	27	-	F14	37.95	422	328	52	1230	1230
DN500	127	-	-	620	650	4-Ø28	4-Ø34	18°	18°	491.6	197	140	4-Ø18	36	-	F14	41.12	480	361	65	1600	1600
DN600	154	780	840	725	770	20-Ø31	20-Ø37	-	-	592.5	276	165	4-Ø22	-	16X1	F16	50.65	562	459	70	2400	2400
DN700	165	895	910	840	840	24-Ø31	24-Ø37	-	-	695	300	254	8-Ø18	-	18X2	F25	63.35	624	520	100	3000	3528
DN800	190	1015	1025	950	950	24-Ø34	24-Ø41	-	-	794.7	300	254	8-Ø18	-	18X2	F25	63.35	672	591	110	4400	4650
DN900	203	1115	1125	1050	1050	28-Ø34	28-Ø41	-	-	865	300	254	8-Ø18	-	20X2	F25	75.00	720	656	118	6800	7275
DN1000	216	1230	1255	1160	1170	28-Ø37	28-Ø44	-	-	965	300	254	8-Ø18	-	20X2	F25	85.00	800	721	142	7500	8468

Butterfly Valve/EN558 Series 20 / PN10 PN16

U Type

Model: BFV-U-F

Features

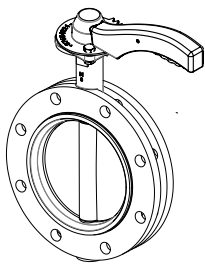
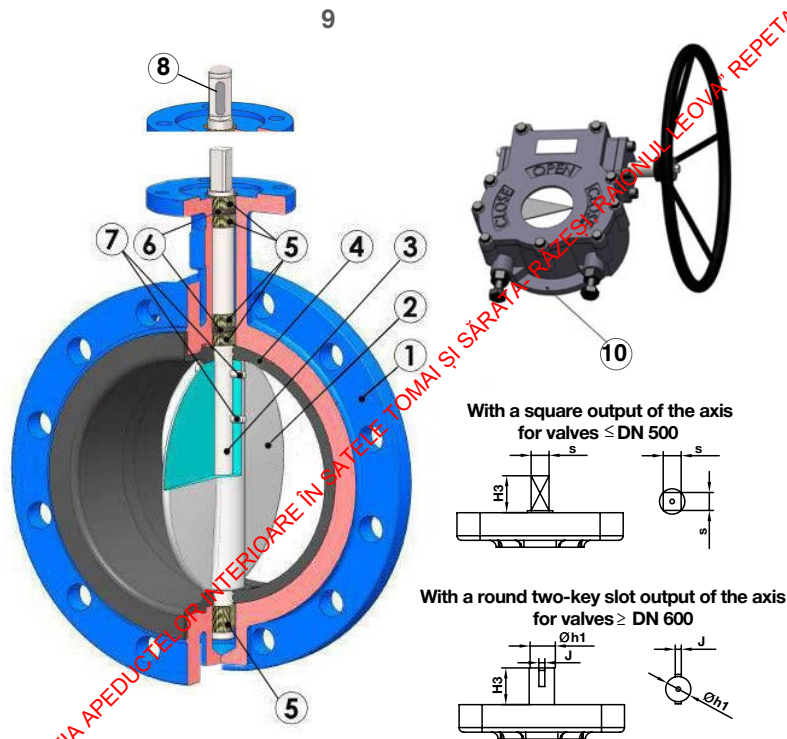
- U type flanged body style fit between FF or RF flanges
- PTFE bushing ensure the maximum shaft support and centralized alignment
- 360° polished disc assures positive on-off
- Hard-Backed Cartridge Seat
- One piece shaft, pinned, splined and square connected disc
- Universal ISO 5211 mounting Pad.

Technical Specifications

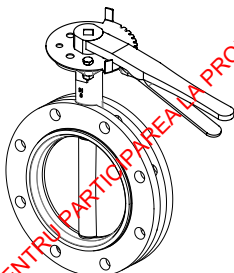
- Design: EN 1074-1 and 2; EN 593
- Face to Face: EN 558 / ISO 5752 - 20 base series
- Flanges: EN 1092-2 PN10/16
- Hydraulic test to EN12266-1
- Operating torque test
- Mounting Pad: ISO5211
- Nominal pressure designation PN10 PN16 bar
- Temperature range 0°C...60°C

Optional Extras:

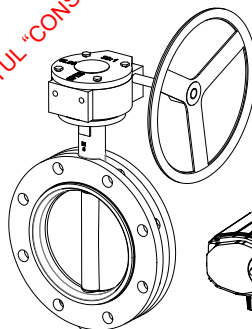
- Steel hand lever for the valves with $DN \leq 250$ mm
Technical data for the hand lever upon request
- Gearbox for the valves with $DN \geq 300$ mm
Gearbox for the valves with $DN \geq 50$ mm upon request
- Electric actuator
The brand of electric actuator upon request



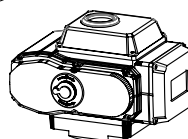
Main performance with aluminium hand lever for valves with nominal diameters ≤ 250 mm



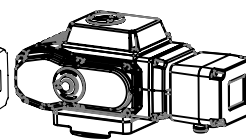
Optional performance with steel hand lever for valves with nominal diameters ≤ 250 mm



With manual gearbox for the entire range of working diameters



With pneumatic actuator



With electric actuator

Material Specifications

Item	Part name	Material	Grade
1	Body	GCI	EN-GJL-250 (EN-JL1040) EN 1561
		DI	EN-GJS-400-15 (5.3106) EN 1563
2	Disc	DI	EN-GJS-400-15 (5.3106) EN 1563
		SS	X5CrNi18-10 (1.4301) EN10088-3
		SS	X5CrNiMo17-12-2 (1.4401) EN10088-3
3	Stem	SS	X30Cr13 (1.4028) EN10088-3
4	Seat	Rubber	EPDM EN 681-1
		Rubber	NBR EN 681-1
5	Bushing	Teflon	PTFE EN ISO 13000-1
6	O-Ring	Rubber	EPDM EN 681-1
		Rubber	NBR EN 681-1
7	Pin	CS corrosion resistant	GX5CrNiMo19-11-2 (1.4408) EN 10283
8*	Key	EJ	EN-GJS-400-15 (5.3106) EN 1563
9	Hand Lever with indicator	Alluminium Alloy	ENAC-AIMg5(Si) (ENAC-51400) EN 1706
10	Gearbox	DI	EN-GJS-500- 7 (5.3200) EN 1563

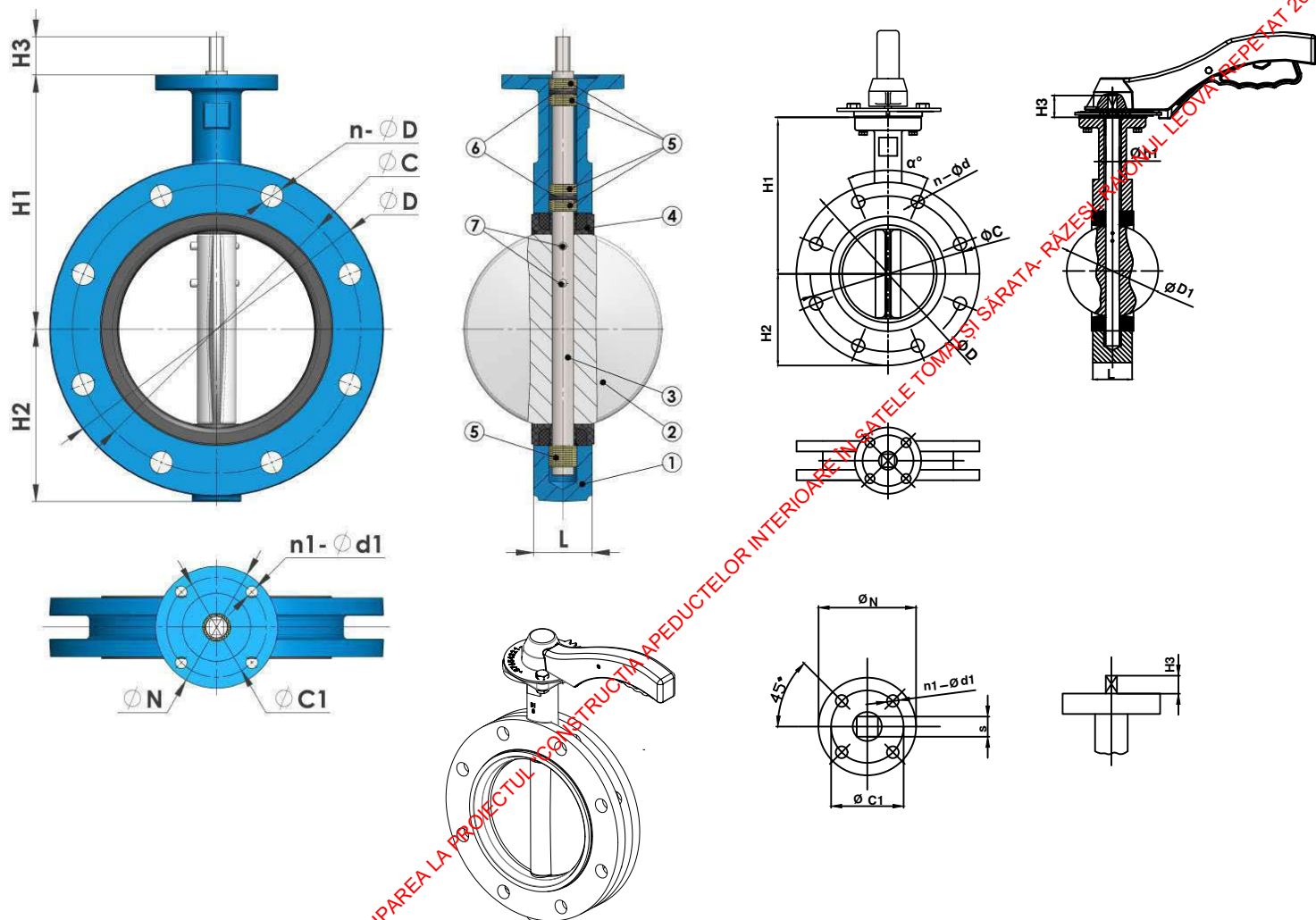
* for valves with $DN \geq 600$

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Butterfly Valve/EN558 Series 20 / PN10 PN16

U Type

Model: BFV-U-F



Dimensions - Hand lever operating

Size	L	D		C		n-Ød		α°		D1	N	C1	n1-Ød1	s	Flange type ISO5211	h1	H1	H2	H3	Closing torque (Nm)
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16											
DN50	43	165	165	125	125	4-Ø19	4-Ø19	90°	90°	52.9	70	50	4-Ø7	11	F05	12.60	161	80	30	17
DN65	46	185	185	145	145	4-Ø19	4-Ø19	90°	90°	64.5	70	50	4-Ø7	11	F05	12.60	175	89	30	25
DN80	46	200	200	160	160	8-Ø19	8-Ø19	45°	45°	78.8	90	70	4-Ø10	11	F07	12.60	181	95	30	38
DN100	52	220	220	180	180	8-Ø19	8-Ø19	45°	45°	104	90	70	4-Ø10	11	F07	15.77	200	114	30	56
DN125	56	250	250	210	210	8-Ø19	8-Ø19	45°	45°	123.3	90	70	4-Ø10	14	F07	18.92	213	127	30	90
DN150	56	285	285	240	240	8-Ø23	8-Ø23	45°	45°	155.1	90	70	4-Ø10	14	F07	18.92	226	139	30	120
DN200	60	340	340	295	295	8-Ø23	12-Ø23	45°	30°	202.5	125	102	4-Ø12	17	F10	22.10	260	175	40	230
DN250	68	395	405	350	355	12-Ø23	12-Ø28	30°	30°	250.5	125	102	4-Ø12	22	F10	28.45	292	203	40	310
DN300	78	445	460	400	410	12-Ø23	12-Ø28	30°	30°	301.6	140	102	4-Ø12	22	F10	31.60	315	242	40	420

Butterfly Valve/EN558 Series 13 / PN10 PN16

Concentric, Double Flanged

Model: BFV-DFC-J

Features

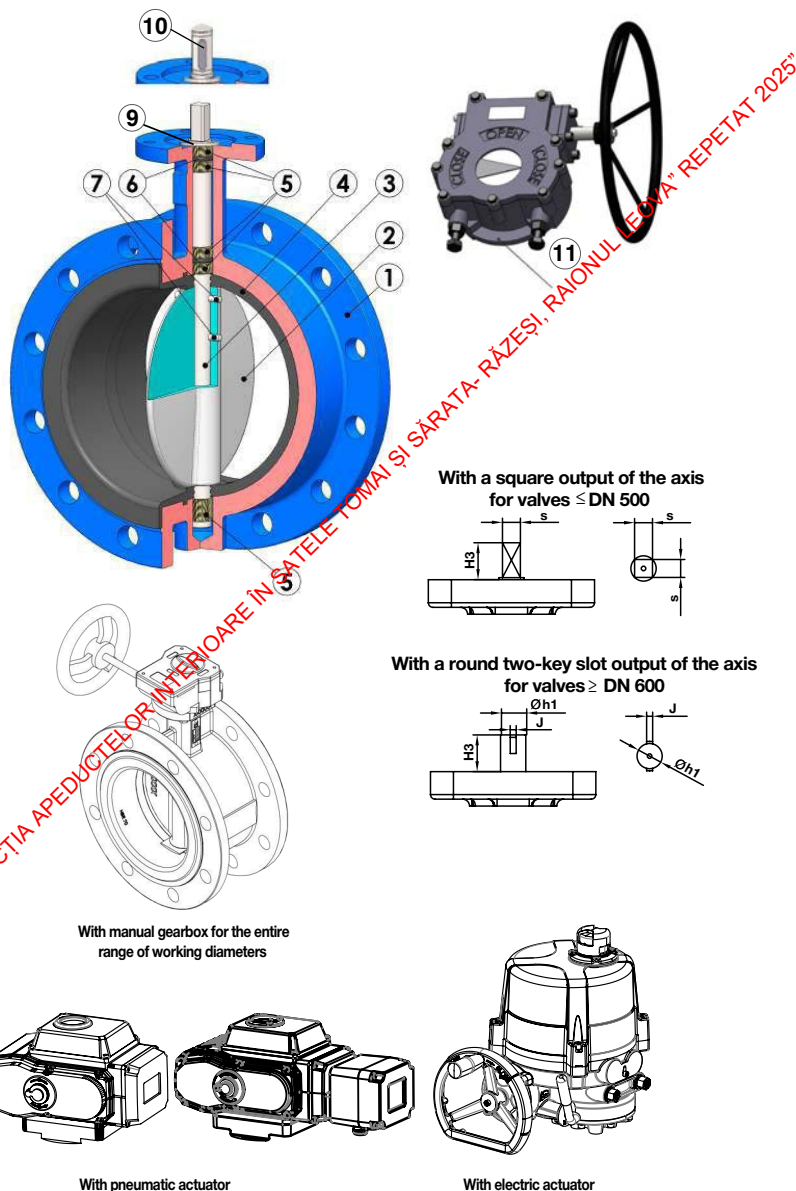
- Concentric design
- A single piece body with a double flanged design, well-suited to provide greater resistance for dead-end service. The flanged design allow fitting between FF or RF flanges. High strength of the body and the large safety factor ensure the body can resist high pipe pressure
- An elastic, vulcanized seat that takes the shape of both the inside and partially outer side of the body of the valve to form a perfect seal with relevant pipe flanges
- Entirely vulcanized rubber liner for minimum operating loads with good performance reducing wear and tear on the various components
- A single piece anti-blowout shaft with high strength and developed with direct mount universal EN ISO 5211 pad for actuation assemblies. The "Dry Shaft" feature ensures fluid is fully isolated from both the shaft and the butterfly valve body
- Supporting the shaft two closed-ended maintenance-free bearings,
- A polished, streamlined disc with a much greater Cv resulting in low-pressure drops and reduced energy costs while maintaining a bi-directional bubble tight seal in the closed position. Low operational torque reduces the costs of gear, pneumatic and electric actuation with low friction contact extending the life of the self-cleaning seal.
- Replaceable bi-directional gaskets to provide a flexibility of maintenance and reducing downtime.
- Full tight shut off in both flow directions, zero leakage
- Epoxy coated Inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 , DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Design: EN 1074-1 and 2; EN 593
- Face to Face: EN 558 / ISO 5752 - 13 base series
- Flanges according to EN1092-2 PN10/16
- Hydraulic test to EN12266-1
- Operating torque test
- Tightness to EN 12 266-1, leak-rate A
- Nominal pressure designation PN10 PN16 bar
- Temperature range 0°C...60°C

Optional Extras:

- Electric actuator
The brand of electric actuator upon request



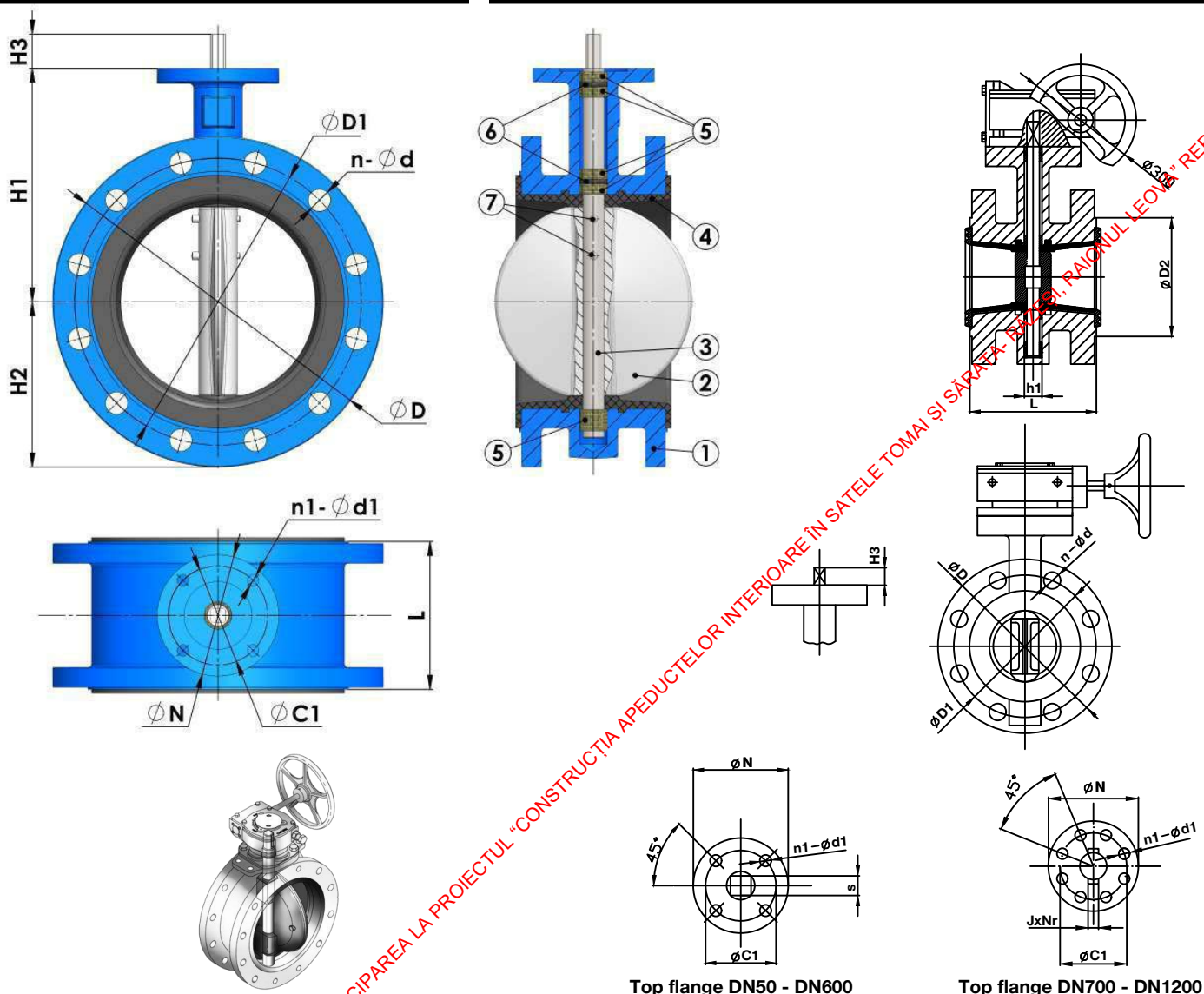
Material Specifications

Item	Part name	Material	Grade
1	Body	GCI	EN-GJL-250 (EN-JL1040) EN 1561
		DI	EN-GJS-400-15 (5.3106) EN 1563
2	Disc	DI	EN-GJS-400-15 (5.3106) EN 1563
		SS	X5CrNi18-10 (1.4301) EN10088-3
3	Seat	SS	X5CrNiMo17-12-2 (1.4401) EN10088-3
		SS	X12Cr13 (1.4006) EN10088-3
		SS	X30Cr13 (1.4028) EN10088-3
		SS	X12CrS13 (1.4005) EN10088-3
4	Seat	Rubber	EPDM EN 681-1
		Rubber	NBR EN 681-1
5	Bushing	Teflon + Cu braid	PTFE EN ISO 13000-1+ Cu
6	O-Ring	Rubber	NBR EN 681-1
7	O-Ring	Rubber	EPDM EN 681-1
		Rubber	NBR EN 681-1
8	Pin	CS corrosion resistant	GX5CrNiMo19-11-2 (1.4408) EN 10283
9	O-Ring Dustguard	Non-alloy quality steel	C45 (1.0503) EN 10277
10*	Key	Non-alloy quality steel	C45 (1.0503) EN 10277
11	Gearbox	DI	EN-GJS-500- 7 (5.3200) EN 1563

* for valves with DN ≥ 700

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Model: BFV-DFC-F



Top flange DN50 - DN600

Top flange DN700 - DN1200

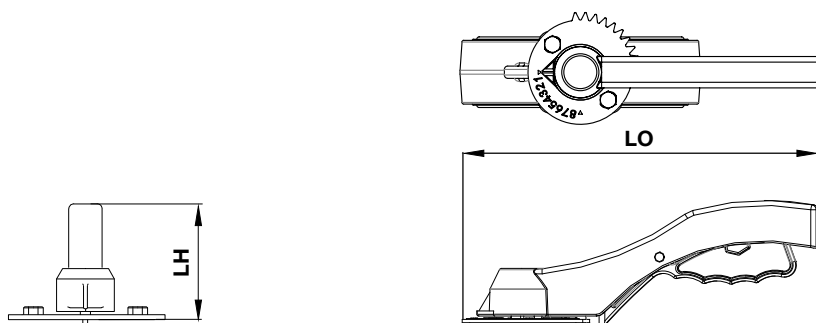
Size	L	D		D1		D2		n-ød		N	C1	n1-ød1	□s	JxNr	Flange type ISO5211	h1	H1	H2	H3	Closing torque (Nm)
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16											
DN50	108	165	165	125	125	99	99	4-Ø19	4-Ø19	65	50	4-Ø8	11	-	F05	17.45	129	81	30	15
DN65	112	185	185	145	145	118	118	4-Ø19	4-Ø19	65	50	4-Ø8	11	-	F05	17.45	139	91	30	17
DN80	114	200	200	160	160	132	132	8-Ø19	8-Ø19	65	50	4-Ø8	11	-	F05	17.45	148.5	101.5	30	23
DN100	127	220	220	180	180	156	156	8-Ø19	8-Ø19	90	70	4-Ø10	11	-	F07	20.62	155.5	109.5	30	40
DN125	140	250	250	210	210	184	184	8-Ø19	8-Ø19	90	70	4-Ø10	14	-	F07	23.80	176.5	128.5	32	62
DN150	140	285	285	240	240	211	211	8-Ø23	8-Ø23	90	70	4-Ø10	14	-	F07	23.80	199.5	140.5	32	102
DN200	152	340	340	295	295	266	266	8-Ø23	12-Ø23	125	102	4-Ø12	17	-	F10	28.58	225	166	37	192
DN250	165	395	405	350	355	319	319	12-Ø23	12-Ø28	125	102	4-Ø12	22	-	F10	34.93	274	206	37	323
DN300	178	445	460	400	410	370	370	12-Ø23	12-Ø28	140	102	4-Ø12	22	-	F10	38.10	310.5	227.5	40	490
DN350	190	505	520	460	470	429	429	16-Ø23	16-Ø28	140	102	4-Ø12	22	-	F10	38.10	330	254	40	625
DN400	216	565	580	515	525	480	480	16-Ø28	16-Ø31	197	140	4-Ø18	27	-	F14	39.70	360	278	70	846
DN450	222	615	640	565	585	530	548	20-Ø28	20-Ø31	197	140	4-Ø18	27	-	F14	44.45	395	315	70	1131
DN500	229	670	715	620	650	562	609	20-Ø28	20-Ø34	197	140	4-Ø18	36	-	F14	47.65	450	348	80	1431
DN600	267	780	840	725	770	682	720	20-Ø31	20-Ø37	276	165	4-Ø22	36	-	F16	57.17	520	410	80	2301
DN700	292	895	910	840	840	794	794	24-Ø31	24-Ø37	300	254	8-Ø18	-	18X2	F25	69.90	660	480	100	4253
DN800	318	1015	1025	950	950	901	901	24-Ø34	24-Ø41	300	254	8-Ø18	-	18X2	F25	69.90	720	580	100	5600
DN900	330	1115	1125	1050	1050	1001	1001	28-Ø34	28-Ø41	300	254	8-Ø18	-	20X2	F25	84.90	785	625	130	6834
DN1000	410	1230	1255	1160	1170	1112	1112	28-Ø37	28-Ø44	300	254	8-Ø18	-	20X2	F25	95.00	900	660	130	11603
DN1200	470	1455	1485	1380	1390	1328	1328	32-Ø41	32-Ø50	350	298	8-Ø22	-	28X2	F25	115.00	917	780	150	16321
DN1400	530	1675	1685	1590	1590	1530	1530	36-Ø44	36-Ø50	415	356	8-Ø33	-	32X2	F35	115.00	1410	883	200	20500

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Hand lever and gearbox for Butterfly Valve Wafer, U Type and Butterfly Valve Concentric, Double Flanged

Model: BFV-HL-F, BFV-GB-F

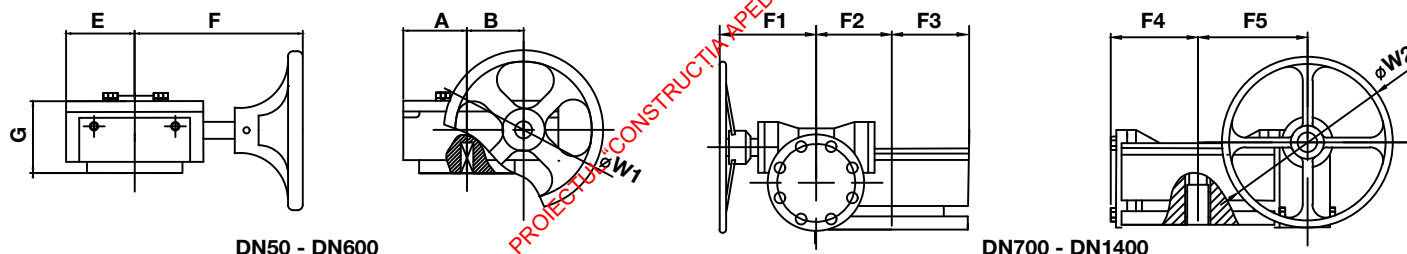
Aluminium Hand Lever for Butterfly Valve Wafer and U type



Dimensions

Size	LO	LH
DN50	190	60
DN65	190	85
DN80	240	80
DN100	250	80
DN125	250	80
DN150	250	80
DN200	370	75
DN250	370	70

Gearbox for Butterfly Valve Wafer, U Type and Butterfly Valve Concentric, Double Flanged



Dimensions

Size	A	B	E	F	G	ØW1	F1	F2	F3	F4	F5	ØW2	Reduction Ratio	Input Torque (N.m)	Open and Close cycles
DN50	52	45	52	153	75	150	-	-	-	-	-	-	24:1	18	6
DN65	52	45	52	153	75	150	-	-	-	-	-	-	24:1	18	6
DN80	52	45	52	153	75	150	-	-	-	-	-	-	24:1	18	6
DN100	52	45	52	153	75	150	-	-	-	-	-	-	24:1	18	6
DN125	52	45	52	153	75	150	-	-	-	-	-	-	24:1	18	6
DN150	52	45	52	153	75	150	-	-	-	-	-	-	24:1	18	6
DN200	75	63	75	250	86	300	-	-	-	-	-	-	30:1	58	7.5
DN250	75	63	75	250	86	300	-	-	-	-	-	-	30:1	58	7.5
DN300	81	80	81	227	83	300	-	-	-	-	-	-	50:1	60	12.5
DN350	81	80	81	227	83	300	-	-	-	-	-	-	50:1	60	12.5
DN400	121	179	115	278	126	300	-	-	-	-	-	-	70:1	78	17.5
DN450	142	198	144	306	146	300	-	-	-	-	-	-	70:1	78	17.5
DN500	142	198	144	306	146	300	-	-	-	-	-	-	80:1	78	20
DN600	142	198	144	306	146	300	174	130	144	142	198	300	640:1	52	160
DN700	183	244	189	327	157	300	165	162	189	183	244	300	704:1	95	176
DN750	183	244	189	327	157	300	165	162	189	183	244	300	704:1	95	176
DN800	183	244	189	327	157	300	165	162	189	183	244	300	704:1	95	176
DN900	215	270	215	411	235	300	215	196	220	215	270	300	704:1	178	176
DN1000	215	270	215	411	235	300	215	196	220	215	270	300	704:1	178	176
DN1200	215	270	215	411	235	300	215	265	214	310	458	300	800:1	260	200
DN1400	215	270	215	411	235	300	215	265	214	310	458	300	800:1	260	200

Butterfly Valve/EN558 Series 14 / PN10 PN16

Double Eccentric, Double Flanged, Bidirectional

Model: BFV-DFDE-I

Features

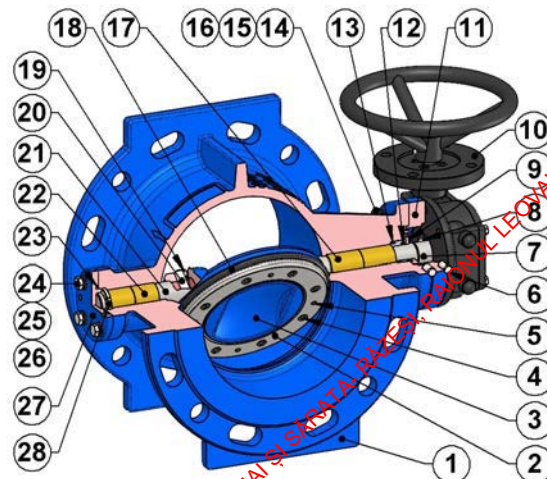
- Double Eccentric design. The disc is positioned in the body with two eccentricity. First eccentricity moves the disc sealing axis away from the disc/shaft rotating axis. As a result, body sealing surface and disc sealing gasket matches perfectly, providing bidirectional 100 percentage drip tight sealing. Second eccentricity moves the disc axis away from the body axis. Therefore, even with a small degree of rotation, sealing gasket moves away from the body surface. As a result, during valve opening/closing ; friction is very low, preventing deformation of the gasket and enabling low operating torque values.
- Closed end disc design and shaft sealing system provides corrosion-free operation.
- High Kv and low head loss thanks to computational fluid dynamics perfected disc design
- Polished stainless steel weld overlay body seat matched with the disc
- Imbus Retaining Ring Fasteners totally sunk on the Retaining Ring, out of the way of the water flow.
- Guiding disc shaft, supported on two closed-ended bearings
- Epoxy coated Inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 , DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

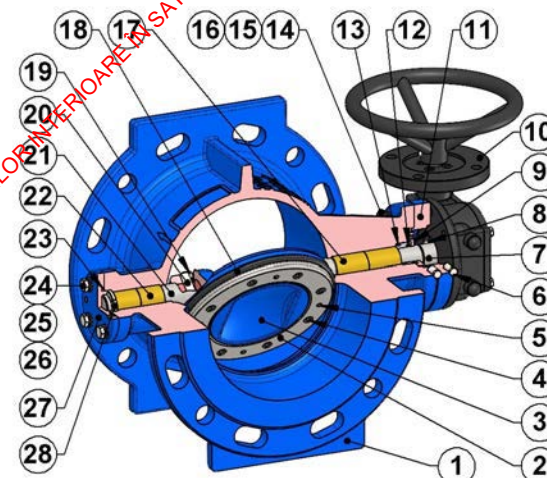
- Design: EN 1074-1 and 2; EN 593
- Face to Face: EN 558 / ISO 5752 - 14 base series
- Flanges according to EN1092-2 PN10/16
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Industrial water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16 bar
- Temperature range 0°C...60°C

Optional Extras:

- Electric actuator upon request. The brand of the electric actuator upon request
- Disc locking mechanism upon request, allowing gearbox replacement under pressure.
- A, B, C and D Configurations upon request for different gearbox positions and disc opening directions.



DN 150-200



DN 250-1800

Material Specifications

Item	Part name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Retaining Ring	SS	X5CrNi18-10 (1.4301) EN 10088-3
3	Disc	DI	EN-GJS-500-7 (5.3200) EN 1563
4,5	Hex Socket Cap Screw	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4762 8.8 (DIN 912 A2/A4)
6,20	Spring Pin	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 8752 (DIN 1481 A2/A4)
7,21	Stem Upper and Bottom	SS	X20Cr13 (1.4021) EN 10088-3
		SS*	X5CrNi18-10 (1.4301) EN 10088-3
		SS*	X5CrNiMo17-12-2 (1.4401) EN 10088-3
		SS*	X17CrNi162 (1.4057) EN 10088-3
8,12,13,23	O-Rings	Duplex SS*	X2CrNi022-5-3 (1.4462) EN 10088-3
		Rubber	EPDM / NBR* EN 681-1
9	Dustguard Ring	Brass	CuZn38Pb1 (CW607N) EN 12164
10	Gearbox With Handwheel	DI	EN-GJS-500-7 (5.3200) EN 1563
11	Top Flange With Actuator	DI	EN-GJS-500-7 (5.3200) EN 1563
14,24	Bolts	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
15,25	Nuts	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
16,26	Washers	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
17,22	Bearing	Special Composite SF-1S:	
		Bronze +	CuSn5Zn5Pb5-C (CC491K) EN 1982
		SS +	X5CrNi18-10 (1.4301) / X5CrNi017-12-2 (1.4401) EN 10088-3
		Teflon	PTFE EN ISO 13000-1
18	Sealing Ring	Teflon	PTFE EN ISO 13000-1
19	Seat	Rubber	EPDM / NBR* EN 681-1
27	Cover Bottom Stem	DI	EN-GJS-500-7 (5.3200) EN 1563
28	Spring Lock Washer with Tang Ends	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7090 (DIN 127 A A2/A4)

* Optional material upon request.

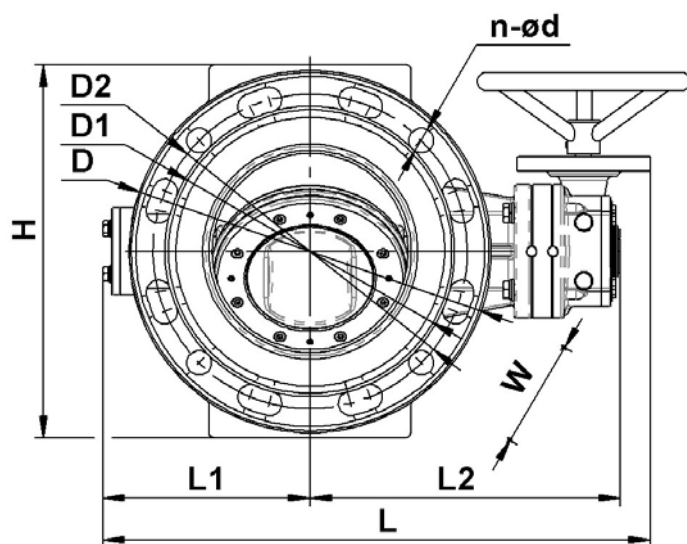
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Butterfly Valve/EN558 Series 14 / PN10 PN16

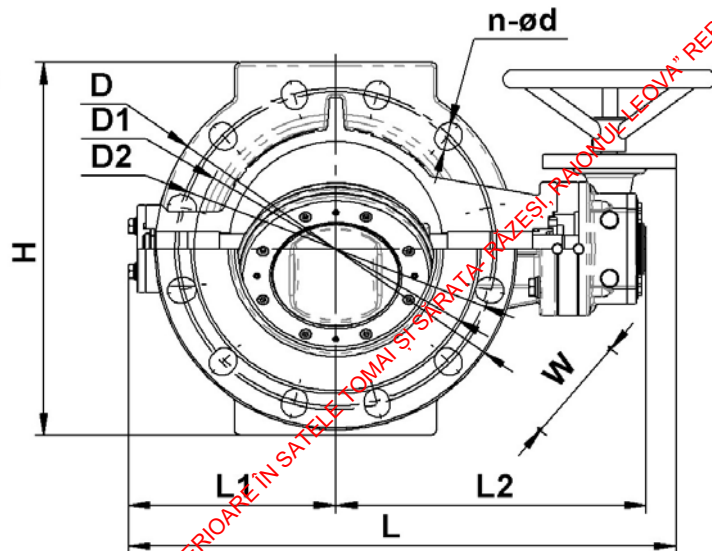
Double Eccentric, Double Flanged, Bidirectional

Model: BFV-DFDE-I

Dimensions



DN 150-200



DN 250-1800

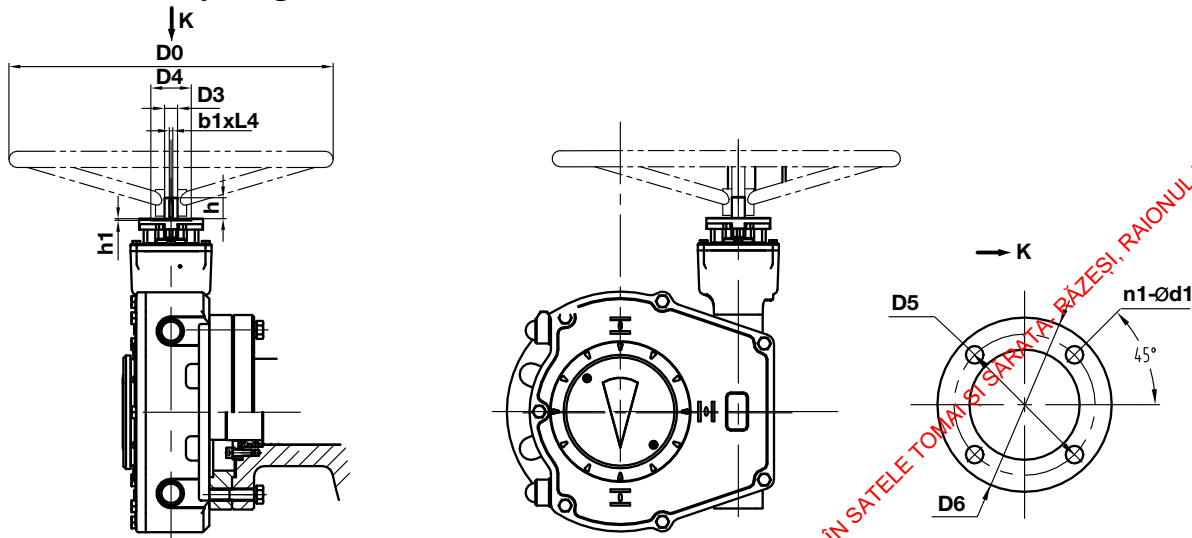
Size	L	D		D1		D2		b		n-ød		W	L1	L2	L3	Torque (Nm)
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16					
DN150	210	285	285	240	240	211	211	19	19	8-Ø23	8-Ø23	504	420	165	216	250
DN200	230	340	340	295	295	266	266	20	20	8-Ø23	12-Ø23	554	468	193	245	250
DN250	250	395	405	350	355	319	319	22	22	12-Ø23	12-Ø28	656	624	260	322	580
DN300	270	445	460	400	410	370	370	24.5	24.5	12-Ø23	12-Ø28	713	695	258	388	890
DN350	290	505	520	460	470	429	429	24.5	26.5	16-Ø23	16-Ø28	823	790	292	446	1300
DN400	310	565	580	515	525	480	480	24.5	28	16-Ø28	16-Ø31	877	910	331	522	1800
DN450	330	615	640	565	585	530	548	25.5	30	20-Ø28	20-Ø31	945	953	365	535	2300
DN500	350	670	715	620	650	562	609	26.5	31.5	20-Ø28	20-Ø34	1010	1028	405	566	2900
DN600	390	780	840	725	770	682	720	30	36	20-Ø31	20-Ø37	1153	1195	468	662	4900
DN700	430	895	910	840	840	794	794	32.5	39.5	24-Ø31	24-Ø37	1334	1212	520	627	6900
DN800	470	1015	1025	950	950	901	901	35	43	24-Ø34	24-Ø41	1469	1338	583	680	9700
DN900	510	1115	1125	1050	1050	1001	1001	37.5	46.5	28-Ø34	28-Ø41	1590	1435	635	725	12200
DN1000	550	1230	1255	1160	1170	1112	1112	40	50	28-Ø37	28-Ø44	1754	1620	695	826	16200
DN1200	630	1455	1485	1380	1390	1328	1328	45	57	32-Ø41	32-Ø50	1967	1910	820	972	24500
DN1400	710	1675	1685	1590	1590	1530	1530	46	60	36-Ø44	36-Ø50	2251	2140	928	1140	35000
DN1600	790	1915	1930	1820	1820	1750	1750	49	65	40-Ø50	40-Ø57	2522	2410	1050	1270	51000
DN1800	870	2115	2130	2020	2020	1950	1950	52	70	44-Ø50	44-Ø57	3108	2680	1175	1410	75000

Butterfly Valve/EN558 Series 14 / PN10 PN16

Double Eccentric, Double Flanged, Bidirectional

Model: BFV-DFDE-I

Dimensions and torques gearbox



Size	Model	ISO5211 type flange	D0 (mm)	D3 (mm)	D4 (mm)	D5 (mm)	D6 (mm)	h (mm)	b1 (mm)	n1-Ød1 (Nr-mm)	b1xL4 (mm)	Input Torque (Nm)	Output Torque (Nm)	Turnovers
DN150	AC-00	F10	200	20	70	102	125	30	4	4 - Ø12	6x25	23	250	10
DN200	AC-00	F10	200	20	70	102	125	30	4	4 - Ø12	6x25	23	250	10
DN250	AC-01	F10	200	20	70	102	125	30	4	4 - Ø12	6x25	58	580	10
DN300	AC-01	F10	300	20	70	102	125	30	4	4 - Ø12	6x25	89	890	10
DN350	AC-02	F10	300	20	70	102	125	30	4	4 - Ø12	6x25	88	1300	10
DN400	ACSS-02J	F10	300	20	70	102	125	30	4	4 - Ø12	6x25	63	1800	22
DN450	ACSS-03	F10	400	20	70	102	125	30	4	4 - Ø12	6x25	50	2300	38
DN500	ACSS-03	F10	400	20	70	102	125	30	4	4 - Ø12	6x25	63	2900	38
DN600	ACSS-03J	F10	500	20	70	102	125	30	4	4 - Ø12	6x25	80	4900	56
DN700	ACSS-04J	F10	600	25	70	102	125	35	4	4 - Ø12	8x30	110	6900	46
DN800	ACSS-05J	F10	600	25	70	102	125	35	4	4 - Ø12	8x30	120	9700	64
DN900	ACSS-06A	F10	600	25	70	102	125	35	4	4 - Ø12	8x30	144	12200	64
DN1000	ACSS-06B	F10	600	25	70	102	125	35	4	4 - Ø12	8x30	135	16200	96
DN1200	ACSS-07	F10	700	25	70	102	125	35	4	4 - Ø12	8x30	82	24500	256
DN1400	ACSS-07B	F10	700	25	70	102	125	35	4	4 - Ø12	8x30	106	35000	251
DN1600	ACSS-08	F10	700	25	70	102	125	35	4	4 - Ø12	8x30	110	51000	424
DN1800	ACSS-08B	F10	700	25	70	102	125	35	4	4 - Ø12	8x30	148	75000	416

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Butterfly Valve/EN558 Series 14 / PN10 PN16 PN25 PN40

Double Eccentric, Double Flanged



Model: BFV-DFDE-D

Features

- Double Eccentric design. The disc is positioned in the body with two eccentricity. First eccentricity moves the disc sealing axis away from the disc/shaft rotating axis. As a result, body sealing surface and disc sealing gasket matches perfectly, providing drip tight sealing. Second eccentricity moves the disc axis away from the body axis. Therefore, even with a small degree of rotation, sealing gasket moves away from the body surface. As a result, during valve opening/closing, friction is very low, preventing deformation of the gasket and enabling low operating torque values.
- Closed end disc design : shaft sealing system provides corrosion-free operation
- High Kv and low head loss thanks to computational fluid dynamics perfected disc design
- Polished stainless steel weld overlay body seat matched with the disc
- Imbus Retaining Ring Fasteners totally sunk on the Retaining Ring, out of the way of the water flow.
- Guiding disc shaft, supported on two closed-ended bearings
- For DI valve- Epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 , DIN 3476 DN100-1800 -- Electrostatic Fusion Bonded Powder Epoxy Blue DN2000-2600 -- Two Pack Liquid Epoxy Blue
- Thermoset and thermoplastic coatings are available.
- Product color: Blue RAL 5005

Technical Specifications

- Design: EN 1074-1 and 2; EN 593
- Face to Face: EN 558 / ISO 5752 - 14 base series
- Flanges from DI according to EN1092-2 PN10/16/25/40
- Flanges from CS,SS, according to EN1092-1 PN10/16/25/40
- Flanges from NAB, according to EN1092-3 PN10/16/25/40
- Hydraulic test to EN12266-1
- Operating torque test
- Media: Industrial water and other non-aggressive fluids
- Nominal pressure designation PN10 PN16 PN25 PN40 bar
- Temperature range 0°C...60°C

Optional Extras:

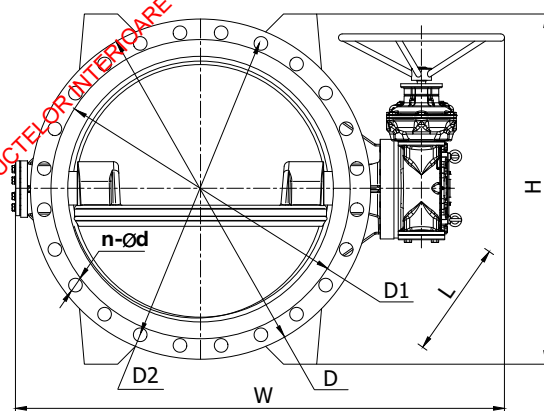
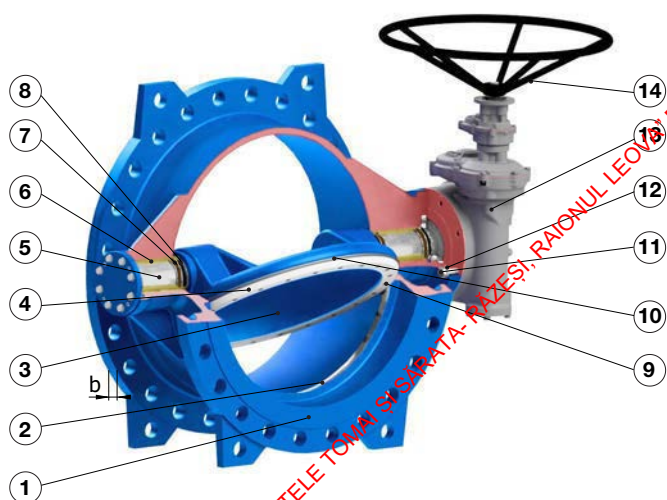
- Electric actuator upon request. The brand of the electric actuator upon request
- Disc locking mechanism upon request, allowing gearbox replacement under pressure.
- A, B, C and D Configurations upon request for different gearbox positions and disc opening directions.

Material Specifications

Item	Part name	Material	Grade
1	Body	DI	EN-GJS-400-15 (5.3106) EN 1563
		CS*	GP240GH (1.0619) EN 10213
		SS*	X5CrNi18-10 (1.4301) EN 10088-3
		NAB*	CuAl10Ni5Fe4 (CW307G) EN 12165
2	Seat	SS overlay	X5CrNi18-10 (1.4301) EN 10088-3
3	Disc	DI	EN-GJS-400-15 (5.3106) EN 1563
		CS*	GP240GH (1.0619) EN 10213
		SS*	X5CrNi18-10 (1.4301) EN 10088-3
		NAB*	CuAl10Ni5Fe4 (CW307G) EN 12165
4	Retaining Ring	SS	X5CrNi18-10 (1.4301) EN 10088-3
		SS*	X5CrNiMo17-12-2 (1.4401) EN 10088-3
		CS*	S235JR (1.0038) EN 10025-2
5	Shaft	SS	X20Cr13 (1.4021) EN 10088-3
		Monel 400®*	NiCu30Fe (2.4360) DIN 17743
		Duplex SS*	X2CrNiMo22-5-3 (1.4462) EN 10088-3
6	Bearing	Bronze	CuSn5Zn5Pb5-C (CC491K) EN 1982
		Brass*	CuZn36Pb2As (CW602N) EN 12164
		SS*	X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
		NAB*	CuAl10Ni5Fe4 (CW307G) EN 12165
7	Seal Bushing	Teflon	PTFE EN ISO 13000-1
8	O-ring	Rubber	EPDM / NBR* EN 681-1
9	Screws	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
10	Sealing Ring	Rubber	EPDM / NBR* EN 681-1
11	Bolts	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
12	Washers	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
13	Gearbox	DI	EN-GJS-400-15 (5.3106) EN 1563
		CS*	GP240GH (1.0619) EN 10213
		SS*	X5CrNi18-10 (1.4301) EN 10088-3
		NAB*	CuAl10Ni5Fe4 (CW307G) EN 12165
14	Handwheel	CS	GP240GH (1.0619) EN 10213

* Optional material upon request.

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Butterfly Valve/EN558 Series 14 / PN10 PN16 PN25 PN40

Double Eccentric, Double Flanged

Model: BFV-DFDE-D

Dimensions

Size	L	D				D1				D2				b				n-ød			
		PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40
DN100	190	220	220	235	235	180	180	190	190	156	156	156	156	19	19	19	19	8-Ø19	8-Ø19	8-Ø23	8-Ø23
DN125	200	250	250	270	270	210	210	220	220	184	184	184	184	19	19	19	23.5	8-Ø19	8-Ø19	8-Ø28	8-Ø28
DN150	210	285	285	300	300	240	240	250	250	211	211	211	211	19	19	20	26	8-Ø23	8-Ø23	8-Ø28	8-Ø28
DN200	230	340	340	360	375	295	295	310	320	266	266	274	284	20	20	22	30	8-Ø23	12-Ø23	12-Ø28	12-Ø31
DN250	250	395	405	425	450	350	355	370	385	319	319	330	345	22	22	24.5	34.5	12-Ø23	12-Ø28	12-Ø31	12-Ø34
DN300	270	445	460	485	515	400	410	430	450	370	370	389	409	24.5	24.5	27.5	39.5	12-Ø23	12-Ø28	16-Ø31	16-Ø34
DN350	290	505	520	555	580	460	470	490	510	429	429	448	465	24.5	26.5	28	44	16-Ø23	16-Ø28	16-Ø34	16-Ø37
DN400	310	565	580	620	660	515	525	550	585	480	480	503	535	24.5	28	30	48	16-Ø28	16-Ø31	16-Ø37	16-Ø41
DN450	330	615	640	670	685	565	585	600	610	530	548	548	560	25.5	30	34.5	49	20-Ø28	20-Ø31	20-Ø37	20-Ø41
DN500	350	670	715	730	755	620	650	660	670	562	609	609	615	26.5	31.5	36.5	52	20-Ø28	20-Ø34	20-Ø37	20-Ø44
DN600	390	780	840	845	890	725	770	770	795	682	720	720	735	30	36	42	58	20-Ø31	20-Ø37	20-Ø41	20-Ø50
DN700	430	895	910	960	995	840	840	875	900	794	794	820	840	32.5	39.5	46.5	64	24-Ø31	24-Ø37	24-Ø44	24-Ø48
DN800	470	1015	1025	1085	1140	950	950	990	1030	901	901	928	960	35	43	51	70	24-Ø34	24-Ø41	24-Ø50	24-Ø56
DN900	510	1115	1125	1185	1240	1050	1050	1090	1140	1001	1001	1028	1080	37.5	46.5	55.5	77	28-Ø34	28-Ø41	28-Ø50	28-Ø57
DN1000	550	1230	1255	1320	1380	1160	1170	1210	1270	1112	1112	1140	1200	40	50	60	80	28-Ø37	28-Ø44	28-Ø57	28-Ø62
DN1100	590	1340	1355	1420	1480	1270	1270	1310	1370	1218	1218	1240	1300	42.5	53.5	64.5	85	32-Ø37	32-Ø44	32-Ø57	32-Ø62
DN1200	630	1455	1485	1530	1590	1380	1390	1420	1480	1328	1328	1350	1410	45	57	69	90	32-Ø41	32-Ø50	32-Ø57	32-Ø62
DN1300	670	1570	1600	1650	1710	1490	1490	1520	1580	1438	1438	1460	1520	47.5	59	71	95	36-Ø44	36-Ø50	36-Ø62	36-Ø67
DN1400	710	1675	1685	1755	1810	1590	1590	1640	1700	1530	1530	1560	1620	49	60	72	100	40-Ø50	40-Ø57	40-Ø62	40-Ø67
DN1500	750	1785	1820	1865	1920	1700	1710	1750	1810	1640	1640	1670	1730	49	62	74	105	40-Ø50	40-Ø57	40-Ø62	40-Ø67
DN1600	790	1915	1930	1975	2030	1820	1820	1860	1920	1750	1750	1780	1840	52	65	78	110	44-Ø50	44-Ø57	44-Ø62	44-Ø67
DN1800	870	2115	2130	2195	2250	2020	2020	2070	2130	1950	1950	1980	2040	55	70	83	115	48-Ø50	48-Ø57	48-Ø62	48-Ø67
DN2000	950	2325	2345	2425	2480	2230	2230	2300	2360	2150	2150	2180	2240	55	75	90	120	48-Ø50	48-Ø57	48-Ø62	48-Ø67
DN2200	1030	2535	2555	2635	2690	2440	2440	2510	2570	2360	2360	2390	2450	58	78	93	125	52-Ø50	52-Ø57	52-Ø62	52-Ø67
DN2400	1110	2745	2765	2845	2900	2650	2650	2720	2780	2570	2570	2600	2660	60	80	95	130	56-Ø50	56-Ø57	56-Ø62	56-Ø67
DN2600	1200	2955	2975	3055	3110	2860	2860	2930	2990	2780	2780	2810	2870	62	82	97	135	60-Ø50	60-Ø57	60-Ø62	60-Ø67

1) Data on request.

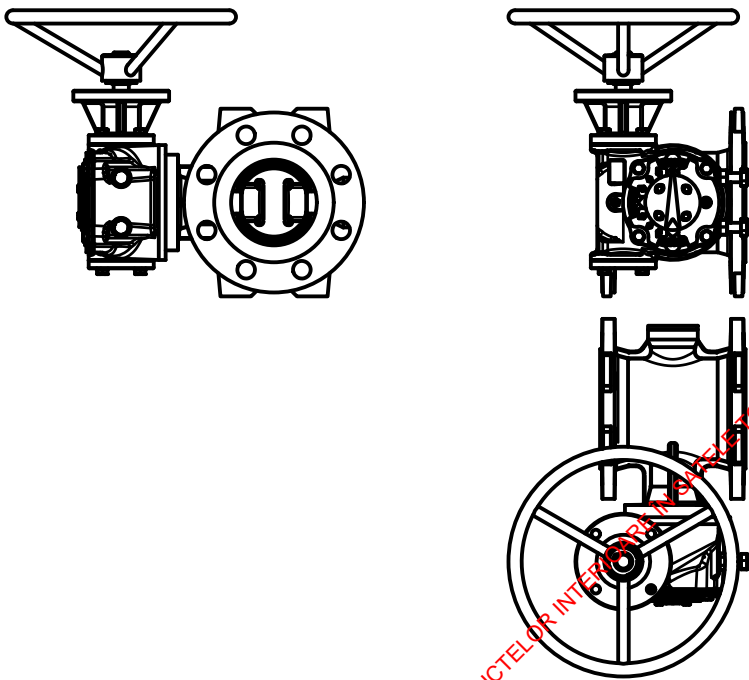
Size	H				W				Gearbox Detail								
	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	Max Torque (Nm)	Stem Hole Diam. (mm)	Handwheel Diam. (mm)	HW Stem Diam. (mm)	I-Turn Ratio	Open/Close Turns	Actual. Inlet	Valve Inlet	Out Torque Gearbox (Nm)
DN100	230	230	246	246	442	442	464	464	1019	22	300	20	1:38	9	F10	F10	10.5
DN125	260	260	280	280	477	477	477	477	1019	22	300	20	1:38	9	F10	F10	11.3
DN150	296	296	312	312	504	504	504	504	1019	22	300	20	1:38	9	F10	F10	12
DN200	350	350	370	400	554	554	554	612	1019	22	300	20	1:38	9	F10	F10	13.5
DN250	416	416	448	470	656	656	759	756	1873	27	300	20	1:40	10	F10	F12	15
DN300	470	470	500	540	713	713	836	833	1873	30	300	20	1:40	10	F10	F12	18
DN350	530	530	578	600	823	823	887	880	3170	45	400	20	1:105	26	F10	F14	34
DN400	590	590	644	680	877	877	986	986	3170	45	400	20	1:105	26	F10	F14	48
DN450	660	660	700	705	945	945	1038	1134	3170	45	400	20	1:105	26	F10	F14	56
DN500	730	730	760	780	1010	1010	1177	1207	5670	56	400	20	1:300	75	F10	F16	60
DN600	860	860	880	910	1153	1153	1299	1336	5670	56	400	20	1:300	75	F10	F16	70
DN700	940	940	990	1025	1334	1334	1437	1534	9080	75	500	25	1:504	126	F10	F25	75
DN800	1060	1060	1120	1170	1469	1469	1587	1726	9080	75	500	25	1:504	126	F10	F25	80
DN900	1160	1160	1220	1280	1590	1590	1749	1891	18680	100	500	25	1:864	216	F10	F30	75
DN1000	1290	1290	1356	1410	1754	1754	1897	2039	18680	100	500	25	1:864	216	F10	F30	80
DN1100	1390	1390	1456	1510	1878	1878	2021	2163	2163	125	560	25	1:1024	256	F10	F35	78.4
DN1200	1520	1520	1560	1610	1967	1967	2122	2264	2264	125	560	25	1:1024	256	F10	F35	81.2
DN1300	1620	1620	1686	1740	2210	2210	2365	2507	2507	125	560	25	1:1024	256	F10	F35	81.2
DN1400	1720	1720	1790	1840	2251	2251	2476	2618	2618	125	560	25	1:1024	256	F10	F35	81.2
DN1500	1820	1820	1900	1940	2370	2370	2870	2884	53973	160	630	30	1:1088	272	F14	F40	158
DN1600	1960	1960	2040	2080	2522	2522	2922	2936	2936	160	630	30	1:1088	272	F14	F40	158
DN1800	2150	2150	2240	2280	3108	3108	3508	3522	3522	210	1000	30	1:1450	362	F14	F40	250
DN2000	2360	2360	2460	2500	3378	3378	3878	3892	3892	210	1000	30	1:1450	362	F14	F40	250
DN2200	2590	2590	2690	2730	3628	3628	4128	4142	4142	210	1000	30	1:1450	362	F14	F40	250
DN2400	2790	2790	2890	2930	3920	3920	4420	4434	4434	210	1000	30	1:1450	362	F14	F40	250
DN2600	3000	3000	3100	3140	4148	4148	4648	4662	4662	210	1000	30	1:1450	362	F14	F40	250

1) Data on request.

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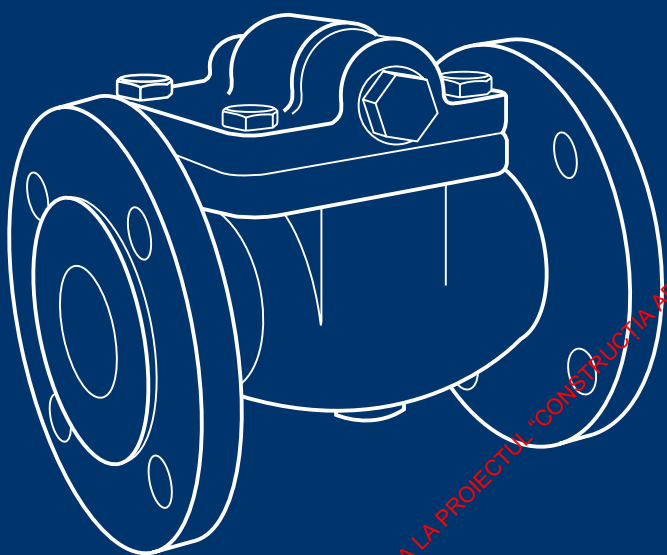
ISO5211 Mounting Pad

Dimensions



DN	Size	ØD min	ØD2	ØD1	Ød1	N1	h	α°
F05	DN40	65	35.5	50	8	4	3.5	45
F05	DN50	65	35.5	50	8	4	3.5	45
F05	DN65	65	35.5	50	8	4	3.5	45
F05	DN80	65	35.5	50	8	4	3.5	45
F07	DN100	90	55.5	70	10	4	3.5	45
F07	DN125	90	55.5	70	10	4	3.5	45
F07	DN150	90	55.5	70	10	4	3.5	45
F10	DN200	125	70.5	102	12	4	3.5	45
F10	DN250	125	70.5	102	12	4	3.5	45
F10	DN300	125	70.5	102	12	4	3.5	45
F10	DN350	125	70.5	102	12	4	3.5	45
F14	DN400	175	100.5	140	18	4	4.5	45
F14	DN450	175	100.5	140	18	4	4.5	45
F14	DN500	175	100.5	140	18	4	4.5	45
F16	DN550	210	130.5	165	22	4	5.5	45
F16	DN600	210	130.5	165	22	4	5.5	45
F25	DN700	300	200.5	254	18	8	5.5	22.5
F25	DN750	300	200.5	254	18	8	5.5	22.5
F25	DN800	300	200.5	254	18	8	5.5	22.5
F25	DN900	300	200.5	254	18	8	5.5	22.5
F25	DN1000	300	200.5	254	18	8	5.5	22.5
F30	DN1200	350	230.5	298	22	8	5.5	22.5

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Check Valves

ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU PARTICIPAREA LA PROIECTUL "CONSTRUCTIA REDUCTELOR INTERIOARE ÎN SATELE TOMAI ȘI SĂRATA-RĂZEȘI, RAIONUL LEOVA" REPETAT 2025

Counterweight Check Valve/EN558 Series 14/ PN10 PN16 PN25

Tilting Type

Model: CHV-CW(HD)-D

Features

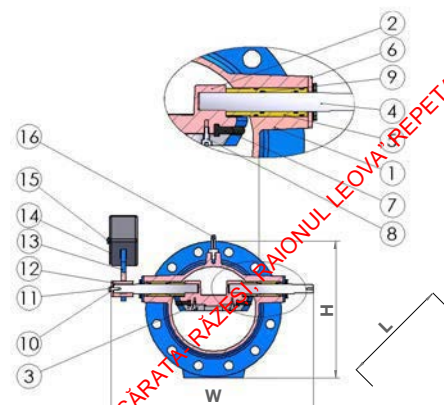
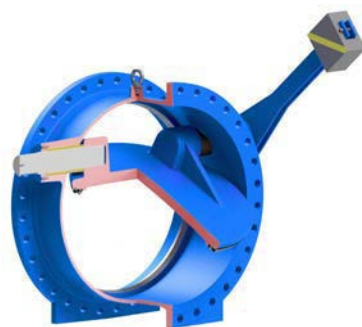
- Suitable for both horizontal and vertical installation
- Flow driven double eccentric disc design
- Very fast respond of the disc, opening even in very low flows
- Opening and closing speed of the check valve setting by the operator by means with hydraulic damper accessory
- Polished stainless steel weld overlay body seat matched with the disc
- Guiding disc shaft, supported on two open-ended bearings
- For DI valve- fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Design: EN 1074-1 and 3; EN 16767
- Nominal pressure designation PN10/16/25
- Face to face: EN558 Series 14
- Inspection test: EN12266-1
- Flanges from DI according to EN1092-2 PN10/16/25
- Flanges from CS,SS, according to EN1092-1 PN10/16/25
- Flanges from NAB, according to EN1092-3 PN10/16/25
- Temperature range 0°C...60°C

Optional Extras

- Hydraulic Damper accessory for non-slam operation upon request
- Limit switch accessory for scada comms and alarms upon request
- Single or double sided lever and counterweight upon request



Material Specifications

Item	Part name	Material	Grade
1	Body	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
2	Disc	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
3	Retaining Ring	SS SS* CS*	X5CrNi18-10 (1.4301) EN 10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3 S235JR (1.0038) EN 10025-2
4	Stem	SS SS* NAB*	X20Cr13 (1.4021) EN 10088-3 X5CrNi18-10 (1.4301) / X5CrNi17-12-2 (1.4401) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
5	Bearing	Bronze Brass* SS* NAB*	CuSn5Zn5Pb5-C (CC491K) EN 1982 CuZn36Pb2As (CV602N) EN 12164 X5CrNi18-10 (1.4301) / X5CrNi17-12-2 (1.4401) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
6	Shaft Cover	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) / EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
7	Sealing Ring	Rubber	EPDM / NBR* EN 681-1
8	Screw	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
9	O-ring	Rubber	EPDM / NBR* EN 681-1
10	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
11	Screw	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
12	Counterweight Cover	DI	EN-GJS-400-15 (5.3106) EN 1563
13	Counterweight Lever	CS	S235JR (1.0038) EN 10025-2
14	Counterweight	GCI DI*	EN-GJL-250 (EN-JL1040) EN 1561 EN-GJS-400-15 (5.3106) EN 1563
15	Screw	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
16	Eyebolt	Non alloy special steel SS*	C15E (1.1141) EN 10084 Zink coated EN ISO 3266 (DIN 580 C 15E) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 UNI 6058 (DIN 444)

* Optional material upon request.

Dimensions

Size	L	D			D1			D2			b			n-Ød			H	W
		PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25		
DN100	190	220	220	235	180	180	190	156	156	156	19	19	19	8-Ø19	8-Ø19	8-Ø23	225	380
DN125	200	250	250	270	210	210	220	184	184	184	19	19	19	8-Ø19	8-Ø19	8-Ø28	255	415
DN150	210	285	285	300	240	240	250	211	211	211	19	19	20	8-Ø23	8-Ø23	8-Ø28	290	465
DN200	230	340	340	360	295	295	310	266	266	274	20	20	22	8-Ø23	12-Ø23	12-Ø28	345	515
DN250	250	395	405	425	350	355	370	319	319	330	22	22	24.5	12-Ø23	12-Ø28	16-Ø31	410	630
DN300	270	445	460	485	400	410	430	370	370	389	24.5	24.5	27.5	12-Ø23	12-Ø28	16-Ø31	465	650
DN350	290	505	520	555	460	470	490	429	429	448	24.5	26.5	28	16-Ø23	16-Ø28	16-Ø34	525	795
DN400	310	565	580	620	515	525	550	480	480	503	24.5	28	30	16-Ø28	16-Ø31	16-Ø37	585	840
DN450	330	615	640	670	565	585	600	530	548	548	25.5	30	34.5	20-Ø28	20-Ø31	20-Ø37	645	910
DN500	350	670	715	730	620	650	660	562	609	609	26.5	31.5	36.5	20-Ø28	20-Ø34	20-Ø37	720	1000
DN600	390	780	840	845	725	770	770	682	720	720	30	36	42	20-Ø31	20-Ø37	20-Ø41	845	1150
DN700	430	895	910	960	840	840	875	794	794	820	32.5	39.5	46.5	24-Ø31	24-Ø37	24-Ø44	915	1350
DN800	470	1015	1025	1085	950	950	990	901	901	928	35	43	51	24-Ø34	24-Ø41	24-Ø50	1030	1440
DN900	510	1115	1125	1185	1050	1050	1090	1001	1001	1028	37.5	46.5	55.5	28-Ø34	28-Ø41	28-Ø50	1130	1580
DN1000	550	1230	1255	1320	1160	1170	1210	1112	1112	1140	40	50	60	28-Ø37	28-Ø44	28-Ø57	1260	1730
DN1200	630	1455	1485	1530	1380	1390	1420	1328	1328	1350	45	57	69	32-Ø41	32-Ø50	32-Ø57	1490	1912

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Check Valve/EN558 Series 48/ PN10 PN16

Swing Type

Model: CHV-SW-H

Features

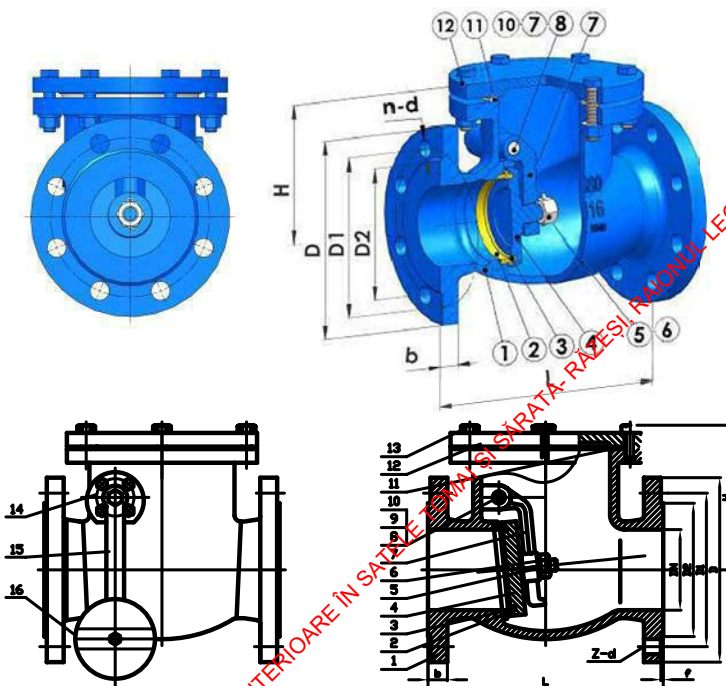
- Suitable for both horizontal and vertical installation
- Full port
- Bolted cover
- Easy replaceable disc and seat
- Pressed on or seal-welded disc ring
- Pressed into the body ring
- In-line service
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005
- Non-alloy steel fasteners made from non-alloy structural steels are with non-electrolytically applied zinc coating according to EN ISO 10683. On request they may made from electrolytically applied zinc coating according to EN ISO 2081 or EN ISO 4042

Technical Specifications

- Design: EN 1074-1 and 3; EN 16767
- Nominal pressure designation PN10/PN16
- Face to face: EN558 Series 48
- Inspection test: EN12266-1
- Flanges according to EN1092-2 PN10/PN16
- Temperature range 0°C...60°C

Options

- External lever arm and counterweight



Material Specifications

Item	Part name	Material	Grade
1	Body	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561
2	Seat Ring	Brass	CuZn36Pb2As (CW602N) EN 12164
3	Retaining Disc Ring	Brass Rubber	CuZn36Pb2As (CW602N) EN 12164 EPDM / NBR EN 681-1
4	Disc	DI	EN-GJS-500-7 (5.3200) EN 1563
5	Washer	CS Zink coated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 (DIN 125)
6	Locking Nut	CS Zink coated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4032 8.8 (DIN 934)
7	Arm	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561
8	Arm Hinge Pin	SS	X20Cr13 (1.4021) EN 10088-3
9	Splint Pin	CS Zink coated	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 1234 (DIN 94)
10	Hinge Pin Gasket	Plastic	PA(Nylon) EN ISO 1874
11	Bonnet Gasket	Rubber SS+ Graphite	EPDM / NBR EN 681-1 GX5CrNi19-11-2 (1.4408) EN 10088-3
12	Bonnet	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561
13	Bolt	CS Zink coated	S235JR (1.0038) EN 10025-2 EN ISO 4762 8.8 (DIN 912)
14	Gland	DI	EN-GJS-500-7 (5.3200) EN 1563
15	External Lever Arm	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561
16	Counterweight	DI GCI	EN-GJS-500-7 (5.3200) EN 1563 EN-GJL-250 (EN-JL1040) EN 1561

Dimensions

Size	L	D		D1		D2		b		n-ød		H
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	
DN40	180	150	150	110	110	84	84	19	19	4-Ø19	4-Ø19	120
DN50	200	165	165	125	125	99	99	19	19	4-Ø19	4-Ø19	127
DN65	240	185	185	145	145	118	118	19	19	4-Ø19	4-Ø19	147
DN80	260	200	200	160	160	132	132	19	19	8-Ø19	8-Ø19	159
DN100	300	220	220	180	180	156	156	19	19	8-Ø19	8-Ø19	180
DN125	350	250	250	210	210	184	184	19	19	8-Ø19	8-Ø19	203
DN150	400	285	285	240	240	211	211	19	19	8-Ø23	8-Ø23	223
DN200	500	340	340	295	295	266	266	20	20	8-Ø23	12-Ø23	258
DN250	600	395	405	350	355	319	319	22	22	12-Ø23	12-Ø28	290
DN300	700	445	460	400	410	370	370	24.5	24.5	12-Ø23	12-Ø28	325
DN350	800	505	520	460	470	429	429	24.5	26.5	16-Ø23	16-Ø28	361
DN400	900	565	580	515	525	480	480	24.5	28	16-Ø28	16-Ø31	388
DN450	1000	615	640	565	585	530	548	25.5	30	20-Ø28	20-Ø31	470
DN500	1100	670	715	620	650	562	609	26.5	31.5	20-Ø28	20-Ø34	670
DN600	1300	780	840	725	770	682	720	30	36	20-Ø31	20-Ø37	750

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Ball Check Valves/EN ISO 228-1 BSP Female Threaded/ PN10 PN16

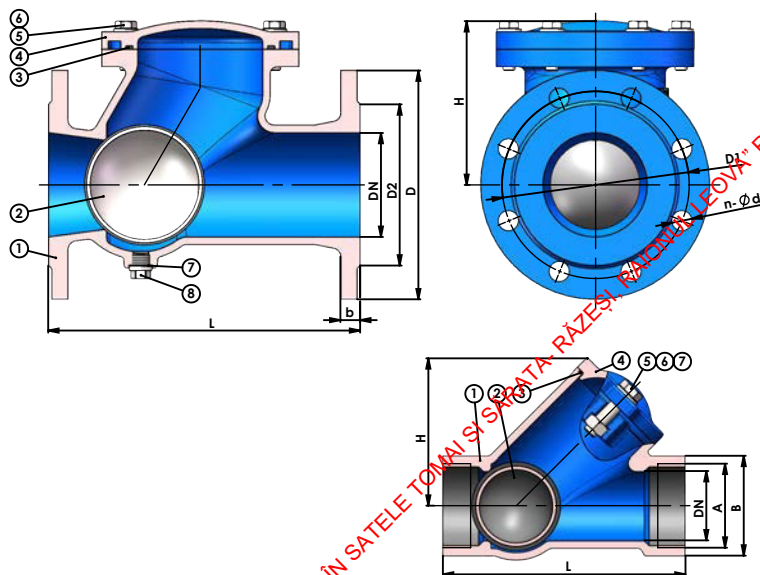
Ball Check Valves/EN558 Series 48/ PN10 PN16

Model: CHV-BL-T-I , CHV-BL-F-I

Ball Check Valves/EN ISO 228-1 BSP Female Threaded/ PN10 PN16

Features

- Suitable for both horizontal and vertical installation
- Full port
- Bolted cover
- Easy replaceable ball
- Ball from non-alloy structural steel precision cast in combination with reinforced elastomer
- In-line service
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005
- Temperature range 0°C...60°C



Technical Specifications

- Design: EN 1074-1 and 3; EN 16767
- Nominal pressure designation PN10/16
- For flanged model: Face to face: EN558 Series 48
- Inspection test: EN12266-1
- For threaded model: British Standard Pipe Parallel thread BSP internal (female) thread according to EN ISO 228-1
- For flanged model: Flanges according to EN1092-2 PN10/16
- Temperature range 0°C...60°C

Material Specifications

Item	Part name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Ball	CS +Rubber	S235JR (1.0038) EN 10025-2 + NBR EN 681-1
3	Bonnet Gasket	Rubber	EPDM / NBR EN 681-1
4	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563
5	Bolt	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
6	Nut	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
7	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)

Dimensions

Size	L	B	D	H
DN25	137	50	G 1"	75
DN32	137	50	G 1 1/4"	75
DN40	145	60	G 1 1/2"	93
DN50	175	72	G 2"	106
DN65	200	90	G 2 1/2"	131

Ball Check Valves/EN558 Series 48/ PN10 PN16

Material Specifications

Item	Part name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Ball	CS +Rubber	S235JR (1.0038) EN 10025-2 + NBR EN 681-1
3	Bonnet Gasket	Rubber	EPDM / NBR EN 681-1
4	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563
5	Bolt	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
6	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
7	Washer	Teflon	PTFE EN ISO 13000-1
8	Plug	SS	X5CrNi18-10 (1.4301) / EN 10088-3

Dimensions

Size	L	D		D1		D2		b		n-Ød		H
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	
DN40	180	150	150	110	110	84	84	19	19	4-Ø19	4-Ø19	106
DN50	200	165	165	125	125	99	99	19	19	4-Ø19	4-Ø19	115
DN65	240	185	185	145	145	118	118	19	19	4-Ø19	4-Ø19	124
DN80	260	200	200	160	160	132	132	19	19	8-Ø19	8-Ø19	138
DN100	300	220	220	180	180	156	156	19	19	8-Ø19	8-Ø19	162
DN125	350	250	250	210	210	184	184	19	19	8-Ø19	8-Ø19	202
DN150	400	285	285	240	240	211	211	19	19	8-Ø23	8-Ø23	228
DN200	500	340	340	295	295	266	266	20	20	8-Ø23	12-Ø23	298
DN250	600	395	405	350	355	319	319	22	22	12-Ø23	12-Ø28	368
DN300	700	445	460	400	410	370	370	24.5	24.5	12-Ø23	12-Ø28	438
DN400	900	565	580	515	525	480	480	24.5	28	16-Ø28	16-Ø31	584
DN500	1100	670	715	620	650	562	609	26.5	31.5	20-Ø28	20-Ø34	740

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Check Valve/EN558 Series 16/ PN 10 PN 16 PN 25

Dual Plate

Model: CHV-DP-J

Features

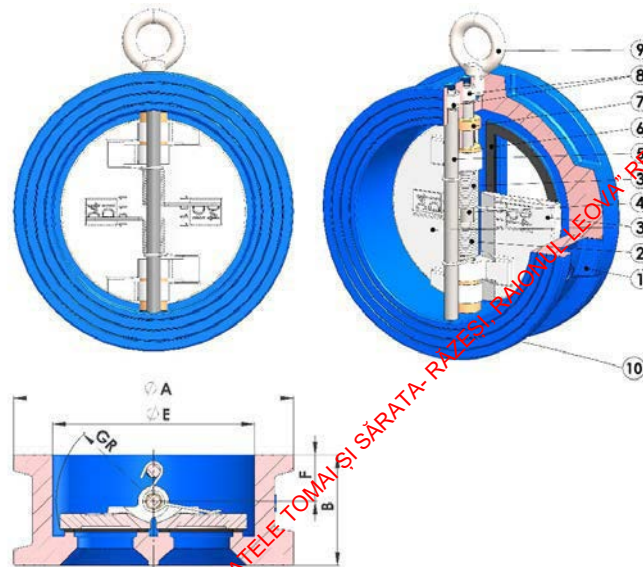
- Wafer body style fits between flanges type A (flat face) or B (raised face)
- Upper and lower PTFE thrust washers
- Resilient NBR/EPDM seat
- Dual Plate Valves give maximum strength with minimum opening time
- Torsion springs assist valve closure, preventing flow reversal
- Thrust washers reduce friction and wear of valve plate hinges
- Spring loaded disc for positive shut-off
- Without occur of water hammer at closing
- Slam free operation
- Lower tear and wear of the seat faces

Technical Specifications

- Design: EN 1074-1 and 3; EN 16767
- Nominal pressure designation PN10/16
- Face to face: EN558 Series 16
- Inspection test: EN12266-1
- Temperature range 0°C...60°C

Options

- Optional heavy spring for slam free operation in systems with high decelerations
- Optional light spring for systems with low line velocities



Material Specifications

Item	Part name	Material	Grade
1	Body	DI GCI	EN-GJS-400-15 (5.3106) EN 1563 EN-GJ-250 (EN1040) EN 1561
2	Spring	SS SS	X5CrNiMo17-12-2 (1.4401) EN 10088-3 X5CrNi18-10 (1.4301) EN 10088-3
3	Disc	DI Ni plated Aluminium Bronze SS SS SS Duplex SS Duplex	EN-GJS-400-15 (5.3106) EN 1563 + Ni CuAl10Fe2-C (CC331G) EN 1982 X5CrNiMo17-12-2 (1.4401) EN 10088-3 X5CrNi18-10 (1.4301) EN 10088-3 X2CrNiMoN22-5-3 (1.4462) EN 10088-3 X2CrNiMoN25-7-4 (1.4410) EN 10088-3
4	Hinge Pin	SS SS SS	X12Cr13 (1.4006) EN 10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3 X5CrNi18-10 (1.4301) EN 10088-3
5	Stem Pin	SS SS SS	X12Cr13 (1.4006) EN 10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3 X5CrNi18-10 (1.4301) EN 10088-3
6	Body Seat	Rubber Fluorocarbon rubber	EPDM / NBR EN 681-1 FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
7	Spring Bearing	Teflon	PTFE EN ISO 13000-1
8	Body Bearing	Teflon	PTFE EN ISO 13000-1
9	Eyebolt	Non alloy special steel	C15E (1.1141) EN 10084 Zink coated EN ISO 3266 (DIN 580 C 15E)
10	Plug	CS	C45 (1.0503) EN 10277-2

Dimensions

Size		Ø A			Ø E	B	GR	F
mm	inch	PN10	PN16	PN25				
DN50	2"	107	107	107	65	43	28.8	19
DN65	2 1/2"	127	127	127	80	46	36.1	20
DN80	3"	142	142	142	94	64	43.4	28
DN100	4"	162	162	168	117	64	52.8	27
DN125	5"	192	192	193	145	70	65.7	30
DN150	6"	218	218	223	170	76	78.6	31
DN200	8"	273	273	283	224	89	104.4	33
DN250	10"	328	328	340	265	114	127.0	50
DN300	12"	378	378	400	310	114	148.3	43
DN350	14"	438	438	448	360	127	172.4	45
DN400	16"	489	489	-	410	140	197.4	53
DN450	18"	539	555	-	450	152	217.8	58
DN500	20"	594	617	-	505	152	241.0	58
DN600	24"	695	700	-	624	178	295.4	73
DN700	28"	810	804	-	720	229	338.5	98
DN800	32"	915	911	-	825	241	385.5	100
DN900	36"	1015	1011	-	927	241	445.5	100

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Wafer Check Valve/EN558 Series 97/ PN 10 PN 16

Swing Type

Model: CHV-W-J

Features

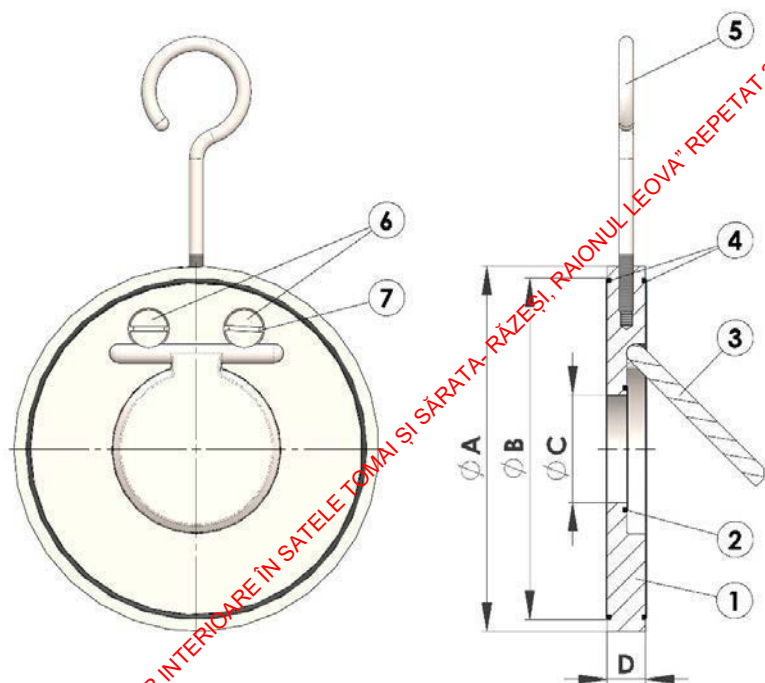
- Lightweight, wafer type check valve suitable to install in pipeline system that is lack of space two flanges
- Design with short body length for easy installation between two flanges
- Field replaceable O-ring elements on the valve body used as sealing gasket, thus, no gasket is required for the installation
- Hinged disc on the body, placed within the flow section with using of disk bearing and retaining screw
- No need from spring return facility, slam free operation
- Extremely wide angle of opening of the disk.
- Excellent low pressure shut-off. The standard low pressure shut-off is less than 0.1 bar
- Combined low line velocity and low pressure tightness
- High capacity/low pressure drop to ensure economical use
- Not suitable for pulsating applications
- Stainless steel fasteners
- In-line service, no maintenance needed

Technical Specifications

- Design: EN 1074-1 and 3; EN 16767
- Nominal pressure designation PN10/16
- Face to face: EN558 Series 97
- Inspection test: EN12266-1
- Temperature range 0°C...60°C

Options

- Internal travel stop to prevents the disc from slamming against the pipe

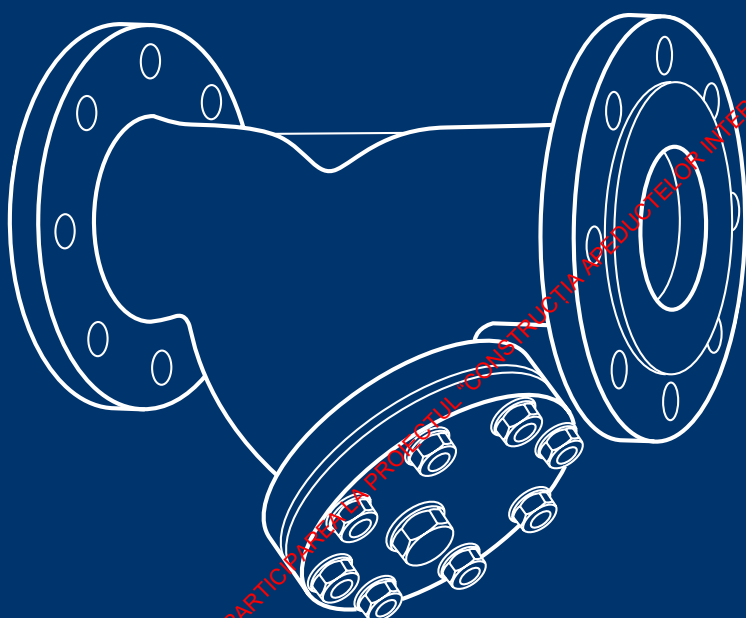


Material Specifications

Item	Part name	Material	Grade
1	Body	CS SS	GP240GH (1.0619) EN 10213 X5CrNiMo17-12-2 (1.4401) EN 10088-3
2	O-ring	Rubber	EPDM / NBR EN 681-1
3	Disc	CS SS	GP240GH (1.0619) EN 10213 X5CrNiMo17-12-2 (1.4401) EN 10088-3
4	O-ring	Rubber	EPDM / NBR EN 681-1
5	Eye Bolt	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 UNI 6058 (DIN 444)
6	Retaining Screw	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
7	Disc Bearing	SS	X5CrNiMo17-12-2 (1.4401) EN 10088-3

Dimensions

Size	A	B	C	D
DN50	109	91	32	14
DN65	129	112	40	14
DN80	144	119	54	14
DN100	164	147	70	18
DN125	194	171	92	18
DN150	220	200	112	20
DN200	275	256	154	22
DN250	330	302	192	26
DN300	380	352	227	32
DN350	440	403	270	38
DN400	491	453	315	44



Strainers

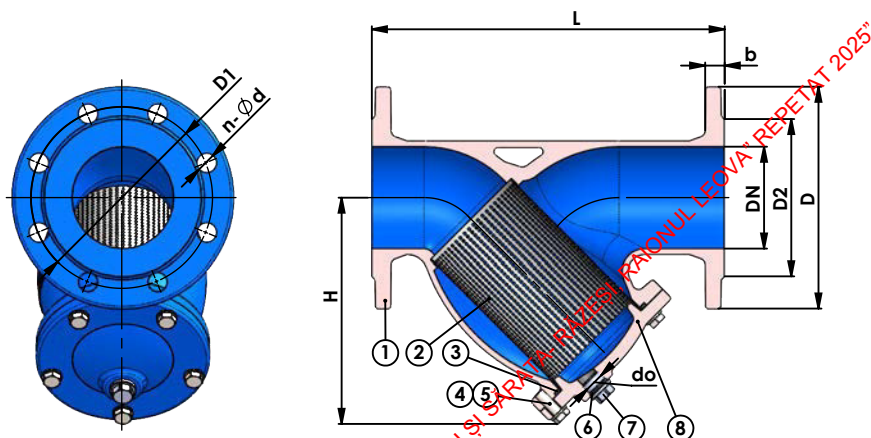
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Strainer Y Type/ EN558 Series 1/ PN10 PN16

Model: S-Y-I

Features

- Y-Pattern body, full bored, with smooth and free passage without sludge ducts, preventing turbulence and with minimal pressure losses.
- Flanged ends with face-to-face dimensions according to the working pressure.
- Arrow direction of the flow, marked on the valve body
- Bolted removable cover, allowing removal of the filter element without dismantling the valve from the pipeline.
- Stainless Steel Filter Screen with varying aperture and thickness of the mesh, according to the nominal diameter of the valve.
- Drain plug, mounted at the cover to easy cleaning of the filter grid, made of non-alloy structural steel 1.0038 (S235JR) with zinc non-electrolyte laid coating according EN 13858.
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 and DIN 3476
- Product color: Blue RAL 5005
- Stainless steel fasteners.



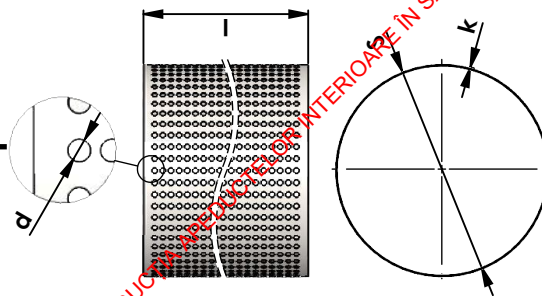
Technical Specifications

- Face to Face: EN 558 / ISO 5752 - 1 base series
- Flanges: EN 1092-2 PN10/16
- Hydraulic test to EN12266-1
- Nominal pressure designation PN10/16 bar
- Temperature range 0°C...60°C

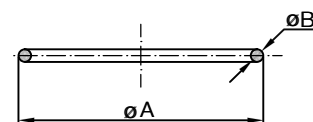
Options

- Additional screen with range of hole diameters from Ø0.15 mm to 1.5 mm

Screen Mech dimension aperture and thickness



Gasket dimension

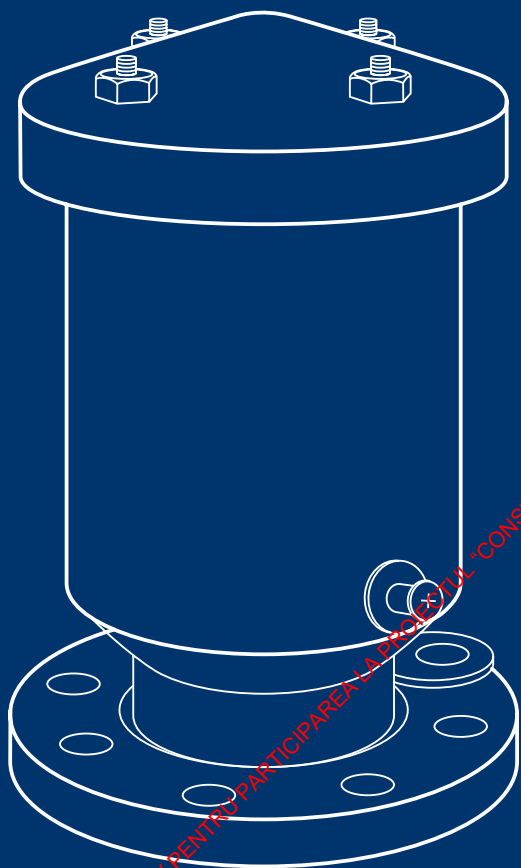


Material Specifications

Item	Part Name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Screen	SS Perforated Mesh	X5CrNi18-10 (1.4301) EN 10088-3
3	O-ring	Rubber	NBR EN 681-1
4	Bolt	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
5	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 7089 (DIN 125 A2/A4)
6	Drain Plug Gasket	SS	X5CrNi18-10 (1.4301) EN 10088-3
7	Drain Plug	SS	X5CrNi18-10 (1.4301) EN 10088-3
8	Bonnet	DI	EN-GJS-500-7 (5.3200) EN 1563

Dimensions

Size	L	D		D1		D2		b		n-Ød		H	d ₀	A	B	I	d	m	k	S
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16									
DN40	200	150	150	110	110	84	84	19	19	4-Ø19	4-Ø19	120	G 3/8"	Ø64	Ø4	90	Ø2	7.1	1	52
DN50	230	165	165	125	125	99	99	19	19	4-Ø19	4-Ø19	142	G 3/8"	Ø74	Ø4	108	Ø2	7.1	1	62
DN65	290	185	185	145	145	118	118	19	19	4-Ø19	4-Ø19	178	G 3/8"	Ø90	Ø5	135	Ø2	7.1	0.8	76
DN80	310	200	200	160	160	132	132	19	19	8-Ø19	8-Ø19	200	G 3/8"	Ø107	Ø5	155	Ø2	4.25	0.8	92
DN100	350	220	220	180	180	156	156	19	19	8-Ø19	8-Ø19	225	G 1/2"	Ø125	Ø5	180	Ø2	4.25	0.8	112
DN125	400	250	250	210	210	184	184	19	19	8-Ø19	8-Ø19	264	G 1/2"	Ø155	Ø5	220	Ø3	4.25	0.5	138
DN150	480	285	285	240	240	211	211	19	19	8-Ø23	8-Ø23	312	G 1/2"	Ø180	Ø6	255	Ø3	3.15	0.5	162
DN200	600	340	340	295	295	266	266	20	20	8-Ø23	12-Ø23	395	G 3/4"	Ø230	Ø6	333	Ø5	3.15	0.5	211
DN250	730	395	405	350	355	319	319	22	22	12-Ø23	12-Ø28	482	G 3/4"	Ø285	Ø6	418	Ø5	3.15	0.5	267
DN300	270	445	460	400	410	370	370	24.5	24.5	12-Ø23	12-Ø28	565	G 3/4"	Ø325	Ø7	500	Ø5	3.15	0.5	317



Air Valves

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Single Chamber/Single Function Air Valve PN10 PN16

Model: AV-1C-1F-I

Features

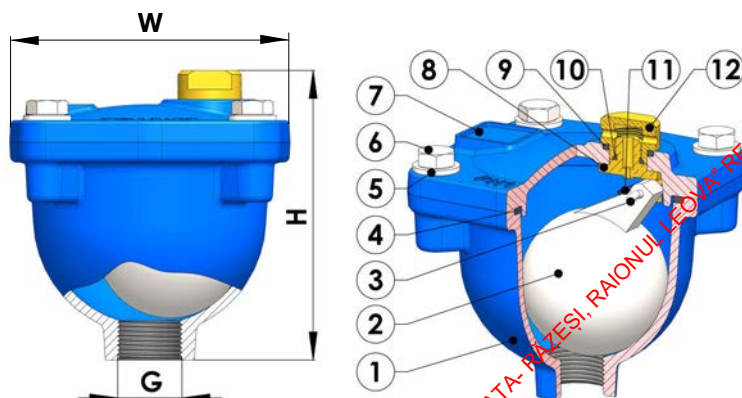
- Designed to perform one main function in a single valve body
Discharge of pressurized air pockets during the operation of the system.
- Valve is designed to be used in the pump discharge points.
- Aerodynamic body with single chamber with float positioned at a predetermined height.
- Pin, guiding the float
- Aerokinetic valve and float design prevents immature closing. The float remains completely stable under air intake/discharge.
- Robust float, consisting of full material, not hollow inside, light enough to guarantee superior sealing and swimming in the water.
- Lever and pin design of the float- even a small elevation change of the float opens the orifice to release the pressurized air pocket.
- Superior float design with reliability of the sealing performance tested for high pressure as well as low pressure.
- Drip tight sealing even in 2mwc pressure.
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2+ DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Air Valve ends with British Standard Pipe (BSP) thread external and internal parallel according to EN ISO 228-1
- Design in compliance with EN 1074-4 and AWWA C-512
- Nominal pressure designation: PN10/16
- On request: Flanges: EN1092-2 PN10/16
- Temperature range 0°C...60°C

Optional Extras

- Flange connections for DN 50 and DN 65 are available upon request.
- Flange connections to be installed on T-fittings are available upon request.
- Isolation valves are available upon request.



Material Specifications

Item	Part name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Float	Acrylonitrile-butadiene-styrene (ABS)	ABS EN ISO 19069-2
3	Hinge Pin	SS SS*	X5CrNiMo17-12-2 (1.4401) EN 10088-3 X5CrNi18-10 (1.4301) EN 10088-3
4	O-ring	Rubber	EPDM / NBR EN 681-1
5	Washer	CS Galvanized SS	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 Form A 140 HV (DIN 125) X5CrNi18-10 A2 (1.4301) EN ISO 7089 (DIN 125 A2/A4)
6	Bolt	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4014 8.8 (DIN 931) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
7	Cover	DI	EN-GJS-500-7 (5.3200) EN 1563
8	Orifice	Brass Bronze *	CuZn39Pb1 (CW611N) EN 12164 CuSn5Zn5Pb5-C (CC491K) EN 1982
9	Cover Gasket	Rubber	EPDM / NBR EN 681-1
10	Orifice Gasket	Rubber	EPDM / NBR EN 681-1
11	Bracket	Plastic	Nylon 101 EN ISO 16396-2
12	Cap	Plastic	Nylon 101 EN ISO 16396-2

* Optional material upon request.

Dimensions

Size	G	H	W
DN25	G 1"	155	132

Single Chamber/Single Function Air Valve PN10 PN16 PN25 PN40



Model: AV-1C-1F-D

Features

- Designed to perform one main function in a single valve body
 - Discharge of pressurized air pockets during the operation of the system.
- Valve is designed to be used in the pump discharge points.
- Aerodynamic body with single chamber with float positioned at a predetermined height.
- Pin, guiding the float
- Aerokinetic valve and float design prevents immature closing. The float remains completely stable under air intake/discharge.
- Robust float, consisting of full material, not hollow inside, light enough to guarantee superior sealing and swimming in the water.
- Lever and pin design of the float- even a small elevation change of the float opens the orifice to release the pressurized air pocket.
- Superior float design with reliability of the sealing performance tested for high pressure as well as low pressure.
- Drip tight sealing even in 2mwc pressure.
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Size: 1" (Optional flange sizes DN40-DN150)
- Design in compliance with EN 1074-4 and AWWA C-512
- Nominal pressure designation: PN10/16/25/40 Flanges:
 - EN1092-2 PN10/16/25/40
- Temperature range 0°C...60°C

Optional Extras

- Isolation valves are available upon request.
- Flange connections to be installed on T-fittings are available upon request.
- Manifolds are available upon request for parallel installation.

Material Specifications

Item	Part name	Material	Grade
1	Body	DI	EN-GJS-400-15 (5.3106) EN 1563
		CS*	GP240GH (1.0619) EN 10213
		SS*	X5CrNi18-10 (1.4301) EN 10088-3
		NAB*	CuAl10Ni5Fe4 (CW307G) EN 12165
2	Float	Foam polypropylene (DN40-DN150)	PP EN ISO 19069-2
		SS*	X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
3	Pin	SS	X5CrNiMo17-12-2 (1.4401) EN 10088-3
		SS*	X5CrNi18-10 (1.4301) EN 10088-3
4	Cover Gasket	Rubber	EPDM / NBR EN 681-1
5	O-ring	Rubber	EPDM / NBR EN 681-1
6	Cover	DI	EN-GJS-400-15 (5.3106) EN 1563
		CS	GP240GH (1.0619) EN 10213
		SS	X5CrNi18-10 (1.4301) EN 10088-3
		NAB*	CuAl10Ni5Fe4 (CW307G) EN 12165
7	Bolt	CS Galvanized	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4014 8.8 (DIN 931)
		SS*	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
8	Washer	CS Galvanized	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 Form A 140 HV (DIN 125)
		SS*	X5CrNi18-10 A2 (1.4301) EN ISO 7089 (DIN 125 A2/A4)
9	Orifice	Bronze	CuSn5Zn5Pb5-C (CC491K) EN 1982
		Brass	CuZn36Pb2As (CW602N) EN 12164
		SS*	X5CrNi18-10 (1.4301) EN 10088-3
		NAB*	CuAl10Ni5Fe4 (CW307G) EN 12165

* Optional material upon request.

Dimensions

Size	H	D				W			
		PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40
DN40	195	150	150	150	150	150	150	150	150
DN50	195	165	165	165	165	165	165	165	165
DN65	195	185	185	185	185	185	185	185	185
DN80	195	200	200	200	200	200	200	200	200
DN100	195	220	220	235	235	220	220	235	235
DN150	195	285	285	300	300	285	285	300	300

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Single Chamber/Double Function Air Valve PN10 PN16

Model: AV-1C-2F-I

Features

- Designed to perform two functions in a single valve body
 - Venting of air on the start-up of the system, while pipelines are filled
 - Intake of air on shut-off of the system, while pipelines are drained
- Aerodynamic body with single chamber with float positioned at a predetermined height.
- Ribbed cage, guiding the float
- Aerodynamic valve and float design prevents immature closing.
- The float remains completely stable under air intake/discharge.
- Robust float, consisting of full material, not hollow inside, light enough to guarantee superior sealing and swimming in the water. Superior float design with reliability of the sealing performance tested for high pressure as well as low pressure.
- Drip tight sealing even in 2mwc pressure.
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-4 and AWWA C-512
- Nominal pressure designation: PN10/16/25/40
- Flanges: EN1092-2 PN10/16/25/40
- Temperature range 0°C...60°C

Optional Extras

- Isolation valves are available upon request.
- Testing cocks are available upon request for inspection and control.

Material Specifications

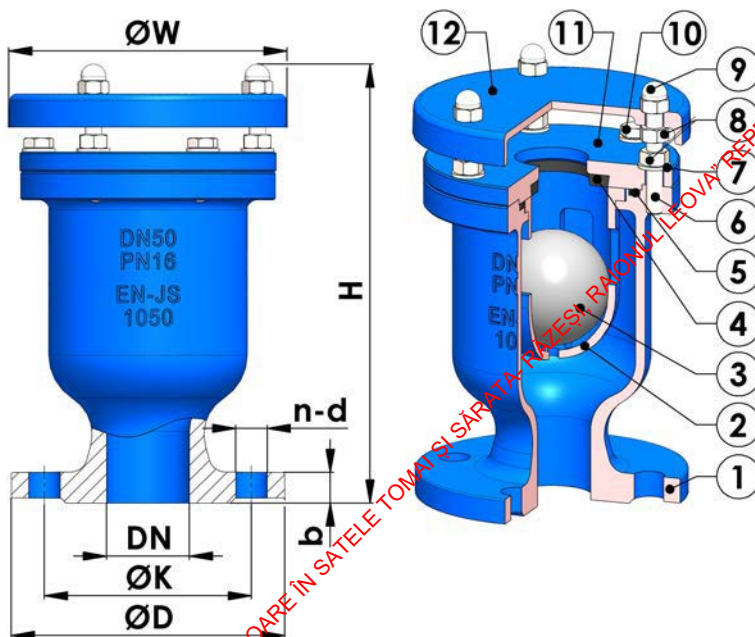
Item	Part name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Cage with Float Guide	Acrylonitrile-butadiene-styrene (ABS)	ABS EN ISO 19069-2
3	Float	Acrylonitrile-butadiene-styrene (ABS)	ABS EN ISO 19069-2
4	Cage Support	Acrylonitrile-butadiene-styrene (ABS)	ABS EN ISO 19069-2
5	Seat O-ring Support	Rubber	EPDM / NBR EN 681-1
6	Cover Gasket	Rubber	EPDM / NBR EN 681-1
7	Washer	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 Form A 140 HV (DIN 125) X5CrNi18-10 A2 (1.4301) EN ISO 7089 (DIN 125 A2/A4)
8	Nut	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4032 8.8 (DIN 934) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
9	Bolt	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 8677 8.8 (DIN 603) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 8677 8.8 (DIN 603 A2/A4)
10	Bolt	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4014 8.8 (DIN 931) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
11	Seat Support	DI	EN-GJS-500-7 (5.3200) EN 1563
12	Cover	DI	EN-GJS-500-7 (5.3200) EN 1563

* Optional material upon request.

Dimensions

Size	D		D1		D2		b		n-Ød		H	W
	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16		
DN40	150	150	110	110	84	84	18	18	4-Ø19	4-Ø19	224	166
DN50	165	165	125	125	99	99	19	19	4-Ø19	4-Ø19	236	178
DN65	185	185	145	145	118	118	19	19	4-Ø19	4-Ø19	244	199
DN80	200	200	160	160	132	132	19	19	8-Ø19	8-Ø19	248	202
DN100	220	220	180	180	156	156	19	19	8-Ø19	8-Ø19	284	233
DN150	285	285	240	240	211	211	19	19	8-Ø23	8-Ø23	324	282

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Single Chamber/Double Function Air Valve PN10 PN16 PN25 PN40



Model: AV-1C-2F-D

Features

- Designed to perform two functions in a single valve body
 - Venting of air on the start-up of the system, while pipelines are filled
 - Intake of air on shut-off of the system, while pipelines are drained
- Aerodynamic body with single chamber with float positioned at a predetermined height.
- Ribbed cage, guiding the float
- Aerodynamic valve and float design prevents immature closing. The float remains completely stable under air intake/discharge.
- Robust float, consisting of full material, not hollow inside, light enough to guarantee superior sealing and swimming in the water.
- Superior float design with reliability of the sealing performance tested for high pressure as well as low pressure.
- Drip tight sealing even in 2mwc pressure.
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-4 and AWWA C-512
- Nominal pressure designation: PN10/16/25/40
- Flanges: EN1092-2 PN10/16/25/40
- Temperature range 0°C...60°C

Optional Extras

- Full bore and reduced bore options are available upon request.
- Isolation valves are available upon request.
- Testing cocks are available upon request for inspection and control.
- Threaded versions available upon request for sizes <DN65

Material Specifications

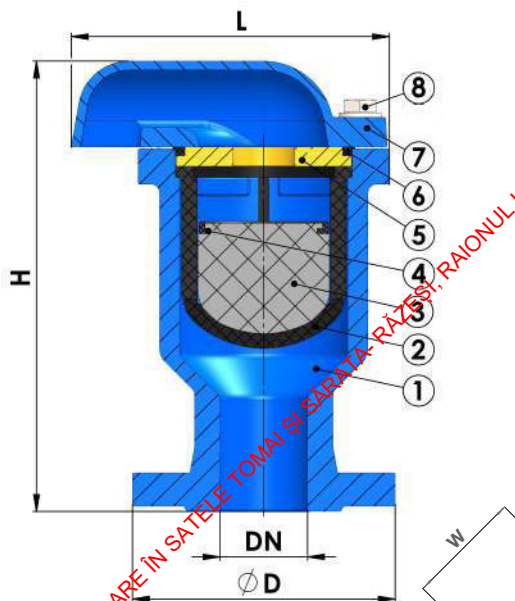
Item	Part name	Material	Grade
1	Body	DI CS * SS * NAB *	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
2	Mesh with Float Guide	PVC Naylon (Polyamide 6) * SS *	Plasticized poly(vinyl chloride) (PVC-P) Polyamide 6 PA EN ISO 16396-2 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
3	Float	Foam polypropylene (DN40-DN150) Polyethylene (DN200-DN500) SS * NAB *	PP EN ISO 19069-2 PE EN ISO 17855-2 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
4	Float Sealing	Rubber	EPDM / NBR EN 681-1
5	Disc	Bronze Brass SS * NAB *	CuSn5Zn5Pb5-C (CC491K) EN 1982 CuZn36Pb2As (CW602N) EN 12164 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
6	Cover Gasket	Rubber	EPDM / NBR EN 681-1
7	Cover	DI CS * SS * NAB *	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
8	Bolt and Washer	CS Galvanized SS *	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4014 8.8 (DIN 931) S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 Form A 140 HV (DIN 125) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 7089 (DIN 125 A2/A4)

* Optional material upon request.

Dimensions

Size	H	D				L	W			
		PN10	PN16	PN25	PN40		PN10	PN16	PN25	PN40
DN40	255	150	150	150	150	180	150	150	150	150
DN50	260	165	165	165	165	180	165	165	165	165
DN65	260	185	185	185	185	180	185	185	185	185
DN80	260	200	200	200	200	180	200	200	200	200
DN100	320	220	220	235	235	265	220	220	235	235
DN125	320	250	250	270	270	265	250	250	270	270
DN150	320	285	285	300	300	265	285	285	300	300
DN200	450	340	340	360	375	345	340	340	360	375
DN250	700	395	405	425	450	530	395	405	425	450
DN300	812	445	460	485	515	580	525	525	525	525
DN350	1065	505	520	555	580	615	615	615	615	615
DN400	1065	565	580	620	660	625	700	700	700	700
DN500	1455	670	715	730	755	860	880	880	880	880

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Double Chamber/Triple Function Air Valve PN10 PN16 PN25

Model: AV-2C-3F-I

Features

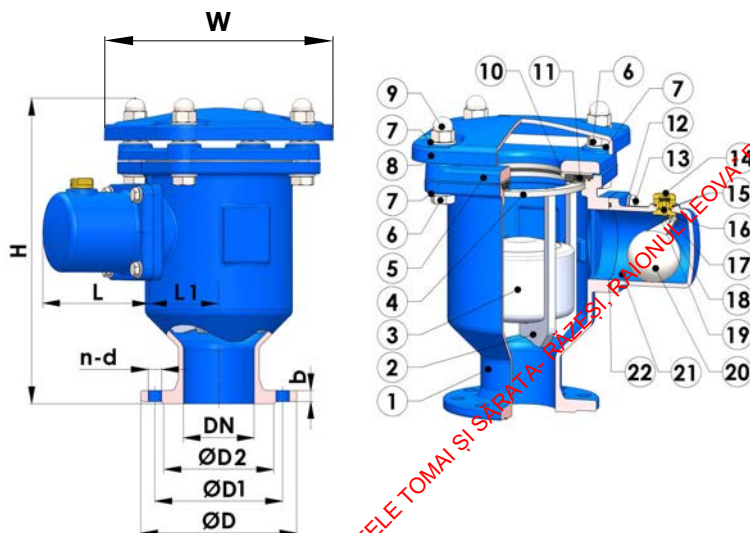
- Designed to perform three functions in a double valve body
 - Venting of air on the start-up of the system, while pipelines are filled
 - Intake of air on shut-off of the system, while pipelines are drained
 - Discharge of pressurized air pockets during the operation of the system
- Two floats in different chambers that are positioned at a predetermined height.
- Ribbed cage, guiding the main float
- Aerodynamic valve and main float design prevents immature closing.
- The main float remains completely stable under air intake/discharge.
- Robust floats, consisting of full material, not hollow inside, light enough to guarantee superior sealing and swimming in the water.
- Superior floats design with reliability of the sealing performance tested for high pressure as well as low pressure.
- Second float attached by a pin for fast reaction.
- Drip tight sealing even in 2mwc pressure.
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-4 and AWWA C-512
- Nominal pressure designation: PN10/16/25
- Flanges: EN1092-2 PN10/16/25
- Temperature range 0°C...60°C

Optional Extras

- Anti-insects screen is available upon request.
- Isolation valves are available upon request.
- Testing cocks are available upon request for inspection and control.



Material Specifications

Item	Part name	Material	Grade
1	Body Big Chamber	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Cage with Float Guide	Acrylonitrile-butadiene-styrene (ABS)	ABS EN ISO 19069-2
3	Main Float	Acrylonitrile-butadiene-styrene (ABS)	ABS EN ISO 19069-2
4	Cage Support	Acrylonitrile-butadiene-styrene (ABS)	ABS EN ISO 19069-2
5	Seat Support	DI	EN-GJS-500-7 (5.3200) EN 1563
6	Nut	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4032 8.8 (DIN 934) X5CrNi18-10 A2 (1.4301) EN ISO 4032 8.8 (DIN 934 A2/A4)
7	Washer	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 Form A 140 HV (DIN 912) X5CrNi18-10 A2 (1.4301) EN ISO 7089 (DIN 125 A2/A4)
8	Cover Big Chamber	DI	EN-GJS-500-7 (5.3200) EN 1563
9	Bolt	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 8677 8.8 (DIN 603) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 8677 8.8 (DIN 603 A2/A4)
10	Seat O-Ring Support	Acrylonitrile-butadiene-styrene (ABS)	ABS EN ISO 19069-2
11	Seat O-Ring	Rubber	EPDM / NBR EN 681-1
12	Bolt	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4017 8.8 (DIN 933) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
13	Washer	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 Form A 140 HV (DIN 125) X5CrNi18-10 A2 (1.4301) EN ISO 7089 (DIN 125 A2/A4)
14	Small Orifice Cover	Brass	CuZn39Pb1 (CW611N) EN 12168
15,17	Small Orifice Gasket	Rubber	EPDM / NBR EN 681-1
16	Bracket	Brass Bronze*	CuZn39Pb1 (CW611N) EN 12168 CuSn5Zn5Pb5-C (CC491K) EN 1982
18	Small Orifice Body	Brass Bronze*	CuZn39Pb1 (CW611N) EN 12168 CuSn5Zn5Pb5-C (CC491K) EN 1982
19	Hinge Pin	SS SS*	X5CrNiMo17-12-2 (1.4401) EN 10088-3 X5CrNi18-10 (1.4301) EN 10088-3
20	Side Float	Acrylonitrile-butadiene-styrene (ABS)	ABS EN ISO 19069-2
21	Body Small Chamber	DI	EN-GJS-500-7 (5.3200) EN 1563
22	Small Chamber Gasket	Rubber	EPDM / NBR EN 681-1

Optional material upon request.

Dimensions

Size	D			D1			D2			b			n-Ød			H	L	L1	W
	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25				
DN50	165	165	165	125	125	125	99	99	99	19	19	19	4-Ø19	4-Ø19	4-Ø19	270	125	88	165
DN65	185	185	185	145	145	145	118	118	118	19	19	19	4-Ø19	4-Ø19	8-Ø19	300	125	88	165
DN80	200	200	200	160	160	160	132	132	132	19	19	19	8-Ø19	8-Ø19	8-Ø19	355	125	112	240
DN100	220	220	235	180	180	190	156	156	156	19	19	19	8-Ø19	8-Ø19	8-Ø23	430	125	128	270
DN150	285	285	300	240	240	250	211	211	211	19	19	20	8-Ø23	8-Ø23	8-Ø28	480	125	158	315
DN200	340	340	360	295	295	310	266	266	274	20	20	22	8-Ø23	12-Ø23	12-Ø28	480	125	158	315

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Double Chamber/Triple Function Air Valve PN10 PN16 PN25 PN40



Model: AV-2C-3F-D

Features

- Designed to perform three functions in a double valve body
 - Venting of air on the start-up of the system, while pipelines are filled
 - Intake of air on shut-off of the system, while pipelines are drained
 - Discharge of pressurized air pockets during the operation of the system.
- Two floats in different chambers that are positioned at a predetermined height.
- Ribbed cage, guiding the main float
- Aerodynamic valve and main float design prevents immature closing.
- The main float remains completely stable under air intake/discharge.
- Robust floats, consisting of full material, not hollow inside, light enough to guarantee superior sealing and swimming in the water.
- Superior floats design with reliability of the sealing performance tested for high pressure as well as low pressure.
- Second float attached by a pin for fast reaction..
- Drip tight sealing even in 2mwc pressure.
- Fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-4 and AWWA C-512
- Nominal pressure designation: PN10/16/25/40
- Flanges: EN1092-2 PN10/16/25/40
- Temperature range 0°C...60°C

Optional Extras

- Full bore and reduced bore options are available upon request.
- Isolation valves are available upon request.
- Testing cocks are available upon request for inspection and control.
- Threaded versions available upon request for sizes <DN65

Material Specifications

Item	Part name	Material	Grade
1	Body Big Chamber	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
2	Mesh with Float Guide	PVC Nylon (Polyamide 6)* SS*	Plasticized poly(vinyl chloride) (PVC-P) Polyamide 6 PA EN ISO 16396-2 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
3	Main and Small Float	Foam polypropylene (DN40-DN150) Polyethylene (DN200-DN500) SS* NAB*	PP EN ISO 19069-2 PE EN ISO 17855-2 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
4	Float Sealing	Rubber	EPDM / NBR EN681-1
5	Disc	Bronze Brass* SS* NAB*	CuSn5Zn5Pb5-C (CC491K) EN 1982 CuZn36Pb2As (CW602N) EN 12164 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
6	Cover Gasket	Rubber	EPDM / NBR EN 681-1
7	Cover Big Chamber	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
8	Bolt and Washer	CS Galvanized SS*	S235JR Zink coated (1.0038) EN 10025-2 EN ISO 4014 8.8 (DIN 931) S235JR Zink coated (1.0038) EN 10025-2 EN ISO 7089 Form A 140 HV (DIN 125) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 7089 (DIN 125 A2/A4)
9	Gasket	Rubber	EPDM / NBR EN 681-1
10	Body Small Chamber	DI CS* SS* NAB*	EN-GJS-400-15 (5.3106) EN 1563 GP240GH (1.0619) EN 10213 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN 12165
11	O-Rings	Rubber	EPDM / NBR EN 681-1
12	Orifice Body and Cover	SS SS* Bronze*	1.4301 (X5CrNi18 9) EN 10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3 CuSn5Zn5Pb5-C (CC491K) EN 1982

* Optional material upon request.

Dimensions

Size	H	D				L	W			
		PN10	PN16	PN25	PN40		PN10	PN16	PN25	PN40
DN40	255	150	150	150	150	325	150	150	150	150
DN50	260	165	165	165	165	325	165	165	165	165
DN65	260	185	185	185	185	325	185	185	185	185
DN80	260	200	200	200	200	325	200	200	200	200
DN100	320	220	220	235	235	370	220	220	235	235
DN125	320	250	250	270	270	370	250	250	270	270
DN150	320	285	285	300	300	370	285	285	300	300
DN200	450	340	340	360	375	370	340	340	360	375
DN250	700	395	405	425	450	633	395	405	425	450
DN300	812	445	460	485	515	685	525	525	525	525
DN350	1065	505	520	555	580	880	615	615	615	615
DN400	1065	565	580	620	660	880	700	700	700	700
DN500	1455	670	715	730	755	1060	880	880	880	880

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Air Valve for Sewage PN10 PN16

Model: SAV-1C-3F-I

Features

- Designed to perform three functions in a single valve body
 - Venting of air on the start-up of the system, while pipelines are filled
 - Intake of air on shut-off of the system, while pipelines are drained
 - Discharge of pressurized air pockets during the operation of the system.
- Sealing mechanism is completely free from the sewage
- Float mechanism preventing sewage to rise up to the sealing area
- Kinetic stem assembly for guiding the float straight in the body of the valve
- Venting Assembly mounted in the up valve cover for proper discharge of pressurized air pockets trough up valve cover outlet.
- Bottom funnel shape body design preventing clogging
- Standard flushing ball valve stationed at the bottom of the valve
- For ductile Iron body - fusion bonded epoxy coated Inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 ,DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-4, ANSI/AWWA C512-07
- Nominal pressure designation: PN10/16
- Flanges: EN1092-2 PN10/16
- Temperature range 0°C...60°C

Optional Extras

- Non-Slam option is available upon request.
- Manifolds are available upon request for parallel installation.

Material Specifications

Item	Part name	Material	Grade
1	Bottom Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Drainage ball valve	Brass	CuZn39Pb1 (CW611N) EN 12164
3	Bottom Body Gasket	Rubber	EPDM EN 681-1
4	Bolt , Nut and Washer	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
5	Upper Body	DI	EN-GJS-500-7 (5.3200) EN 1563
6	Float	SS	X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
7	Kinetic Stem Assembly	SS	X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
8	Upper Body Gasket	Rubber	EPDM EN 681-1
9	Top Flange	SS	X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
10	Venting Assembly	Polyamide	Polyamide 6 PA EN ISO 16396-2
11	Up Valve Cover Gasket	Rubber	EPDM EN 681-1
12	Up Valve Cover	Polyethylene	HDPE EN ISO 17855-2

Dimensions

Size	L	D		D1		D2		b		n-Ød		H	G
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16		
DN50	386	165	165	125	125	99	99	19	19	4-Ø19	4-Ø19	660	G 3/4"
DN65	386	185	185	145	145	118	118	19	19	4-Ø19	4-Ø19	660	G 3/4"
DN80	386	200	200	160	160	132	132	19	19	8-Ø19	8-Ø19	660	G 3/4"
DN100	386	220	220	180	180	156	156	19	19	8-Ø19	8-Ø19	660	G 3/4"
DN125	386	250	250	210	210	184	184	19	19	8-Ø19	8-Ø19	660	G 3/4"
DN150	386	285	285	240	240	211	211	19	19	8-Ø23	8-Ø23	660	G 3/4"
DN200	386	340	340	295	295	266	266	20	20	8-Ø23	12-Ø23	660	G 3/4"

Air Valve for Sewage PN10 PN16 PN25

Model: SAV-1C-3F-D

Features

- Designed to perform three functions in a single valve body
 - Venting of air on the start-up of the system, while pipelines are filled
 - Intake of air on shut-off of the system, while pipelines are drained
 - Discharge of pressurized air pockets during the operation of the system.
- Material of body optional- ductile iron or corrosion resistance stainless steel.
- POM or Ductile Iron (for operation loads bigger then PN16)
 - Sealing Body options
- Sealing mechanism is completely free from the sewage
- Two-float mechanism preventing sewage to rise up to the sealing area
- Bottom funnel shape body design preventing clogging
- Standard flushing ball valve stationed at the bottom of the valve
- For ductile Iron body - fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-4, ANSI/AWWA C512-07
- Nominal pressure designation: PN10/16/25
- Flanges: EN1092-2 PN10/16/25
- Temperature range 0°C...60°C

Optional Extras

- Non-Slam option is available upon request.
- Manifolds are available upon request for parallel installation.

Material Specifications

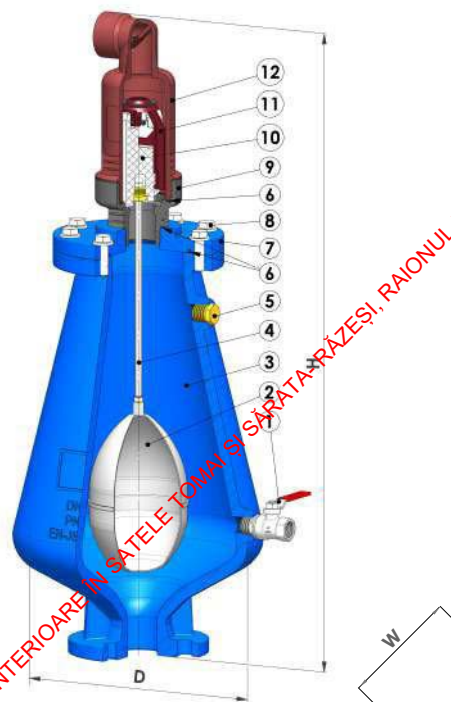
Item	Part name	Material	Grade
1	Drainage ball valve 1"	Brass	CuZn36Pb2As (CW602N) EN 12164
2	Float	SS Polyethylene*	X5CrNiMo17-12-2 (1.4401) EN10088-3 PE EN ISO 17855-1
3	Body	DI SS*	EN-GJS-400-15 (5.3106) EN 1563 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
4	Stem	SS SS*	X20Cr13 (1.4021) EN 10088-3 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
5	Probe	Brass SS*	CuZn36Pb2As (CW602N) EN 12164 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
6	Cover Gasket	Rubber	NBR EN 681-1
7	Cover	DI SS*	EN-GJS-400-15 (5.3106) EN 1563 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
8	Bolt and washer	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
9	Plastic Base	Polyamide-Nilon	Polyamide 6 PA EN ISO 16396-2
10	Sealing Float	Polyoxymethylene Polyethylene* DI*	POM EN ISO 29988-1 PE EN ISO 17855-1 EN-GJS-400-15 (5.3106) EN 1563
11	Seal plug assembly	Polyamide-Nilon	Polyamide 6 PA EN ISO 16396-2
12	Sealing Cover	Polyoxymethylene Polyethylene* DI*	POM EN ISO 29988-1 PE EN ISO 17855-1 EN-GJS-400-15 (5.3106) EN 1563

*Optional material upon request.

Dimensions

Size	H	D	W
DN50	733	366	165
DN80	733	366	200
DN100	733	366	220
DN150	733	366	285
DN200	733	366	340

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Triple Function Underground Type Air Valve PN10 PN16

Model: AV-U-3F-D

Features

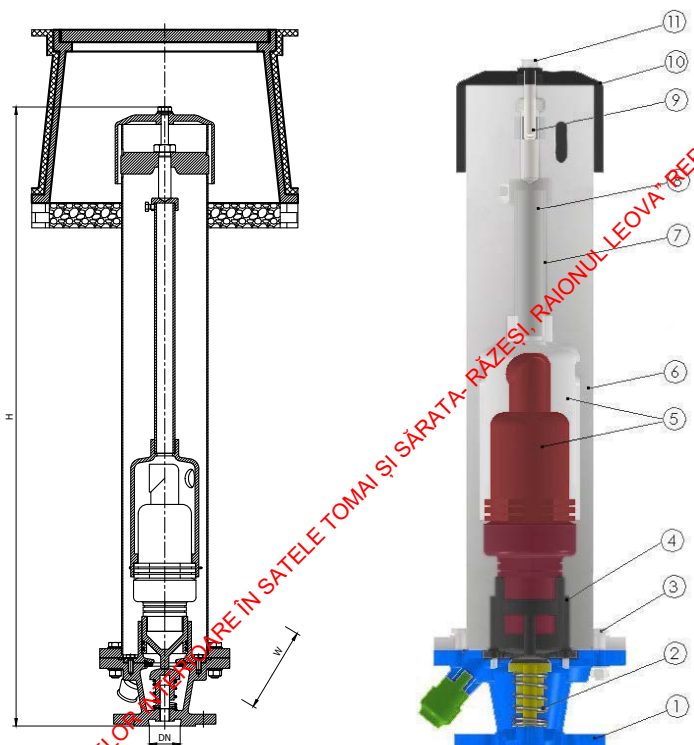
- Designed to perform three functions in a single valve body
 - Venting of air on the start-up of the system, while pipelines are filled
 - Intake of air on shut-off of the system, while pipelines are drained
 - Discharge of pressurized air pockets during the operation of the system.
- Three different length options for the protection sleeve.
- Integral check isolation mechanism, positioned at the bottom of the air valve, providing ease of maintenance
- No isolation valve need with the integral check mechanism- the check-isolation mechanism closes automatically.
- No need of valve chamber- The protection sleeve protects the air valve from the soil and allows enough gap for air intake/discharge.
- POM ribbed body holding a float, positioned at a predetermined height and guiding the float when it moves in case of elevation of the water.
- Aerodynamic design of the valve, the float remains completely stable under air intake/discharge.
- Float sealing design allows the float to operate in dynamic conditions as well, discharging small pressurized air pockets.
- For ductile iron body - fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 ,DIN 3476
- Product color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-4, ANSI/AWWA C512-07
- Nominal pressure designation: PN10/16
- Flanges: EN1092-2 PN10/16
- Temperature range 0°C...60°C

Optional Extras

- Surface box is available upon request.



Material Specifications

Item	Part name	Material	Grade
1	Body	DI	EN-GJS-400-15 (5.3106) EN 1563
2	Integrated check mechanism 1"	Brass	CuZn36Pb2As (CW602N) EN 12164
3	Bolts, nuts and washers	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
4	Seal	Rubber	EPDM / NBR EN 681-1
5	Air Valve Body, Air Valve Float	Polyoxymethylene	POM EN ISO 29988-1
6	Air Valve Sleeve	Aluminium	ENAC-AISI11 (ENAC-44000) EN 1706
7	Protection Sleeve	SS SS Polyethylene*	X5CrNi18-10 (1.4301) EN 10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3 PE EN ISO 17855-1
8	Pipe	CS Galvanized SS*	S235JR galvanized (1.0038) EN 10025-2 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
9	Stem	SS SS*	X20Cr13 (1.4021) EN 10088-3 X5CrNiMo17-12-2 (1.4401) / X5CrNi18-10 (1.4301) EN 10088-3
10	Cover	DI	EN-GJS-400-15 (5.3106) EN 1563
11	Screw and washer	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)

* Optional material upon request.

Dimensions

Size	H	W
	755	210
DN50	1055	210
	1355	210
	1555	210
DN65	755	210
	1055	210
	1355	210
	1555	210
DN80	755	210
	1055	210
	1355	210
	1555	210
DN100	755	220
	1055	220
	1355	220
	1555	220

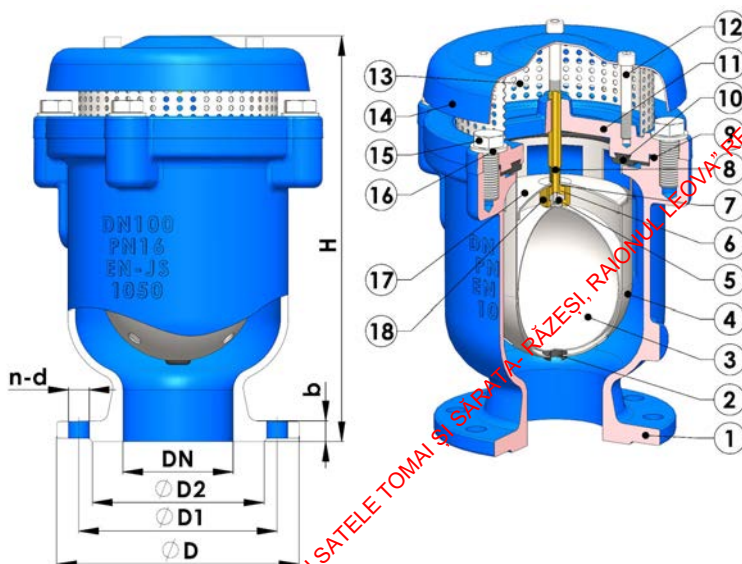
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Triple Function Anti-Shock Non-Slam Air Valve PN10 PN16 PN25

Model: AV-1C-3F-AS-I

Features

- Designed to perform three functions in a single valve body
 - Venting of air on the start-up of the system, while pipelines are filled
 - Intake of air on shut-off of the system, while pipelines are drained
 - Discharge of pressurized air pockets during the operation of the system.
- Full bore aerodynamic body design with optional outlet for submerged applications.
- Special anti-shock design and anti-water hammer system consisting of stainless steel ball float and disc, preventing from the water effect and provides anti-slam by vertical deflection and discharging of the high water pressure.
- Smooth cage outside of the float, keeping float moving in specific guiding rib rail.
- Kinetic rod assembly for guiding the float straight in the body of the valve.
- Venting Assembly mounted above the float ball for proper discharge of pressurized air pockets through up valve cover outlet.
- Drip tight sealing even in 2mwc pressure.
- Anti-insects and anti-dust protecting stainless steel screen.
- Drip tight sealing even in 2mwc pressure.
- For ductile Iron body - fusion bonded epoxy coated inside and outside for the coating units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Product color: Blue RAL 5005



Technical Specifications

- Design in compliance with EN 1074-4, ANSI/AWWA C512-07
- Nominal pressure designation: PN10/16/25
- Flanges: EN1092-2 PN10/16/25
- Temperature range 0°C...60°C

Material Specifications

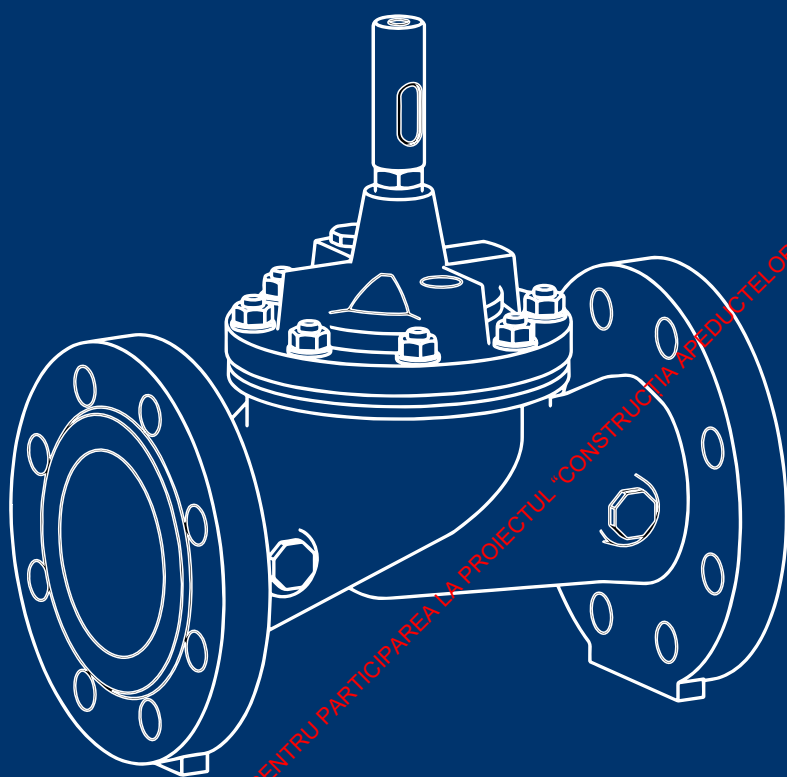
Item	Part name	Material	Grade
1	Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Bushing	SS	X5CrNi18-10 (1.4301) EN 10088-3
3	Floating Ball	SS	X5CrNi18-10 (1.4301) EN 10088-3
4	Cage with Float Guide	SS	X5CrNi18-10 (1.4301) EN 10088-3
5	Sealing Plug	Stereolithography (SLA) Resin	SLA EN ISO 19069-2 FOJTPBTUN 63: 14-2
6	Lock Nut	Brass	CuZn39Pb1 (CW611N) EN 12164
7	Nut	SS	X5CrNi18-10 A2 (1.4301) EN ISO 4032 8.8 (DIN 934 A2/A4)
8	Guiding Rod	Brass	CuZn39Pb1 (CW611N) EN 12164
9	Cover Gasket	Rubber	NBR EN 681-1
10	Seal Ring	Rubber	NBR EN 681-1
11	Cover	DI	EN-GJS-500-7 (5.3200) EN 1563
12	Hex Socket Cap Screw	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4762 8.8 (DIN 912 A2/A4)
13	Dustproof Screen	SS	X5CrNi18-10 (1.4301) EN 10088-3
14	Dustproof Cover	SS epoxy coated	X5CrNi18-10 (1.4301) EN 10088-3
15	Bolt	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
16	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 7089 (DIN 125 A2/A4)
17	Anti-Slam Disc	SS	X5CrNi18-10 (1.4301) EN 10088-3
18	Sealing Sleeve	Brass Bronze *	CuZn39Pb1 (CW611N) EN 12164 CuSn5Zn5Pb5-C (CC491K) EN 1982

*Optional material upon request.

Dimensions

Size	D			D1			D2			b			n-ød			H
	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	
DN50	165	165	165	125	125	125	99	99	99	19	19	19	4-Ø19	4-Ø19	4-Ø19	305
DN65	185	185	185	145	145	145	118	118	118	19	19	19	4-Ø19	4-Ø19	8-Ø19	305
DN80	200	200	200	160	160	160	132	132	132	19	19	19	8-Ø19	8-Ø19	8-Ø19	330
DN100	220	220	235	180	180	190	156	156	156	19	19	19	8-Ø19	8-Ø19	8-Ø23	370
DN150	285	285	300	240	240	250	211	211	211	19	19	20	8-Ø23	8-Ø23	8-Ø28	450
DN200	340	340	360	295	295	310	266	266	274	20	20	22	8-Ø23	12-Ø23	12-Ø28	500

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Control Valves

ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU PARTICIPAREA LA PROIECTUL "CONSTRUCTIA RELECTELOR INTERIOARE ÎN SATELE TOMAI ȘI SĂRATA-RAZES, RAIONUL LEOVA" REPETAT 2025

Pressure Relief Valve PN10 PN16 PN25 PN40

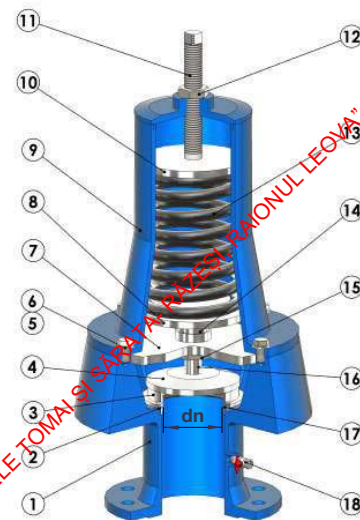
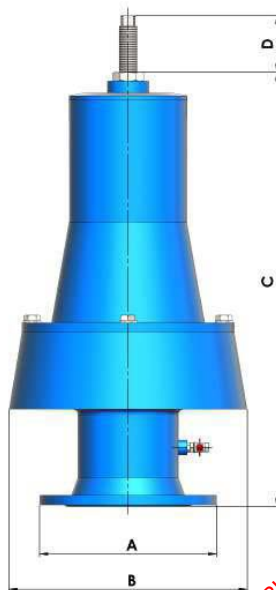
Model: PRV-FA-S-C

Features

- Solid and compact design suitable for treated and raw water and to reduce blow-back
- Negligible inertia of the internal mobile parts ensuring the absence of friction and long lasting performances
- Perfect water tightness and excellent resistance to cavitation and wearing working conditions due to the floating obturator technology and to the use of special gaskets and high resistant stainless steel grades
- Fast and accurate response without any hysteresis effect thanks to high frequency annealed springs
- Reduced overpressure thanks to a wide selection of spring and ranges in pressure
- Water vertical discharge deflector
- Fusion bonded epoxy coated Inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-5
- Connection - flanged according to EN 1092-2 PN10/16/25/40
- Setting ranges: 1-8 bar, 8-16 bar, 16-25 bar
- Temperature range 0°C...60°C



Material Specifications

Item	Part name	Material	Grade - Main Material/ Option
1	Body	DI	EN-GJS-500-7 (5.3200 /EN-GJS-400-15 (5.3106) EN 1563
2	Screw	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
3	Seat	SS	X5CrNi18-10 (1.4301)[X8CrNiS18-9 (1.4305) for DN50/65] EN 10088-3; X5CrNiMo17-12-2 (1.4401) EN 10088-3
4	Obturator	SS	X8CrNiS18-9 (1.4305)[X5CrNi18-10 (1.4301) for DN150-200] EN 10088-3
5	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
6	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
7	Separation Plate	SS / coated SS (for DN150-200)	X10CrNi18-8 (1.4310) EN 10088-3 / GP240GH (1.0619) coated EN 10213
8	Spring Housing	SS	X8CrNiS18-9 (1.4305)[X5CrNi18-10 (1.4301) for DN150-200] EN 10088-3
9	Cap	DI / SS	EN-GJS-500-7 (5.3200) EN 1563/ GP240GH (1.0619) EN 10213
10	Spring Support	SS	X8CrNiS18-9 (1.4305) X5CrNi18-10 (1.4301) for DN150-200 EN 10088-3
11	Spring Screw	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
12	Top Nut	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
13	Spring	Spring Steel Painted	52SiCrNi5 (1.7117) EN 10089
14	Top Flange Ring	SS	X5CrNi18-10 (1.4301) EN 10088-3
15	Driving Sleeve	Delrin / SS (for DN150-200)	Polyoxymethylene POM (Delrin) EN ISO 29988-1 / X5CrNi18-10 (1.4301) EN 10088-3
16	Spring	SS	X5CrNi18-10 (1.4301) EN 10088-3
17	O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
18	Ball valve 1/4"	Brass Nickel plated / SS	CuZn39Pb1 (CW611N) Ni plated EN 12167 / X5CrNiMo17-12-2 (1.4401) EN 10088-3

Dimensions

Size	A	B	C	D	dn
DN50/65	185	185	417	40	40
DN80/100	235	242	540	50	62
DN150	300	404	720	220	137
DN200	360	404	720	220	137

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Direct Acting Pressure Reducer-Stabilizer PN10 PN16 PN25 PN40

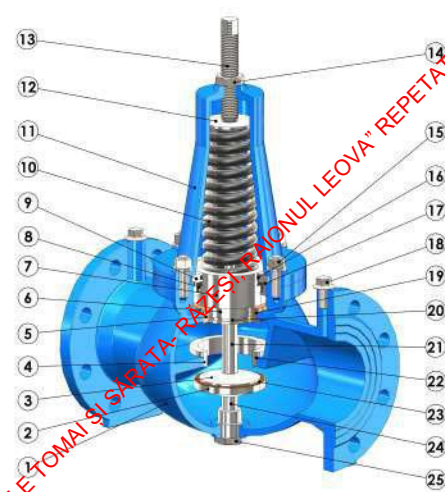
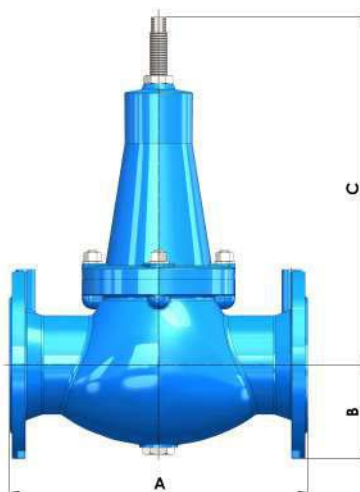
Model: DAPRS-C

Features

- Upstream and downstream pressure balanced, to stabilize the downstream pressure to a pre-set (and adjustable) value regardless of upstream pressure variations without creating unwanted upsurges.
- Innovative self cleaning piston technology to improve performances reducing maintenance operations.
- Mobile block composed of three components in gun metal/stainless steel obtained by CNC to ensure the maximum accuracy and sliding precision, this is to avoid friction and unexpected leakage.
- Upstream/downstream pressure outlets for gauges.
- Large expansion chamber to reduce noise and to provide an excellent resistance to cavitation.
- Fusion bonded epoxy coated inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-5
- Connection - flanged according to EN 1092-2 PN10/16/25/40
- Upstream pressure (inlet): maximum 40 bar.
- Downstream pressure (outlet): adjustable from 1,5 to 6 bar or from 5 to 12 bar.
Higher downstream pressure values upon request.
- Temperature range 0°C...60°C



Material Specifications

Item	Part name	Material	Grade -Main Material/ Option
1	Body	DI	EN-GJS-500-7 (5.3200) / EN-GJS-400-15 (5.3106) EN 1563
2	Gasket I older	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3
3	Gasket Tupport	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3
4	Obturator Tealing Teat	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3
5	Lower Sing	Bronze / SS	CuSn5Zn5Pb5-C (CC491K) EN 1982 / X8CrNiS18-9 (1.4305) EN 10088-3
6	Lower Qiston	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3
7	Upper Qiston	SS / Bronze for DN 125-150	X8CrNiS18-9 (1.4305) EN 10088-3 / CuSn5Zn5Pb5-C (CC491K) EN 1982
8	Gasket	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
9	Main Cush	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3
10	Spring	Spring Steel Painted	52SiCrNi5 (1.7117) EN 10089
11	Cap	DI	EN-GJS-500-7 (5.3200) / EN-GJS-400-15 (5.3106) EN 1563
12	Spring Huide	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3
13	Driving Tcrew	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
14	Tf uNut	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
15	Tds f x f, outs and X ashers	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 UNI 6610 8.8 (DIN 976) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
16	Sliding Sing	Teflon	PTFE EN ISO 13000-1
17	O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
18	Plug for Qressure Hauges	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3
19	O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
20	Gasket	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
21	Spacer	Brass / SS	CuZn39Pb1 (CW611N) EN 12167 / 8CrNiS18-9 (1.4305) EN 10088-3
22	O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
23	O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
24	Plane Hasket	Rubber / Polyurethane	EPDM EN 681-1/ NBR EN 681-1 / PU EN 681-4
25	Guiding Tuf n	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3

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Direct Acting Pressure Reducer-Stabilizer PN10 PN16 PN25 PN40

Model: DAPRS-C

Dimensions

Size	A	B	C
DN50	230	83	280
DN65	290	93	320
DN80	310	100	350
DN100	350	110	420
DN125	400	135	500
DN150	450	150	690

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Ball Float Valve with Balanced Single Seat PN10 PN16

Model: FV-BL-BSS-C

Features

- Three ways body design, allowing both instalation - angular or globe patern
- Self-cleaning technology to reduce the accumulation of dirt and maintenance operations
- The valve modulates and throttle the inflow proportionally to the consumption, accuracy and perfect water-tightness is guaranteed also with low pressure values
- Thanks to the upstream pressure balanced seat the movement of the obturator and valve performance is not affected by upstream pressure fluctuations, transient and unwanted surges are therefore avoided
- Fusion bonded epoxy coated inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2, DIN 3476
- Color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-5
- Flanges according to EN 1092-2 PN10/16
- Nominal pressure PN 16 bar
- Temperature range 0°C...60°C

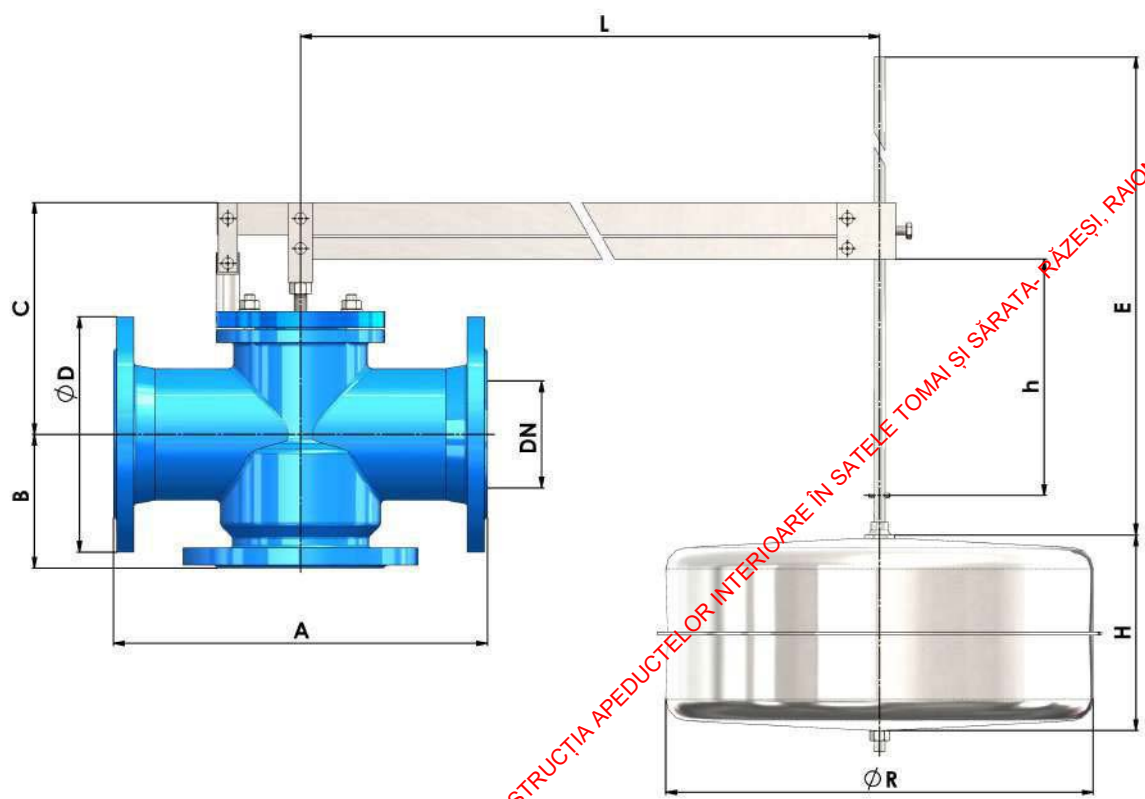
Material Specifications

Item	Part name	Material	Grade -Main Material/ Option
1	Body	DI	EN-GJS-500-7 (5.3200)/ EN-GJS-400-15 (5.3106) EN 1563
2	Counter Seat	SS / (CS coated for DN250-300)	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3 / S235JR coated (1.0038) EN 10025-2
3	Seat	SS	X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
4	O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
5	Lip Seal	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
6	Guiding Bushing	Bronze / (steel+coating for DN250-300)	CuSn5Zn5Pb5-C (CC491K) EN 1982 / X8CrNiS18-9 (1.4305) EN 10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3 / S235JR coated (1.0038) EN 10025-2
7	O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
8	Set Screw	SS	X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
9	Lower Coupling	Zinc-plated CS; SS	S235JR Zinc-plated (1.0038) EN 10025-2 X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
10	Blocking Nut	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
11	Upper Coupling	Zinc-plated CS; SS	S235JR Zinc-plated (1.0038) EN 10025-2 X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
12	Pivot	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) EN 10088-3
13	Stiff Pivot	Zinc-plated CS; SS	S235JR Zinc-plated (1.0038) EN 10025-2 X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
14	Upper Lever	Zinc-plated CS; SS	S235JR Zinc-plated (1.0038) EN 10025-2 X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
15	Lower Lever (from DN 80)	Zinc-plated CS; SS	S235JR Zinc-plated (1.0038) EN 10025-2 X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
16	Stud (from DN150 to DN300)	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 UNI 6610 8.8 (DIN 976)
17	Nut (Bolt up to DN125)	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
18	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
19	Cap	Coated CS	S235JR Coated (1.0038) EN 10025-2
20	Blocking Nut	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
21	Guiding Ring	Teflon	PTFE EN ISO 13000-1
22	Piston	SS	X8CrNiS18-9 (1.4305) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
23	Guiding teflon	SS	X8CrNiS18-9 (1.4305) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
24	Plane gasket	Rubber / Polyurethane	EPDM EN 681-1/ NBR EN 681-1 / PU EN 681-4
25	Obturator	SS	X8CrNiS18-9 (1.4305) / X5CrNi18-10 (1.4301) (from DN200 to 300) EN 10088-3 X5CrNiMo17-12-2 (1.4401) EN 10088-3
26	Tightening Nut	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
27	Float Rod	SS	X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
28	Float Coupling (from DN 80)	Zinc-plated CS; SS	S235JR Zinc-plated (1.0038) EN 10025-2 X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3
29	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
30	Elastic pin (from DN 80)	Spring Steel	C100S (1.1274) EN 10132-4 EN ISO 8752 (DIN 1481 FST)
31	Float	SS	X5CrNi18-10 (1.4301) / X5CrNiMo17-12-2 (1.4401) EN 10088-3

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Ball Float Valve with Balanced Single Seat PN10 PN16

Model: FV-BL-BSS-C



Dimensions

Size	A	B	C	D	L	H	R	h	E
DN40	230	82.5	173	165	600	220	220	105	525
DN50	230	82.5	173	165	600	220	220	105	525
DN65	290	92.5	193	185	600	220	220	180	525
DN80	310	100	235	200	800	200	300	210	820
DN100	350	125	233	220	800	180	400	267	820
DN125	400	125	238	250	800	180	400	267	820
DN150	480	162	371	285	1000	250	400	400	820
DN200	600	183	420	340	1000	250	400	418	820
DN250	730	270	540	405	1220	300	500	510	1258
DN300	850	300	610	460	1400	400	500	610	1460

Downstream Pressure Reducing Valve PN10 PN16 PN25

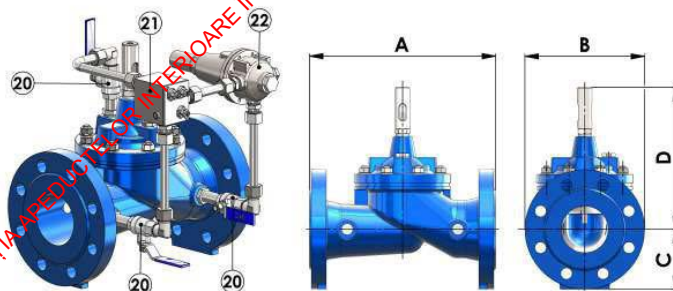
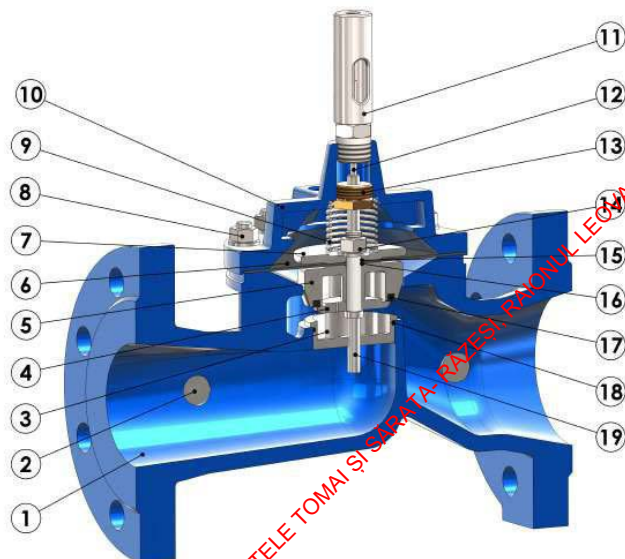
Model: DPRV-A10-C

Features

- Globe pattern designed to reduced head loss and minimize turbulence under a wide flow range
- Mobile block assembly entirely removable from the valve
- Silent operation and absence of vibrations
- Technology to reduce the risk of diaphragm failure
- The Seat and the Gasket Holder are intended to provide excellent resistance of cavitation
- In-line serviceable from the top without having to remove the valve from the pipe
- High quality materials and reliability for long lasting performance
- Fusion bonded epoxy coated Inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2,DIN 3476
- Color: Blue RAL 5005

Technical Specifications

- Design in compliance with EN 1074-5
- Connection - flanged according to EN 1092-2 PN10/16/25
- Media -potable, treated, filtered water
- Minimum operating pressure 0.7 bar
- Maximum operating pressure 25 bar
- Downstream pressure pilot adjustment range:
0.7 to 7 bar;
1.5 to 15 bar
- Temperature range 0°C...60°C



Material Specifications

Item	Part name	Material	Grade -Main Material/ Option
1	Body	DI	EN-GJS-500-7 (5.3200) / EN-GJS-400-15 (5.3106) EN 1563
2	Pressure Outlet Tap	SS	X5CrNiMo17-12-2 (1.4401) EN 10088-3
3	Seat	SS	X8CrNiS18-9 (1.4305) [X5CrNiMo17-12-2 (1.4401) for DN200-600] EN 10088-3
4	Gasket Holder	SS	X8CrNiS18-9 (1.4305) [X5CrNi18-10 (1.4301) for DN200-600] EN 10088-3
5	Obturator	SS (DN80) Coated CS DI (from DN200)	X8CrNiS18-9 (1.4305) for DN80 EN 10088-3 GP240GH (1.0619) coated EN 10213 EN-GJS-500-7 (53200) / EN-GJS-400-15 (53106) EN 1563
6	Diaphragm	Polyamide-Nilon	Polyamide 6 PA EN ISO 16396-2
7	Upper Flat	Coated CS	GP240GH (1.0619) coated EN 10213
8	Stud, Nut and Washer	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 UNI 6610 8.8 (DIN 976) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
9	Spring	SS	X10CrNi18-8 (1.4310) EN 10088-3
10	Cap	DI	EN-GJS-500-7 (5.3200) / EN-GJS-400-15 (5.3106) EN 1563
11	Position Indicator	SS	X8CrNiS18-9 (1.4305) EN 10088-3
12	Indicator Stem	SS	CuZn39Pb1 (CW611N) Ni plated EN 12167
13	Guide Ring	Bronze	X8CrNiS18-9 (1.4305) EN 10088-3
14	Locking Nut and Washer	SS	CuSn5Zn5Pb5-C (CC491K) EN 1982 X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
15	Upper Flat O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
16	Obturator O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
17	Plane Gasket	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
18	Seat O-ring	Rubber / Fluorocarbon rubber	EPDM EN 681-1/ NBR EN 681-1/ FKM Hardness 80 IRHD EN 2798 (Viton Type B ISO 1629)
19	Main Stem	SS	X8CrNiS18-9 (1.4305) EN 10088-3
20	Ball Valve	Brass Nickel plated / SS	CuZn39Pb1 (CW611N) Ni plated EN 12167 / X5CrNiMo17-12-2 (1.4401) EN 10088-3
21	Flow Control Device		
22	Pilot	Brass Nickel plated / SS	CuZn39Pb1 (CW611N) Ni plated EN 12167 / X5CrNiMo17-12-2 (1.4401) EN 10088-3

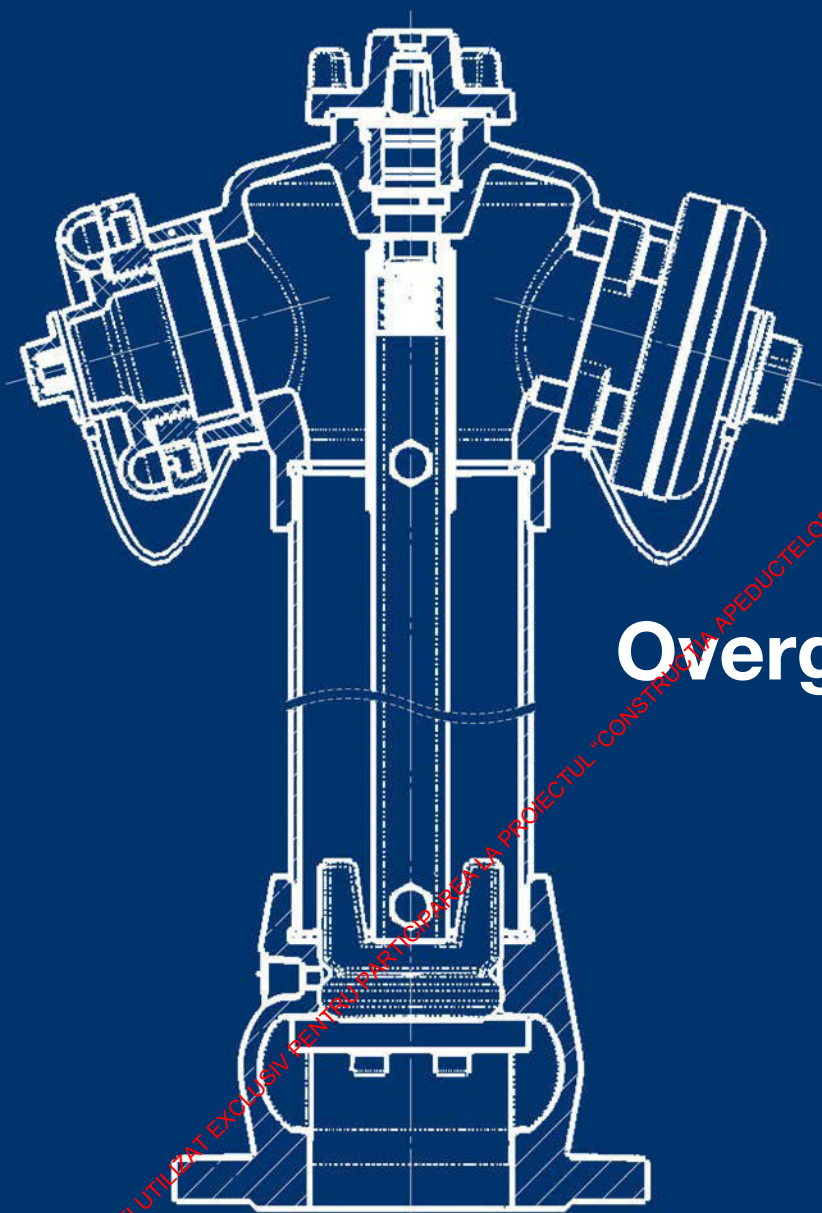
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Downstream Pressure Reducing Valve PN10 PN16 PN25

Model: DPRV-A10-C

Dimensions				
Size	A	B	C	D
DN80	310	162	100	245
DN100	350	218	118	280
DN125	400	260	135	350
DN150	480	260	150	350
DN200	600	370	180	460
DN250	730	444	213	515
DN300	850	570	242	605
DN400	1100	680	310	745
DN500	1250	870	365	945
DN600	1450	870	423	970

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Overground Hydrant

ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU SCOPURILE APROPRIATE A PROIECTULUI "CONSTRUCȚIA APEDUCTELOR INTERIOARE ÎN SATELE TOMAI ȘI SĂRATA- RĂZESI, RAIONUL LEOVA" REPETAT 2025"

Overground hydrant PN10 PN16

Model: WPFH80



Features

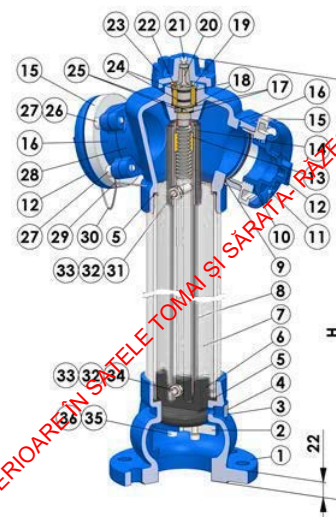
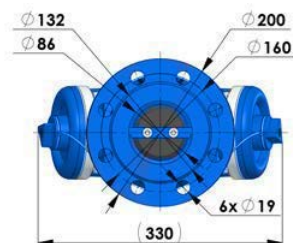
- Two outlets design
- Automatic drainage system - after closure, the emptying of the rest amount of water is performed automatically by means of releasing valve. It has automatically protection for the water froze in the pipes
- Single obturator closing system with fully vulcanized piston
- Possibility of trenchless repairs- replacement of the internal parts under the pressure with the obturator fully open
- High corrosion and UV resistance
- Fusion bonded epoxy coated inside and outside for the coating cast iron units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 DIN 3476
- Product color: Red RAL 3000;Blue RAL 5005

Technical Specifications

- Design in compliance with EN 14384 EN 1074-6
- Nominal pressure designation: PN10/16
- Flanges: DN 80 EN1092-2 PN10/16
- Operating temperature: 0° C...+50° C
- Bulgarkontrola S.A.(EU Notified Body No 1814) has made a determination of the product type on the basis on the test type, using the System 1. Report of the results was delivered. Bulgarkontrola S.A. (EU Notified Body No 1814) issued a certificate of constancy of performance No 1814-CPR-241.

Optional Extras:

- Pillar material from constructional non-alloy steel hot-dip galvanized with Ni coating stainless steel.



Material Specifications

Item	Part name	Material	Grade -Main Material/ Option
1	Base with piston chamber	CGI	EN-GJL-250 (EN-JL1040) EN 1561
2	Guide	CS	S235JR EN 10025-2
3	Mesh	SS	X5CrNiMo17-12-2 (1.4401) EN 10088-3
4	Rivet Ø2X8	Alluminium Alloy	ENAC-AIMg5(Si) (ENAC-51400) EN 1706 ISO 1051 B (DIN 660)
5	Pillar Gasket	Rubber	EPDM EN 681-1
6	Piston Valve	CGI + Rubber	EN-GJL-250 (EN-JL1040) EN 1561 + EPDM 681-1
7	Pillar	Non-alloy quality steel Ni galvanized / SS	E235 (1.0308) EN 102296-1 Ni galvanized / X5CrNiMo17-12-2 (1.4401) EN 10088-3
8	Nb of vsjoh Rod	CS	S235JR EN 10025-2
9	O-ring Ø83X3	Rubber	NBR EN 681-1
10	Cap Gasket/ O-ring Ø83X3	Rubber	EPDM EN 681-1
11	Crimp Bushing	CGI	EN-GJL-250 (EN-JL1040) EN 1561
12	Storz Cap	HDPE/CGI	HDPE EN ISO 17855-2 / EN-GJL-250 (EN-JL1040) EN 1561
13	Sliding Nut	Brass	CuZn39Pb3 (CW614N) EN 12164
14	Cassette	CS	S235JR EN 10025-2
15	Storz Coupling Ø75	Alluminium Alloy	ENAC-AIMg5(Si) (ENAC-51400) EN 1706
16	Storz Flange	CGI	EN-GJL-250 (EN-JL1040) EN 1561
17	Thrust Washer	Brass	CuZn39Pb3 (CW614N) EN 12164
18	O-ring Ø35X3	Rubber	EPDM EN 681-1
19	Circlip Ø41x4.75	SS	X90CrMoV18 (1.4112) EN 10088-1 (UNI 7437 DIN 472)
20	Tuf n	SS	X20Cr13 (1.4021) EN 10088-3
21	Bolt M6x16	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
22	Stufing Nut	Brass	CuZn39Pb3 (CW614N) EN 12164
23	Operation Nut	CGI	EN-GJL-250 (EN-JL1040) EN 1561
24	O-ring Ø17X2.5	Rubber	EPDM EN 681-1
25	Slidier	SS	X20Cr13 (1.4021) EN 10088-3
26	Thrust Washer Ø10.5	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN Form A 125 A2/A4)
27	Bolt M10x30	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
28	Head DN80	CGI	EN-GJL-250 (EN-JL1040) EN 1561
29	Safety Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN Form A 125 A2/A4)
30	Steel Rope	SS	X5CrNiMo17-12-2 (1.4401) EN 10088-3
31	Bolt M10x45	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
32	Spring Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7090 (DIN 127 A2/A4)
33	Nut M10	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4035 8.8 (DIN 439 A2/A4)
34	Bolt M10x40	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)
35	Spring Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7090 (DIN 127 A2/A4)
36	Bolt M8x30	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)

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Overground hydrant PN10 PN16

Model: WPFH80

Dimensions

Size	Model	Cover - cast iron details/ steel details	H	Rd	Weight (kg)
DN80	WPFH80/180B	blue painting/blue painting	1800	1000	34.9
DN80	WPFH80/180R	red painting/red painting	1800	1250	34.9
DN80	WPFH80/180BZn	blue painting/hot deep Zinc galvanazed	1800	1250	36.7
DN80	WPFH80/180RZn	red painting/hot deep Zinc galvanazed	1800	1250	36.7
DN80	WPFH80/180BSS	blue painting/stainless steel	1800	1250	34.7
DN80	WPFH80/180RSS	red painting/stainless steel	1800	1250	34.7
DN80	WPFH80/215B	blue painting/blue painting	2150	1250	38.8
DN80	WPFH80/215R	red painting/red painting	2150	1250	38.8
DN80	WPFH80/215BZn	blue painting/hot deep Zinc galvanazed	2150	1250	41
DN80	WPFH80/215RZn	red painting/hot deep Zinc galvanazed	2150	1250	41
DN80	WPFH80/215BSS	blue painting/stainless steel	2150	1250	38.6
DN80	WPFH80/215RSS	red painting/stainless steel	2150	1250	38.6

Overground hydrant PN10 PN16

Model: WPFH80-A



Features

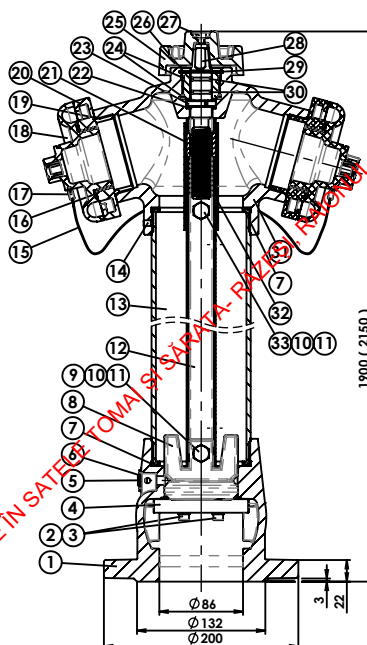
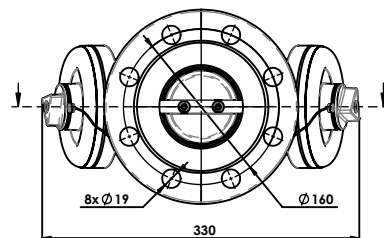
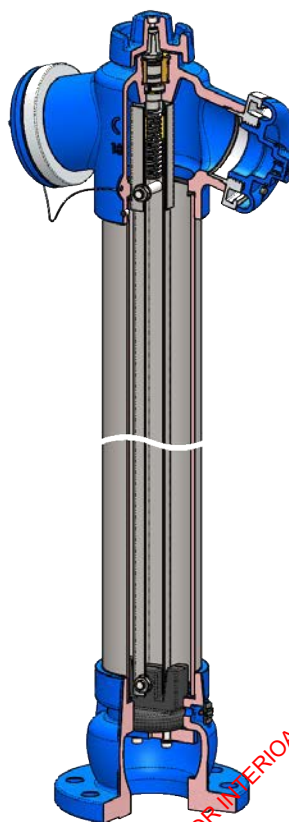
- Two outlets design
- Automatic drainage system - after closure, the emptying of the rest amount of water is performed automatically by means of releasing valve. It has automatically protection for the water froze in the pipes
- Single obturator closing system with fully vulcanized piston
- Possibility of trenchless repairs- replacement of the internal parts under the pressure with the obturator fully open
- High corrosion and UV resistance
- Fusion bonded epoxy coated inside and outside for the coating cast iron units, used to produce heavy-duty corrosion protection for valves and fittings according to DIN 30677-2 DIN 3476
- Product color: Red RAL 3000;Blue RAL 5005

Technical Specifications

- Design in compliance with EN 14384 EN 1074-6
- Nominal pressure designation: PN10/16
- Flanges: DN 80 EN1092-2 PN10/16
- Operating temperature: 0° C...+50° C
- Bulgarkontrola S.A.(EU Notified Body No 1814) has made a determination of the product type on the basis on the test type, using the System 1. Report of the results was delivered. Bulgarkontrola S.A. (EU Notified Body No 1814) issued a certificate of constancy of performance No 1814-CPR-241.

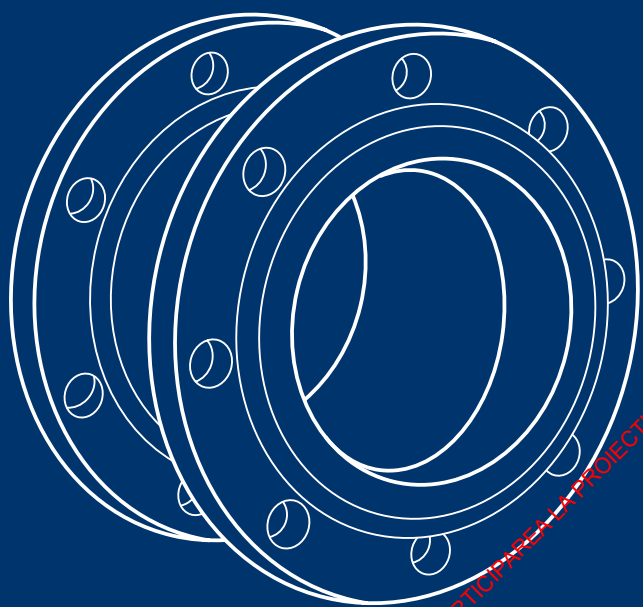
Optional Extras:

- Pillar material from constructional non-alloy steel hot-dip galvanized with Ni coating stainless steel.



Material Specifications

Item	Part name	Material	Grade -Main Material/ Option
1	Footing Base 80A	CGI	EN-GJL-250 (EN-JL1040) EN 1561
2	Spring Lock Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7090 (DIN 127 Form A A2/A4)
3	Bolt M6x30	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4762 8.8 (DIN 912 A2/A4)
4	Gude	CS	S235JR EN 10025-2
5	Cable tie 3,5x200	Polyamide Black	Polyamide Black EN ISO 1630-2
6	Screen	Polyethylene	HDPE EN ISO 17855-2
7	PIP Seal Ø 102-85x4	Rubber	EPDM EN 681-1
8	Obturator	CGI + Rubber	EN-GJL-250 (EN-JL1040) EN 1561 + EPDM 681-1
9	Bolt M10x40	CS galvanized	S235JR EN 10025-2 galvanized EN ISO 4017 4.6 (DIN 933)
10	Spring Lock Washer Ø 10	CS galvanized	S235JR EN 10025-2 galvanized EN ISO 7090 (DIN 127 Form A)
11	Nut M10	CS galvanized	S235JR EN 10025-2 galvanized EN ISO 4035 8.8 (DIN 439)
12	Connecting Stem	CS galvanized	S235JR EN 10025-2 galvanized
13	Pillar 80A	Non-alloy quality steel Ni galvanized	E235 (1.0308) EN 10296-1 Ni galvanized
14	Hexagone socket set screw with cone point	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4027 8.8 (DIN 914 A2/A4)
15	Steel Rope	SS	X5CrNiMo17-12-2 (1.4401) EN 10088-3
16	PIP Seal Ø 76-64x3/O-ring Ø 59x52	Rubber	EPDM EN 681-1
17	Lead Seal	Lead	
18	Storz Flange	Polyethylene / CGI	HDPE EN ISO 17855-2 / EN-GJL-250 (EN-JL1040) EN 1561
19	O-ring Ø 78x2.5	Rubber	EPDM EN 681-1
20	Storz Coupling Ø 75	Alluminium Alloy	ENAC-ALMg5(Si) (ENAC-51400) EN 1706 ISO 1051 B (DIN 660)
21	Cartridge Retainer Nut	Brass	CuZn39Pb3 (CW614N) EN 12164
22	Thrust Washer Ø 10.5	Brass	CuZn39Pb3 (CW614N) EN 12164
23	Segment	SS	X20Cr13 (1.4021) EN 10088-3
24	O-ring Ø 35x3.0	Rubber	EPDM EN 681-1
25	Swivel	CGI	EN-GJL-250 (EN-JL1040) EN 1561
26	Sealing Nut	Brass	CuZn39Pb3 (CW614N) EN 12164
27	Bolt M6x16	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4762 8.8 (DIN 912 A2/A4)
28	Stem	SS	X20Cr13 (1.4021) EN 10088-3
29	Circlip Ø 41x1.75	SS	X90CrMoV18 (1.4112) EN 10088-1 (UNI 7437 DIN 472)
30	O-ring Ø 15x2.5	Rubber	EPDM EN 681-1
31	Head DN80	CGI	EN-GJL-250 (EN-JL1040) EN 1561
32	Cartridge	CS galvanized	S235JR EN 10025-2 galvanized
33	Bolt M10x45	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4017 8.8 (DIN 933 A2/A4)



Rubber Expansion Joint

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Rubber Expansion Joint Single Sphere PN10 PN16 PN25

Model: RJ-SS-F-I

Technical Specifications

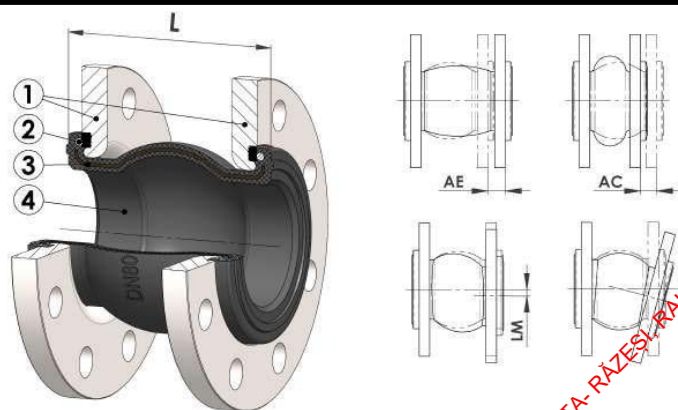
- Applicable for suction and delivery (discharge). Provides sound and vibration isolation
- Gaskets and packing are not required.
- Floating flanges allow for easy installation.
- Prevents piping system and equipment breakdown by absorbing and contraction caused by temperature variances.
- Absorbs water pulsation and minimizes water hammering.

Features

- Nominal pressure designation: PN10/16/25 *
- Flanges: EN1092-1 PN10/16/25 *
- * According to the dimensional chart below
- Temperature range 0°C...60°C

Optional Extras

- Fixed support or fixed bracket
- Flexible Escapement



Material Specifications

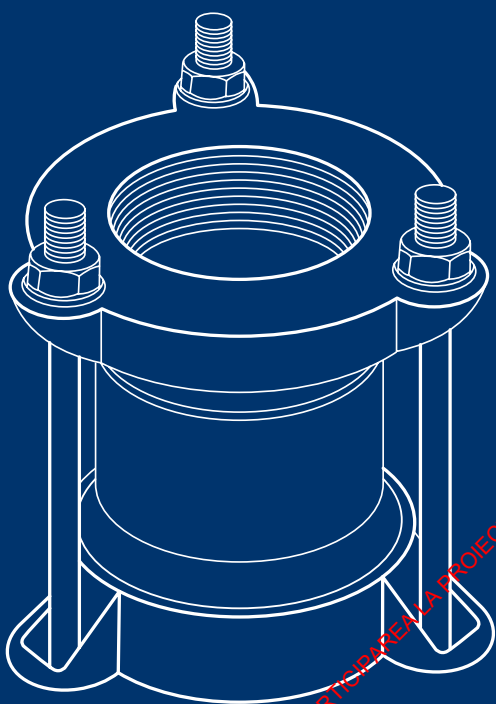
Item	Part Name	Material	Grade
1	Flanges	CS SS	S235JR (1.0038) EN 10136-2 X5CrNi16-10 (1.4301) EN 10088-3
2	Pressurized Ring	CS wire strand + Rubber	T346KS (2/1149) FO 21136-3+ NBR EN 681-1
3	Reinforcing key frame cord	Synthetic Nylon Fabric Fiber	Polyamide 6 PA EN ISO 16396-2
4	Body	Synthetic Rubber	EPDM EN 681-1/ NBR EN 681-1/ NR EN 681-1

Dimensions

Size	L				D			D2			b			n-Ød			Axial Elongation	Axial Compression	Lateral Movement	Angular Deflection
					PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25				
DN32	95	130	150	-	140	140	140	100	100	100	18	18	18	4-Ø18	4-Ø18	4-Ø18	6	9	9	15°
DN40	95	130	150	200	150	150	150	110	110	110	18	18	18	4-Ø18	4-Ø18	4-Ø18	6	10	9	15°
DN50	105	130	150	-	165	165	165	125	125	125	20	20	20	4-Ø18	4-Ø18	4-Ø18	7	10	10	15°
DN65	115	130	150	-	185	185	185	145	145	145	20	20	22	8-Ø18	8-Ø18	8-Ø18	7	13	11	15°
DN80	130	130	150	-	200	200	200	160	160	160	20	20	24	8-Ø18	8-Ø18	8-Ø18	8	15	12	15°
DN100	150	130	150	-	220	220	235	180	180	190	22	22	26	8-Ø18	8-Ø18	8-Ø22	10	19	13	15°
DN125	165	130	150	-	250	250	270	210	210	220	22	22	28	8-Ø18	8-Ø18	8-Ø26	12	19	13	15°
DN150	180	130	150	200	285	285	300	240	240	250	24	24	30	8-Ø22	8-Ø22	8-Ø26	12	20	14	15°
DN200	210	130	150	200	340	340	360	295	295	310	24	26	32	8-Ø22	12-Ø22	12-Ø26	16	25	22	15°
DN250	230	130	150	200	395	405	425	350	355	370	26	29	35	12-Ø22	12-Ø26	12-Ø30	16	25	22	15°
DN300	245	130	150	200	445	460	485	400	410	430	26	32	38	12-Ø22	12-Ø26	16-Ø30	16	25	22	15°
DN350	255	130	150	200	505	-	-	460	-	-	30	-	-	16-Ø22	-	-	16	25	22	15°
DN400	255	130	150	200	565	-	-	515	-	-	32	-	-	16-Ø26	-	-	16	25	22	15°
DN450	255	-	-	200	615	-	-	565	-	-	36	-	-	20-Ø26	-	-	16	25	22	15°
DN500	255	-	-	200	670	-	-	620	-	-	38	-	-	20-Ø26	-	-	16	25	22	15°
DN600	260	-	-	200	780	-	-	725	-	-	42	-	-	20-Ø30	-	-	16	25	22	15°
DN700	260	-	-	-	895	-	-	840	-	-	50	-	-	24-Ø30	-	-	16	25	22	15°
DN800	260	-	-	-	1015	-	-	950	-	-	56	-	-	24-Ø33	-	-	16	25	22	15°
DN900	260	-	-	-	1115	-	-	1050	-	-	62	-	-	28-Ø33	-	-	16	25	22	15°
DN1000	260	-	-	-	1230	-	-	1160	-	-	70	-	-	28-Ø36	-	-	18	26	24	15°
DN1200	260	-	-	-	1455	-	-	1380	-	-	83	-	-	32-Ø39	-	-	18	26	24	15°
DN1400	350	-	-	-	1675	-	-	1590	-	-	11	-	-	36-Ø42	-	-	20	25	26	15°
DN1600	350	-	-	-	1915	-	-	1820	-	-	11	-	-	40-Ø48	-	-	25	28	30	10°
DN1800	350	-	-	-	2115	-	-	2020	-	-	11	-	-	44-Ø48	-	-	25	35	30	10°
DN2000	420	-	-	-	2325	-	-	2230	-	-	11	-	-	48-Ø48	-	-	25	35	30	10°
DN2200	420	-	-	-	2550	-	-	2440	-	-	11	-	-	52-Ø56	-	-	25	35	30	10°
DN2400	420	-	-	-	2760	-	-	2650	-	-	11	-	-	56-Ø56	-	-	25	35	30	10°
DN2600	450	-	-	-	2960	-	-	2850	-	-	11	-	-	60-Ø56	-	-	25	35	30	10°
DN2800	450	-	-	-	3180	-	-	3070	-	-	11	-	-	64-Ø56	-	-	25	35	30	10°
DN3000	500	-	-	-	3405	-	-	3290	-	-	11	-	-	68-Ø62	-	-	25	35	30	10°

1) Data on request.

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Couplings & Fittings

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Universal Flange Adaptor PN10 PN16

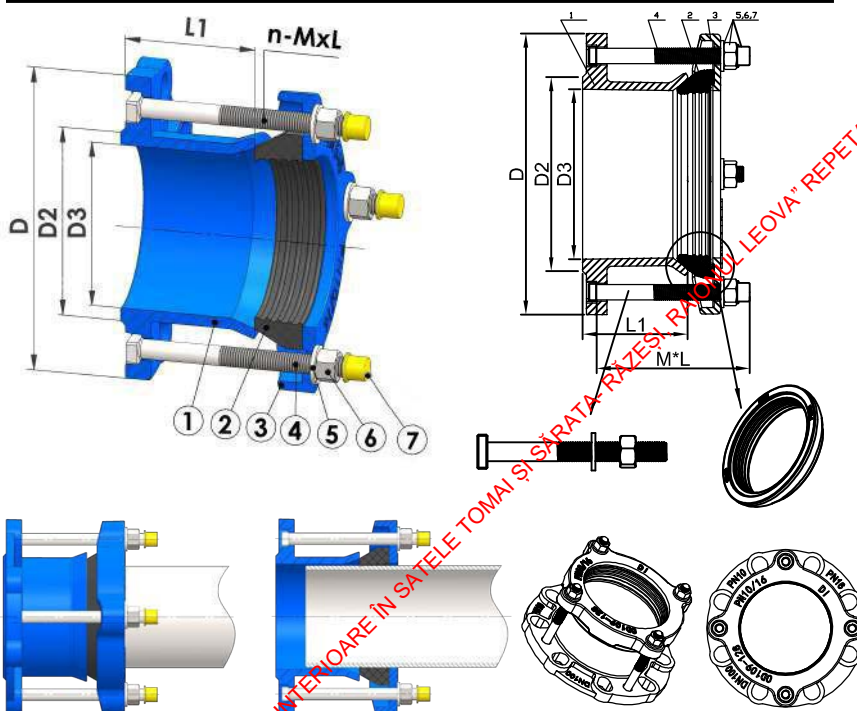
Model: FA-U-H

Features

- Designed for: DI Pipe, PVC/UPVC Pipe, Steel Pipe and Part AC Pipe
- High Tolerance Mechanical Pipe Fittings
- Angular deflection $\pm 6^\circ$
- For the Universal Flange Adaptors made by DI: Fusion bonded epoxy coated Inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to EN 14901, DIN 30677-2/DIN 3476
- Color: Blue RAL 5005
- All the fasteners complying with the characteristics for product grade C class 4.8 according to EN ISO 898-1, EN ISO 898-3
- All the fasteners are with non-electrolytically applied special Dacromet® coating according to EN ISO 10683.

Technical Specifications

- For the Universal Flange Adaptors made by DI: Design and marking: EN 545 Hydraulic test according to: EN 545 Determination test of the resistance to internal pressure according to EN ISO 1167-1 Test method for long-term leaktightness under internal water pressure according to EN ISO 13846
- For the Universal Flange Adaptors made by CS: Design, marking and hydraulic test acc. to: EN 10311
- Nominal pressure designation: PN10/16 bar
- Flanges from DI according to EN1092-2 PN10/16
- Flanges from CS according to EN1092-1 PN10/16



Material Specifications

Item	Part Name	Material	Specification
1	Body with flange	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
2	Rubber Seal	Rubber	EPDM EN 681-1
3	End Ring	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
4	Bolt	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 4762 8.8 (DIN 912)
5	Washer	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 7089 8.8 (DIN 125)
6	Nut	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 4032 8.8 (DIN 934)
7	Cap	Plastic	Vinil PVC-P EN ISO 24023-2

Dimensions

Size	Pipe O.D. (mm)	D	D2	D3	L1	M x L	Bolts Qty	Flange Designation PN10/PN16
DN40	48-60	150	84	64	82	M12*125	2	•
DN50	59-72	165	99	77	82	M12*125	2	•
DN65	72-85	185	108	90	82	M12*125	2	•
DN80	88-103	200	132	108	82	M12*125	4	•
DN100	109-128	220	156	133	82	M12*125	4	•
DN125	142-146	250	184	158	82	M12*140	4	•
DN125	138-153	250	184	158	82	M12*140	4	•
DN150	159-182	285	211	187	82	M12*140	4	•
DN200	192-210	340	266	215	82	M12*140	4	•
DN200	218-235	340	266	241	82	M12*140	4	•
DN250	242-262	405	319	273	82	M12*140	4	•
DN250	250-267	405	319	295	90	M12*140	6	•
DN250	272-289	405	319	295	90	M12*140	6	•
DN300	315-332	460	370	338	90	M12*150	6	•
DN300	322-339	460	370	345	90	M12*150	6	•
DN300	340-360	460	370	345	115	M14*180	6	•
DN350	351-378	520	425	380	115	M14*180	8	•
DN350	374-391	520	425	393	115	M14*180	8	•
DN400	398-429	580	477	432	115	M14*180	8	•
DN400	425-442	580	477	444	115	M14*180	8	•
DN500	476-493	620	550	498	115	M14*180	10	•
DN500	527-544	715	585	548	115	M14*180	10	•
DN600	630-647	840	682	650	115	M14*180	10	•

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Universal Flange Adaptor – Wide Range PN10 PN16

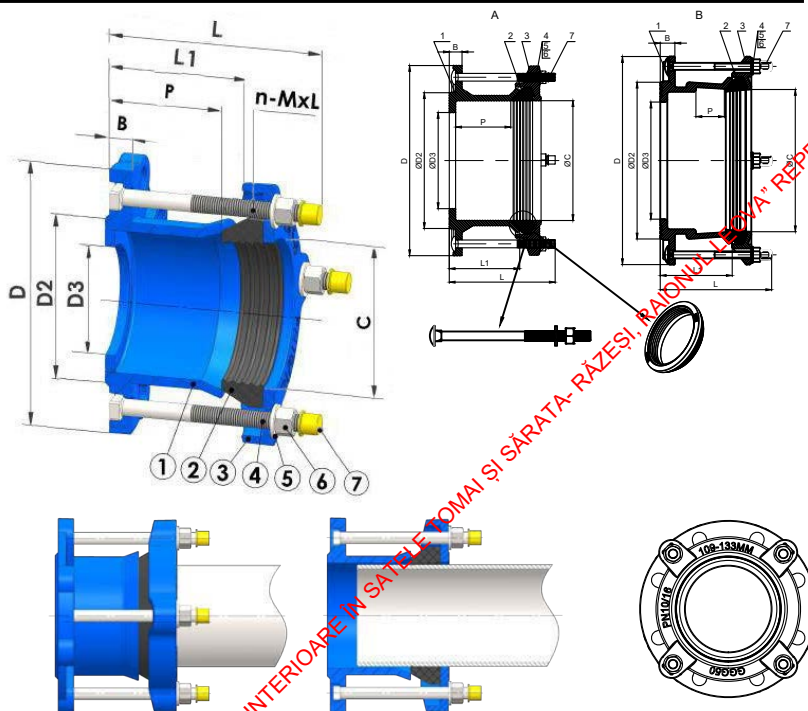
Model: FA-U-WR-H

Features

- Designed for: DI Pipe, PVC/UPVC Pipe, Steel Pipe and Part AC Pipe
- High Tolerance Mechanical Pipe Fittings
- Angular deflection $\pm 6^\circ$
- For the Universal Flange Adaptors made by DI: Fusion bonded epoxy coated Inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to EN 14901, DIN 30677-2/DIN 3476
- Color: Blue RAL 5005
- All the fasteners complying with the characteristics for product grade C class 4.8 according to EN ISO 898-1, EN ISO 898-3
- All the fasteners are with non-electrolytically applied special Dacromet® coating according to EN ISO 10683.

Technical Specifications

- For the Universal Flange Adaptors made by DI: Design and marking: EN 545 Hydraulic test according to: EN 545 Determination test of the resistance to internal pressure according to EN ISO 1167-1 Test method for long-term leaktightness under internal water pressure according to EN ISO 13846
- For the Universal Flange Adaptors made by CS: Design, marking and hydraulic test acc. to: EN 10311
- Nominal pressure designation: PN10/16 bar
- Flanges from DI according to EN1092-2 PN10/16
- Flanges from CS according to EN1092-1 PN10/16



Material Specifications

Item	Part Name	Material	Specification
1	Body with flange	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
2	Rubber Seal	Rubber	EPDM EN 681-1
3	End Ring	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
4	Bolt	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 4762 8.8 (DIN 912)
5	Washer	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 7089 8.8 (DIN 125)
6	Nut	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 4032 8.8 (DIN 934)
7	Cap	Plastic	Vinil PVC-P EN ISO 24023-2

Dimensions

Size	Pipe O.D. (mm)	Type	D	D2	D3	B	C	L	L1	P	M x L	Bolts Qty
DN50	58-74	B	169	97	50	20	76	160	100	44	M12 x 145	2
DN65	68-84	B	189	101	60	20	86	160	100	44	M12 x 145	2
DN80	84-105	B	200	127	80	20	107	160	100	44	M12 x 145	2
DN100	99-118	A	224	160	100	20	120	160	100	81	M12 x 145	4
DN100	109-133	A	230	160	110	20	135	160	105	80	M12 x 145	4
DN125	133-157	B	290	195	135	20	159	185	110	55	M12 x 170	4
DN150	157-182	B	285	215	156	20	185	185	110	45	M12 x 170	4
DN150	177-201	B	285	215	160	20	203	185	110	50	M12 x 170	4
DN200	194-215	A	345	256	200	24	217	185	120	95	M12 x 170	4
DN200	218-242	B	350	265	208	22	244	185	120	48	M12 x 170	4
DN250	242-268	A	405	325	250	27	270	185	120	95	M12 x 170	6
DN250	266-291	B	410	329	250	26	293	185	125	45	M12 x 170	6
DN250	280-305	B	420	330	250	28	307	190	120	45	M12 x 170	6
DN300	302-327	B	490	385	298	28	329	190	120	45	M12 x 170	8
DN300	324-350	B	455	375	310	24	352	210	140	60	M14 x 190	8
DN350	351-378	A	520	435	350	26	380	210	120	90	M14 x 190	8
DN350	386-410	B	520	435	360	26	412	210	140	61	M14 x 210	8
DN400	386-410	A	596	486	400	30	412	255	170	95	M14 x 240	10
DN400	410-436	B	575	485	408	28	438	230	150	123	M14 x 210	10
DN400	436-462	B	580	490	410	30	464	230	160	64	M14 x 210	10

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Universal Coupling PN10 PN16

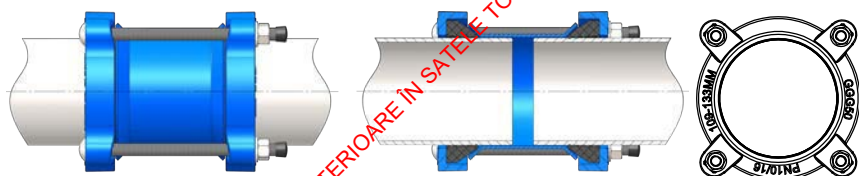
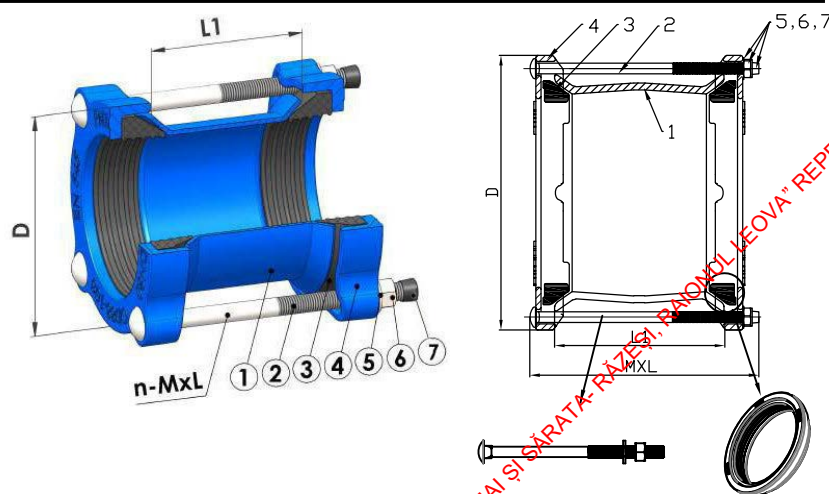
Model: C-U-H

Features

- Designed for: DI Pipe, PVC/UPVC Pipe, Steel Pipe and Part AC Pipe
- High Tolerance Mechanical Pipe Fittings
- Angular deflection $\pm 6^\circ$
- For the Universal Coupling made by DI: Fusion bonded epoxy coated Inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to EN 14901, DIN 30677-2/DIN 3476
- Color: Blue RAL 5005
- All the fasteners complying with the characteristics for product grade C class 4.8 according to EN ISO 898-1, EN ISO 898-3
- All the fasteners are with non-electrolytically applied special Dacromet® coating according to EN ISO 10683.

Technical Specifications

- For the Universal Coupling made by DI: Design and marking: EN 545 Hydraulic test according to: EN 545 Determination test of the resistance to internal pressure according to EN ISO 1167-1 Test method for long-term leaktightness under internal water pressure according to EN ISO 13846
- For the Universal Coupling made by CS: Design, marking and hydraulic test acc. to: EN 10311
- Nominal pressure designation: PN10/16 bar



Material Specifications

Item	Part Name	Material	Specification
1	Center Sleeve Body	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
2	Bolt	CS Dacromet®-plated	S235JR (1.0038) Dacromet®-plated EN 10025-2 EN ISO 4762 8.8 (DIN 912)
3	Rubber Seal	Rubber	EPDM EN 681-1
4	End Ring	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
5	Washer	CS Dacromet®-plated	S235JR (1.0038) Dacromet®-plated EN 10025-2 EN ISO 7089 8.8 (DIN 125)
6	Nut	CS Dacromet®-plated	S235JR (1.0038) Dacromet®-plated EN 10025-2 EN ISO 4032 8.8 (DIN 934)
7	Cap	Plastic	Vinil PVC-P EN ISO 24023-2

Dimensions

Size	Pipe O.D. (mm)	D	L1		M x L		Bolts Qty
			Short sleeve	Long sleeve	Short sleeve	Long sleeve	
DN40	48-60	155	95	190	M12 x 170	M12 x 260	2
DN50	59-75	165	95	190	M12 x 170	M12 x 260	2
DN65	70-85	180	95	190	M12 x 170	M12 x 260	2
DN80	88-103	185	95	190	M12 x 180	M12 x 280	4
DN100	109-128	225	95	190	M12 x 180	M12 x 280	4
DN125	132-153	250	95	190	M12 x 180	M12 x 280	4
DN150	159-182	275	110	190	M12 x 210	M12 x 280	4
DN175	192-210	305	130	190	M12 x 220	M12 x 280	4
DN200	218-235	315	130	190	M12 x 220	M12 x 280	4
DN225	242-267	350	130	245	M12 x 220	M12 x 350	4
DN250	272-289	395	130	245	M12 x 220	M12 x 350	6
DN300	315-332	450	130	245	M12 x 220	M12 x 350	6
DN300	322-339	460	130	245	M12 x 220	M12 x 350	6
DN350	351-378	510	130	245	M14 x 235	M14 x 350	8
DN350	374-391	520	130	245	M14 x 235	M14 x 350	8
DN400	398-429	550	130	245	M14 x 235	M14 x 350	8
DN400	425-442	565	130	245	M14 x 235	M14 x 350	8
DN450	476-493	615	130	245	M14 x 235	M14 x 350	10
DN500	527-544	665	130	245	M14 x 235	M14 x 350	10
DN600	630-647	770	130	245	M14 x 235	M14 x 350	10

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Restrained Flange Adaptor for PE/PVC Pipes PN10 PN16

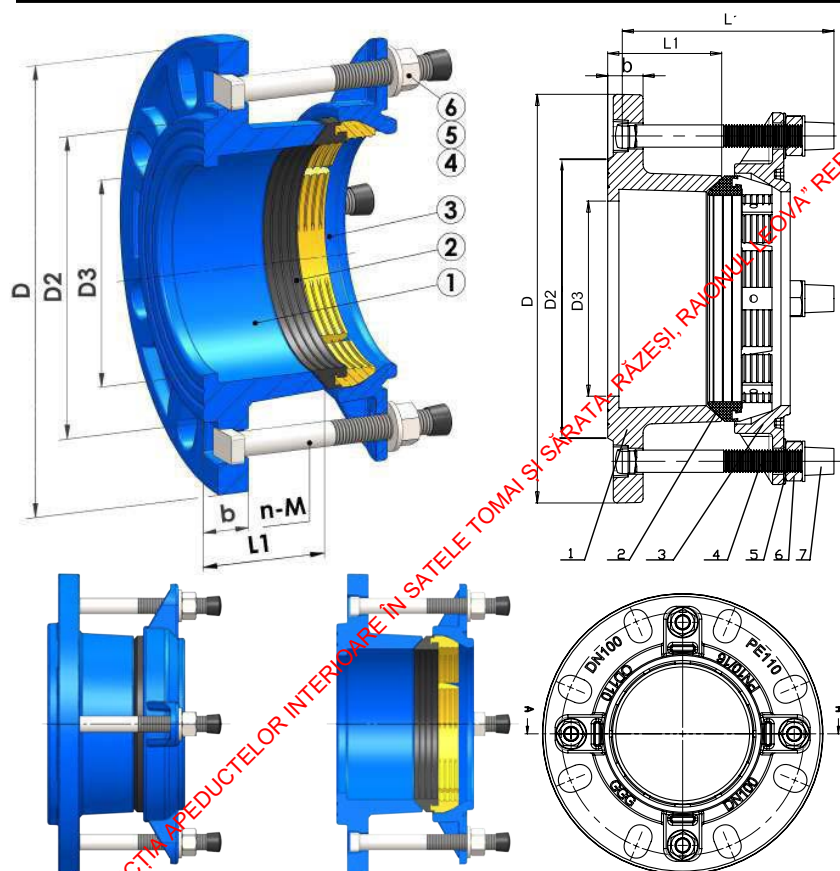
Model: FA-PE-H

Features

- Designed for: PE/PVC Pipes
- Tensile resistant flange adaptor with an end load resistant mechanism, combined brass ring and rubber seals with grips
- Angular deflection $\pm 3^\circ$
- For the Restrained Flange Adaptors made by DI: Fusion bonded epoxy coated inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to EN 14901, DIN 30677-2 DIN 3476
- Color: Blue RAL 5005
- All the fasteners complying with the characteristics for product grade C class 4.8 according to EN ISO 898-1, EN ISO 898-3
- All the fasteners are with non-electrolytically applied special Dacromet® coating according to EN ISO 10683.

Technical Specifications

- For the Restrained Flange Adaptors made by DI: Design and marking: EN 12842 Hydraulic test according to: EN 12842 Determination test of the resistance to internal pressure according to EN ISO 1167-1 Test method for long-term leaktightness under internal water pressure according to EN ISO 13846
- For the Restrained Flange Adaptors made by CS: Design, marking and hydraulic test acc. to: EN 10311
- Nominal pressure designation: PN10/16 bar
- Flanges from DI according to EN1092-2 PN10/16
- Flanges from CS according to EN1092-1 PN10/16



Material Specifications

Item	Part Name	Material	Specification
1	Body with flange	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
2	Sealing Ring	Brass + Rubber	CuZn36Pb2As (CW602N) EN 12167 + EPDM EN 681-1
3	End Ring Bracket	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
4	Bolt	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 4762 8.8 (DIN 912)
5	Washer	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 7089 8.8 (DIN 125)
6	Nut	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 4032 8.8 (DIN 934)
7	Cap	Plastic	Vinil PVC-P EN ISO 24023-2

Dimensions

Size	Pipe O.D. (mm)	D3	D	b	L1	M × L	Bolts Qty	Flange Designation PN10/PN16
DN40	50	50	165	18	63	M12 × 115	2	•
DN50	63	55	180	18	63	M12 × 115	4	•
DN65	75	66	180	18	63	M12 × 115	2	•
DN80	90	84	200	18	63	M12 × 115	4	•
DN100	110	105	220	18	63	M12 × 115	4	•
DN125	125	125	250	18	63	M12 × 115	4	•
DN150	160	154	285	18	63	M12 × 125	4	•
DN200	200	200	340	18	63	M14 × 130	4	•
DN200	225	210	340	23	82	M16 × 155	4	•
DN250	250	250	400	26	82	M16 × 155	6	•
DN300	280	275	400	26	88	M16 × 155	6	•
DN300	315	302	455	26	88	M16 × 155	6	•

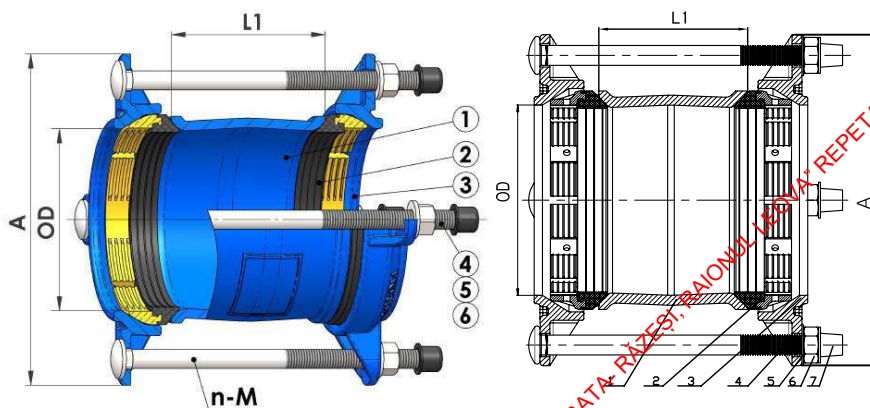
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Restrained Coupling for PE/PVC Pipes PN10 PN16

Model: C-PE-H

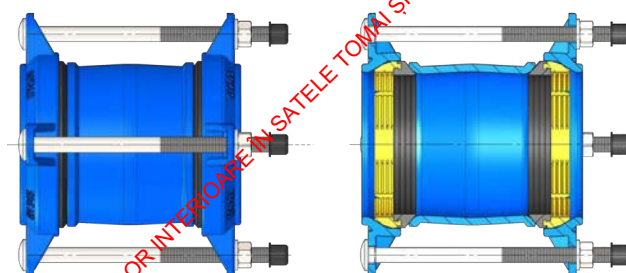
Features

- Designed for: PE/PVC Pipes
- Tensile resistant coupling with two ends load resistant mechanisms, combined brass ring and rubber seals with grip
- Angular deflection $\pm 6^\circ$
- For the Restrained Couplings made by DI:
Fusion bonded epoxy coated inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to EN 14901, DIN 30677-2/DIN 3476
- Color: Blue RAL 5005
- All the fasteners complying with the characteristics for product grade C class 4.8 according to EN ISO 898-1, EN ISO 898-3
- All the fasteners are with non-electrolytically applied special Dacromet® coating according to EN ISO 10683.



Technical Specifications

- For the Restrained Coupling made by DI:
Design and marking: EN 12842
Hydraulic test according to: EN 12842
Determination test of the resistance to internal pressure according to EN ISO 1167-1
Test method for long-term leaktightness under internal water pressure according to EN ISO 13846
- For the Restrained Couplings made by CS:
Design, marking and hydraulic test acc. to: EN 10311
- Nominal pressure designation: PN10/16 bar



Material Specifications

Item	Part Name	Material	Specification
1	Center Sleeve Body	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
2	Sealing Ring	Brass + Rubber	CuZn36Pb2As (CW602N) EN 12167 + EPDM EN 681-1
3	End Ring	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
4	Bolt	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 4762 8.8 (DIN 912)
5	Washer	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 7089 8.8 (DIN 125)
6	Nut	CS Dacromet® -plated	S235JR (1.0038) Dacromet® -plated EN 10025-2 EN ISO 4032 8.8 (DIN 934)
7	Cap	Plastic	Vinil PVC-P EN ISO 24023-2

Dimensions

Size	Pipe PE	Pipe O.D. (mm)	A	M x L1	Bolts Qty
DN50	63	66	150	M12 x 95	4
DN65	75	78	150	M12 x 95	2
DN80	90	93	180	M12 x 95	4
DN100	110	113	200	M12 x 95	4
DN125	125	128	240	M12 x 95	4
DN150	160	163	270	M14 x 95	4
DN200	200	205	325	M14 x 105	4
DN200	225	230	325	M16 x 135	4
DN250	250	255	380	M16 x 135	6
DN250	280	285	380	M16 x 135	6
DN300	315	320	420	M16 x 180	6

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Dismantling Joint PN10 PN16

Model: DJ-U-H

Features

- Adjusting in longitudinal axis for the desired length.
- Adjustable enough gap by help of studs and nuts.
- Face to face adjustment possibility $\Delta L = \pm 25\text{mm}$
- For the Dismantling Joints made by DI:
Fusion bonded epoxy coated inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to EN 14901/DIN 30677-2/DIN 3476
- Color: Blue RAL 5005
- All the fasteners complying with the characteristics for product grade C class 4.8 according to EN ISO 898-1,898-3
- All the fasteners are with non-electrolytically applied coating according to EN ISO 10683.

Technical Specifications

- For the Dismantling Joints made by DI:
Design and marking: EN 545
Hydraulic test according to: EN 545
Determination test of the resistance to internal pressure according to EN ISO 1167-1
Test method for long-term leaktightness under internal water pressure according to EN ISO 13846
- For the Dismantling Joints made by CS:
Design, marking and hydraulic test acc. to: EN 10311
- Nominal pressure designation: PN10/16 bar
- Flanges from DI according to EN1092-2 PN10/16
- Flanges from CS according to EN1092-1 PN10/16

Material Specifications

Item	Part Name	Material	Specification
1	Washer	CS Zinc-plated	S235JR (1.0038) Zn-plated EN 10025-2 EN ISO 7089 8.8 (DIN 125)
2	Nut	CS Zinc-plated	S235JR (1.0038) Zn-plated EN 10025-2 EN ISO 4032 8.8 (DIN 934)
3	Stud	CS Zinc-plated	S235JR (1.0038) Zn-plated EN 10025-2 UNI 6610 8.8 (DIN 976)
4	Long Flange Body	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
5	Middle Flange	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2
6	Sealing Ring	Rubber	EPDM EN 681-1
7	Short Outer Flange Body	DI CS	EN-GJS-500-7 (5.3200) EN 1563 S235JR EN 10025-2

Dimensions

DN	I.D.	O.D.	D		D1		D2		b		n-Ød		Studs		L	L1	ΔL	No. of Tie-bars acc. to % restraining		
			PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16				25%	50%	100%
50	65	66	165	165	125	125	99	99	19	19	4-Ø19	4-Ø19	M16	M16	205	310	± 25	-	-	4
65	80	82	185	185	145	145	118	118	19	19	4-Ø19	4-Ø19	M16	M16	205	310	± 25	-	-	4
80	83	98	200	200	160	160	132	132	19	19	8-Ø19	8-Ø19	M16	M16	205	340	± 25	-	4	8
100	101	118	220	220	180	180	156	156	19	19	8-Ø19	8-Ø19	M16	M16	205	340	± 25	-	4	8
150	154	170	285	285	240	240	211	211	19	19	8-Ø23	8-Ø23	M20	M20	205	340	± 25	-	4	8
200	206.5	222	340	340	295	295	266	266	20	20	8-Ø23	12-Ø23	M20	M20	215	350	± 25	3	6	12
250	258	274	395	405	350	355	319	319	22	22	12-Ø23	12-Ø28	M20	M24	220	380	± 25	3	6	12
300	307	326	445	460	400	410	370	370	24.5	24.5	12-Ø23	12-Ø28	M20	M24	240	400	± 25	3	6	12
350	359	378	505	520	460	470	429	429	24.5	26.5	16-Ø23	16-Ø28	M20	M24	240	410	± 25	4	8	16
400	408	429	565	580	515	525	480	480	24.5	28	16-Ø28	16-Ø31	M24	M27	250	430	± 25	4	8	16
450	456	480	615	640	565	585	530	548	25.5	30	20-Ø28	20-Ø31	M24	M27	265	450	± 25	5	10	20
500	508	532	670	715	620	650	562	609	26.5	31.5	20-Ø28	20-Ø34	M24	M30	275	460	± 25	5	10	20
600	613.4	635	780	840	725	770	682	720	30	36	20-Ø31	20-Ø37	M27	M33	295	500	± 25	5	10	20
700	711	738	895	910	840	840	794	794	32.5	39.5	24-Ø31	24-Ø37	M27	M33	300	500	± 25	6	12	24
800	817	842	1015	1025	950	950	901	901	35	43	24-Ø34	24-Ø41	M30	M36	320	530	± 25	6	12	24
900	911	945	1115	1125	1050	1050	1001	1001	37.5	46.5	28-Ø34	28-Ø41	M30	M36	320	530	± 25	7	14	28
1000	1012	1048	1230	1255	1160	1170	1112	1112	40	50	28-Ø37	28-Ø44	M33	M39	330	570	± 25	7	14	28
1200	1216	1255	1455	1485	1380	1390	1328	1328	45	57	32-Ø41	32-Ø50	M36	M45	350	620	± 25	8	16	32
1400	1420	1462	1675	1685	1590	1590	1530	1530	46	60	36-Ø39	36-Ø50	M39	M45	380	630	± 25	9	18	36
1500	1520	1565	1785	1820	1700	1710	1640	1640	47.5	62.5	36-Ø39	36-Ø57	M39	M52	400	665	± 25	9	18	36
1600	1620	1668	1915	1930	1820	1820	1750	1750	49	65	40-Ø45	40-Ø57	M45	M52	400	700	± 25	10	20	40
1800	1820	1875	2115	2130	2020	2020	1950	1950	52	70	44-Ø45	44-Ø57	M45	M52	420	730	± 25	11	22	44
2000	2020	2082	2325	2345	2230	2230	2150	2150	55	75	48-Ø45	48-Ø62	M45	M56	460	880	± 25	12	24	48

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Dismantling Joint PN10 PN16 PN25 PN40

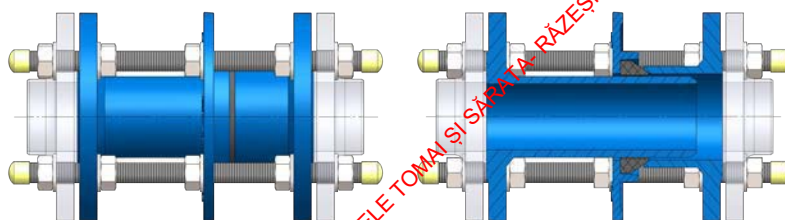
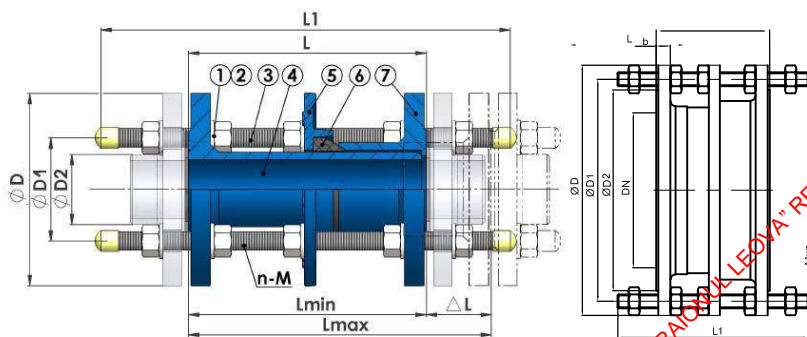
Model: DJ-U-D

Features

- Adjusting in longitudinal axis for the desired length.
- Adjustable enough gap by help of studs and nuts.
- Face to face adjustment possibility $\Delta L = \pm 25\text{mm}$
- For the Dismantling Joints made by DI:
Fusion bonded epoxy coated inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to EN 14901, DIN 30677-2, DIN 3476 Color: Blue RAL 5005
- All the fasteners complying with the characteristics for product grade C class 4.8 according to EN ISO 898-1, 898-3
- All the fasteners are with non-electrolytically applied coating according to EN ISO 10683.

Technical Specifications

- For the Dismantling Joints made by DI:
Design and marking: EN 545
Hydraulic test according to: EN 545
Determination test of the resistance to internal pressure according to EN ISO 1167-1
Test method for long-term leaktightness under internal water pressure according to EN ISO 13846
- For the Dismantling Joints made by CS, SS and NAB:
Design, marking and hydraulic test acc. to: EN 10311
- Nominal pressure designation: PN10/16/25/40 bar
- Flanges from DI according to EN1092-2 PN10/16/25/40
- Flanges from CS, SS, according to EN1092-1 PN10/16/25/40
- Flanges from NAB, according to EN1092-3 PN10/16/25/40
- Half stud and full stud option available upon request.



Material Specifications

Item	Part Name	Material	Specification
1	Washer	CS Zinc-plated SS *	S235JR (1.0038) Zn-plated EN 10025-2 EN ISO 7089 8.8 (DIN 125) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
2	Nut	CS Zinc-plated SS *	S235JR (1.0038) Zn-plated EN 10025-2 EN ISO 7089 8.8 (DIN 934) X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 4032 8.8 (DIN 934 A2/A4)
3	Stud	CS Zinc-plated SS *	S235JR (1.0038) Zn-plated EN 10025-2 UNI 6610 8.8 (DIN 976) X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 UNI 6610 8.8 (DIN 976)
4	Long Flange Body	DI CS * SS * NAB *	EN-GJS-400-15 (5.3106) EN 1563 S235JR (1.0038) EN 10025-2 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN12165
5	Middle Retaining Flange	DI CS * SS * NAB *	EN-GJS-400-15 (5.3106) EN 1563 S235JR (1.0038) EN 10025-2 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN12165
6	Sealing Ring	Rubber	EPDM EN 681-1
7	Short Outer Flange Body	DI CS * SS * NAB *	EN-GJS-400-15 (5.3106) EN 1563 S235JR (1.0038) EN 10025-2 X5CrNi18-10 (1.4301) EN 10088-3 CuAl10Ni5Fe4 (CW307G) EN12165

* Optional material upon request.

Dimensions

DN	D				D1				D2				b				n-M				L (acc. to PN)				L1 (acc. to PN)			
	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	PN10	PN16	PN25	PN40	10	16	25	40	10	16	25	40
80	200	200	200	200	160	160	160	160	132	132	132	132	19	19	19	19	8-M16	8-M16	8-M16	8-M16	160	160	160	160	270	270	270	270
100	220	220	220	220	180	180	180	180	156	156	156	156	19	19	19	19	8-M16	8-M16	8-M20	8-M20	175	175	180	180	290	290	290	290
125	250	250	270	270	210	210	220	220	184	184	184	184	19	19	19	23.5	8-M16	8-M16	8-M24	8-M24	180	180	195	195	300	300	340	340
150	285	285	300	300	240	240	250	250	211	211	211	211	19	19	20	26	8-M20	8-M20	8-M24	8-M24	180	180	180	195	300	300	320	340
200	340	340	360	375	295	295	310	320	266	266	274	284	20	20	22	30	8-M20	12-M20	12-M24	12-M27	200	200	200	210	340	340	340	370
250	395	405	425	450	350	355	370	385	319	319	330	345	22	22	24.5	34.5	12-M20	12-M24	12-M27	12-M30	205	205	210	230	355	355	360	410
300	445	460	485	515	400	410	430	450	370	370	389	409	24.5	24.5	27.5	39.5	12-M20	12-M24	16-M27	16-M30	220	220	220	250	360	360	370	440
350	505	520	555	580	460	470	490	510	429	429	448	465	24.5	26.5	30	44	16-M20	16-M24	16-M27	16-M33	225	225	230	270	355	375	410	470
400	565	580	620	660	515	525	550	585	480	480	503	535	24.5	28	32	48	16-M24	16-M27	16-M33	16-M36	235	235	240	280	395	425	430	500
450	615	640	670	685	565	585	600	610	530	548	548	560	25.5	30	34.5	49	20-M24	20-M27	20-M33	20-M36	235	235	250	290	395	425	435	510
500	670	715	730	755	620	650	660	670	562	609	609	615	26.5	31.5	36.5	52	20-M24	20-M30	20-M33	20-M39	245	245	255	300	395	435	440	530
600	780	840	845	890	725	770	770	795	682	720	720	735	30	36	42	58	20-M27	20-M33	20-M36	20-M45	270	270	285	345	440	480	485	605
700	895	910	960	995	840	840	875	900	794	794	820	840	32.5	39.5	46.5	64	24-M27	24-M33	24-M39	24-M45	275	275	310	385	445	475	520	695
800	1015	1025	1085	1140	950	950	990	1030	901	901	928	960	35	43	51	70	24-M30	24-M36	24-M45	24-M52	300	300	320	390	490	520	550	700
900	1115	1125	1185	-	1050	1050	1090	-	1001	1001	1028	-	37.5	46.5	55.5	-	28-M30	28-M36	28-M45	-	300	300	325	-	490	520	555	-
1000	1230	1255	1320	-	1160	1170	1210	-	1112	1112	1140	-	40	50	60	-	28-M33	28-M39	28-M52	-	340	340	370	-	560	560	635	-
1100	1340	1355	-	-	1270	1270	-	-	1218	1218	-	-	42.5	53.5	-	-	32-M33	32-M39	-	-	340	340	-	-	560	560	-	-
1200	1455	1485	-	-	1380	1390	-	-	1328	1328	-	-	45	57	-	-	32-M36	32-M45	-	-	360	360	-	-	600	600	-	-
1300	1) 1)	1) 1)	-	-	1) 1)	1) 1)	-	-	1) 1)	1) 1)	-	-	1) 1)	1) 1)	-	-	1) 1)	1) 1)	-	-	370	370	-	-	630	630	-	-
1400	1675	1685	-	-	1590	1590	-	-	1530	1530	-	-	46	60	-	-	36-M39	36-M45	-	-	380	380	-	-	630	630	-	-
1500	1785	1820	1865	1) 1)	1700	1710	1750	1) 1)	1640	1640	1678	1) 1)	47.5	62.5	77.5	1) 1)	36-M39	36-M52	36-M56	1) 1)	390	390	470	550	700	700	800	950
1600	1915	1930	1975	-	1820	1820	1860	-	1750	1750	1780	-	49	65	70	-	40-M45	40-M52	40-M56	-	390	390	470	-	700	700	800	-
1800	2115	2130	-	-	2020	2020	-	-	1950	1950	-	-	52	70	-	-	44-M45	44-M52	-	-	450	450	-	-	750	750	-	-
2000	2325	2345	2425	-	2230	2230	2300	-	2150	2150	2210	-	55	75	80	-	48-M45	48-M56	48-M64	-	450	450	520	-	750	800	920	-
2200	1) 1)	1) 1)	-	-	1) 1)	1) 1)	-	-	1) 1)	1) 1)	-	-	1) 1)	1) 1)	-	-	1) 1)	1) 1)	-	-	450	450	-	-	750	800	-	-
2600	1) 1)	-	-	-	1) 1)	-	-	-	1) 1)	-	-	-	1) 1)	-	-	-	1) 1)	-	-	-	450	-	-	-	750	-	-	-

1) Data on request.

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Tapping Saddle for PE/PVC Pipes PN10 PN16

Model: TS-PE-W

Features

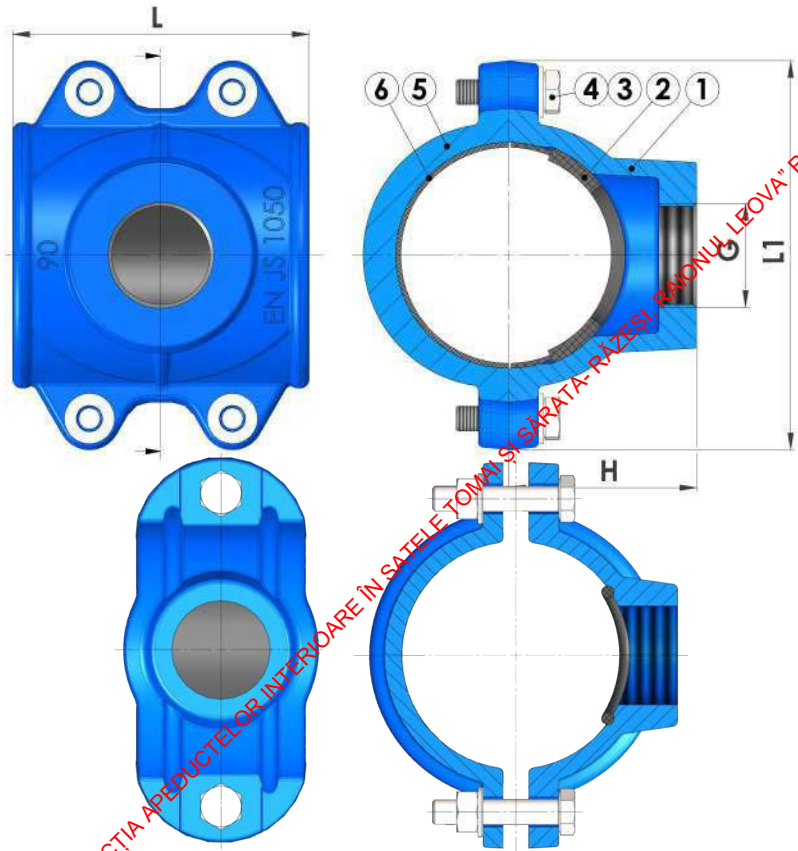
- Designed for: PE/PVC Pipes
- Single or Dual grip
- Fusion bonded epoxy coated Inside and outside for the coating units used to produce heavy-duty corrosion protection for valves and fittings according to EN 14901, DIN 30677-2, DIN 3476
- Color: Blue RAL 5005
- All the fasteners complying with the characteristics for product grade C class 4.8 according to EN ISO 898-1, EN ISO 898-3

Technical Specifications

- Design and marking: EN 12842
- Hydraulic test according to EN 12842
- Determination test of the resistance to internal pressure according to EN ISO 1167-1
- Test method for long-term leaktightness under internal water pressure according to EN ISO 13846
- Nominal pressure designation: PN10/16

Additional Options

- The Universal Tapping Saddle upon request



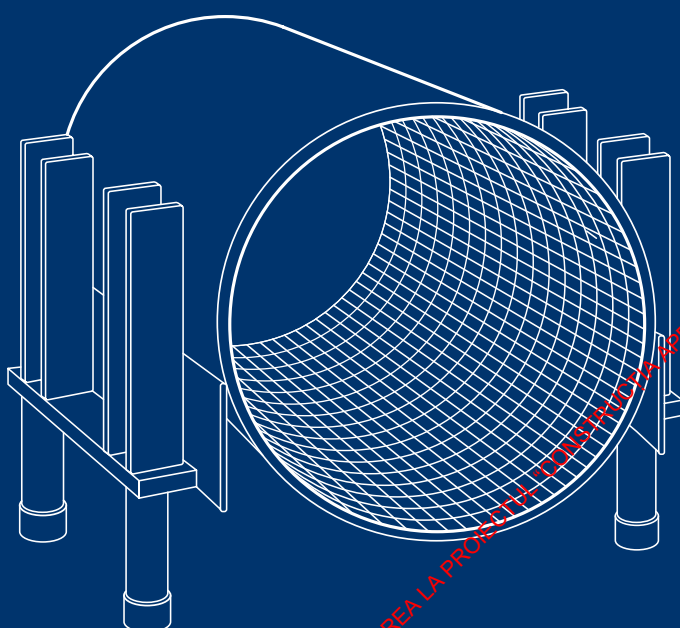
Material Specifications

Item	Part Name	Material	Specification
1	Upper Body	DI	EN-GJS-500-7 (5.3200) EN 1563
2	Rubber Seal	Rubber	EPDM EN 681-1
3	Bolt	SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
4	Washer	SS	X5CrNi18-10 A2 (1.4301) EN ISO 3506-1 EN ISO 7089 (DIN 125 A2/A4)
5	Lower Body	DI	EN-GJS-500-7 (5.3200) EN 1563
6	Rubber Plate	Rubber	EPDM EN 681-1

Dimensions

Pipe OD	ØD	L	L1	H
50	G 3/4" 1"	100	122	50
63	G 3/4" 1" 1 1/4" 1 1/2" 2"	100	136	58
75	G 3/4" 1" 1 1/4" 1 1/2" 2"	120	145	75
90	G 3/4" 1" 1 1/4" 1 1/2" 2"	120	156	77
110	G 3/4" 1" 1 1/4" 1 1/2" 2"	140	185	88
125	G 3/4" 1" 1 1/4" 1 1/2" 2"	140	200	96
140	G 3/4" 1" 1 1/4" 1 1/2" 2"	140	225	105
160	G 3/4" 1" 1 1/4" 1 1/2" 2"	170	240	113
200	G 1" 1 1/4" 1 1/2" 2" 2 1/2" 3"	200	310	133
250	G 1" 1 1/4" 1 1/2" 2" 2 1/2" 3"	200	360	158
315	G 1" 1 1/4" 1 1/2" 2" 2 1/2" 3"	200	440	191

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Repair Clamps

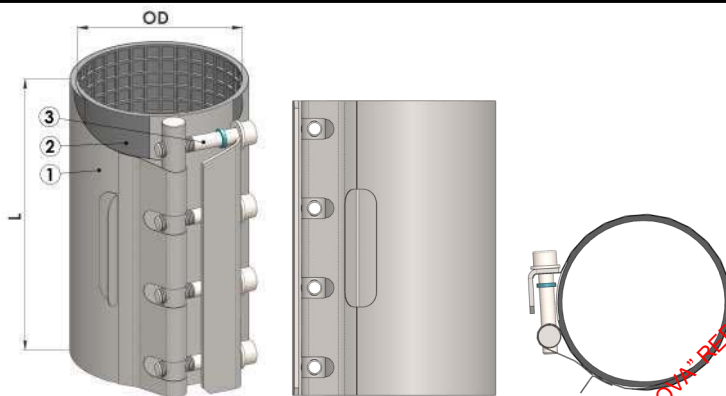
ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU PARTICIPAREA LA PROIECT "CONSTRUCȚIA ȘI REPARAREA REDUCTELOR INTERIOARE ÎN SATELE TOMAI ȘI SĂRATA-RAZES, RAIONUL LEOVA" REPETAT 2025

Repair Clamps Single Band

Model: RC-SB- M

Features

- Special leak proof design - the body of the clamp and the integrated gasket provide an overlapping type of connection on the tube after locking the plates for easy installation and absolute sealing
- Integrated entirely over the whole sealing clamp body gasket specially shaped as a reinforced embossed mesh with a layer thickness of 6 mm $\pm$ 0,5 mm and a tapered end
- The closing end is designed to allow tolerance of up to 20 mm outer diameter of the pipes with no sharp edges or angles



Material Specifications

Item	Part Name	Material	Grade
1	Body with Hinge	SS	X5CrNi18-10 (1.4301) EN 10088-3
2	Gasket Screened	Rubber	EPDM EN 681-1
3	Bolt, Washer	SS	Y6D29-21 B3-81 (2/5412) FO JTP 4617-2 FO JTP 5143 9/9 (EJO : 45 B30B5)
		SS	X5CrNi18-10 A2-70 (1.4301) EN ISO 3506-1 EN ISO 4014 8.8 (DIN 931 A2/A4)
		SS	Y6D29-21 B3 (2/5412) FO JTP 4617-2 FO JTP 5143 9/9 (EJO : 45 B30B5)

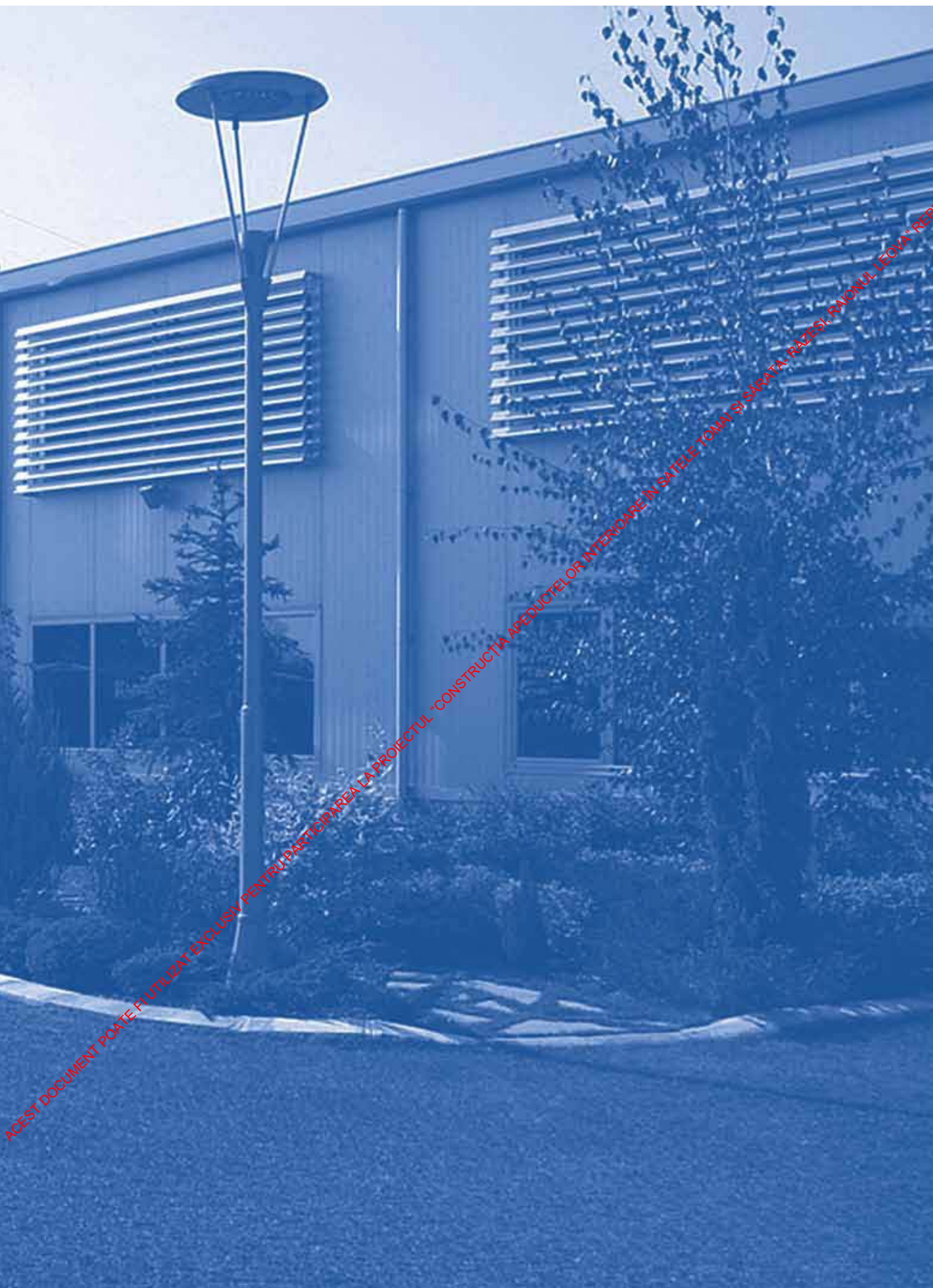
Dimensions

WP	Working range	clamp length, mm									
bar	mm	80	130	140	200	210	250	300	350	400	500
16	20-25	•									
16	25-30	•									
16	30-35	•									
16	40-45		•								
16	45-50		•								
16	60-65		•								
16	73-80		•	•	•		•				
16	76-83			•	•		•				
16	87-94			•	•		•				
16	95-102			•	•		•				
16	102-112			•	•		•				
16	113-123			•			•				
16	118-128			•	•		•				
16	125-135			•	•		•				
16	135-145			•	•		•				
16	145-155			•	•		•				
16	151-161			•	•		•	•	•	•	•
16	165-175				•		•	•	•	•	•
16	176-186				•		•	•	•	•	•
16	187-198				•		•	•	•	•	•
16	199-214				•		•	•	•	•	•
16	215-222				•		•	•	•	•	•
16	223-229				•		•	•	•	•	•
16	230-240				•		•	•	•	•	•
16	237-247				•		•	•	•	•	•
16	248-255					•		•	•	•	•
16	270-280					•	•	•	•	•	•
16	281-291					•	•	•	•	•	•
16	308-314					•		•	•	•	•
16	314-320					•		•	•	•	•
16	320-330					•		•	•	•	•
16	330-340					•		•	•	•	•
16	340-350					•		•	•	•	•
16	350-360					•		•	•	•	•
16	365-385					•		•	•	•	•
16	386-396					•		•	•	•	•
16	396-420					•		•	•	•	•
16	420-440					•		•	•	•	•
16	440-450					•		•	•	•	•
16	450-470					•		•	•	•	•
16	495-505					•		•	•	•	•
16	520-540					•		•	•	•	•
16	545-555					•		•	•	•	•
16	555-565					•		•	•	•	•
16	630-650					•		•	•	•	•

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ACEST DOCUMENT POATE FI UTILIZAT EXCLUSIV PENTRU PARTICIPAREA LA PROIECTUL "CONSTRUCTIA APEDUCTELOR INTERIOARE IN SATUL TOMA SI SATUL PACES, RAIONUL LEOWA" REPETAT 2025"



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BUREAU
VERITAS

Bureau Veritas Certification

WATO BG LTD.

South Industrial Zone, building „WATO“, 6100, Kazanlak, Bulgaria

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 45001:2018

Scope of certification

**Design, manufacture and sales of valves, fittings
and accessories for water supply systems.**

Original cycle start date:	28-07-2020
Expiry date of previous cycle:	NA
Certification / Recertification Audit date:	NA
Certification / Recertification cycle start date:	25-07-2023
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	27-07-2026

Certificate No.: **BG003102**

Version: 1

Issue date: 25-07-2023

Rayna Zlatarova



0008

Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local Office: 81A, Bulgaria Blvd., 1404 Sofia, Bulgaria

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +359 (2) 983 60 00

UKAS Certificate Template Single Site Rev.3.10

22 Mar 2023





BUREAU
VERITAS

Bureau Veritas Certification

WATO BG LTD

South Industrial Zone, building WATO, 6100, Kazanlak, Bulgaria

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

**Design, manufacture and sales of
valves, fittings and accessories for water supply systems.**

Original cycle start date:	24-07-2012
Expiry date of previous cycle:	NA
Certification / Recertification Audit date:	NA
Certification / Recertification cycle start date:	15-07-2024
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	23-07-2027

Certificate No.: **BG003818**

Version: 1

Issue date: 15-07-2024

Rayna Hlatarova



0008

Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local Office: 81A, Bulgaria Blvd., 1404 Sofia, Bulgaria

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +359 (2) 983 60 00

UKAS Certificate Template Single Site Rev.4.1

28 Aug 2023





BUREAU
VERITAS

Bureau Veritas Certification

WATO BG LTD

South Industrial Zone, building WATO, 6100, Kazanlak, Bulgaria

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 14001:2015

Scope of certification

**Design, manufacture and sales of
valves, fittings and accessories for water supply systems.**

Original cycle start date:	27-08-2012
Expiry date of previous cycle:	NA
Certification / Recertification Audit date:	NA
Certification / Recertification cycle start date:	15-07-2024
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	26-08-2027

Certificate No.: **BG003819**

Version: 1

Issue date: 15-07-2024

Rayna Zlatarova



0008

Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local Office: 81A, Bulgaria Blvd., 1404 Sofia, Bulgaria

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +359 (2) 983 60 00

UKAS Certificate Template Single Site Rev.4.1

28 Aug 2023



Declaration of performance

N° SV-B-H

For construction product	Service valve
1. Unique identification code of the product-type:	Service valve model SV-B-H acc. to EN 1074-2:2000 DN 20 - DN 50 (PN 10 - PN 16)
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):	see inspection certificate
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	For servicing water transport systems for transporting, diverting and storing water as isolating valves with a threaded connection between pipes and fittings
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):	WATO BG Ltd South Industrial Zone, building Wato P.O. Box 3, 6100 Kazanlak, BULGARIA
5. Where applicable, name and contact address of the authorised representative whose mandate covers tasks specified in Article 12(2):	Industrial Parts Ltd South Industrial Zone, building Industrial Parts P.O. Box 24, 6100 Kazanlak, BULGARIA
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	System 1
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:	The notified body BULGARKONTROLA S.A. Notified body NB 1814 has performed the initial type testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control, and performs the continuous surveillance, assessment and approval of the factory production control. The notified body has issued a corresponding certificate № 14 - НРВСПСРБ -2490

8. Declared performance:

Essential characteristics	Performance		Harmonized technical specification
	Requirements	Results	
4.1 Materials	EN-JS-1050(EN-GJS-500-7)		EN 1563:2011
4.2 DN	≤ 2000 mm	in accordance	EN 805:2000
4.3 Pressures	PN = 6;10;16;25 bar	in accordance	EN 1074-1:2000 Section 4. 3 Table 1
4.4 Temperatures	Tmin = -20°C Tmax = 70°C	in accordance	EN 1074-1:2000 Section 4. 4
4.5 Design of the shell and obturator	according PFA, PMA and PEA	in accordance	EN 1074-1:2000 Section 4. 3 Table 1
4.6 End types and interchangeability	Basic series 14	in accordance	EN 558:2017
4.7. Operating direction	clockwise	in accordance	EN 1074-1:2000 Section 4. 7
4.8 Maximum water velocity	Fv=2,5;3;4;5 m/s acc. to PFA	in accordance	EN 1074-1:2000 Section. 4. 8 Table 2
4.9 All materials, including lubricants, in contact with water intended for human consumption	Not affect its organoleptic, physico-chemical and microbiological characteristics as defined in the Bulgarian National Regulation	in accordance	EN 1074-1:2000 Section 4. 9
4.10 Internal corrosion and ageing resistance	epoxy coating	in accordance	EN 1074-1:2000 Section 4. 10
4.11 External corrosion and ageing resistance	epoxy coating	in accordance	EN 1074-1:2000 Section 4. 11
5.1.1 Resistance to internal pressure of the shell and of all pressure containing components	No damage and leakage at pressure PEA=1,5x PN (bar)	pass	EN 1074-1:2000 Section 5. 1.1
5.1.2 Resistance of the obturator to differential pressure	No damage and leakage at pressure PEA=1,5x PN (bar)	pass	EN 1074-1:2000 Section 5. 1.2
5.1.3 Resistance of valves to bending	Show no visually detectable external leakage and leakage rate at the obturator not higher than that immediately above the seat leakage rate specified for new valves for working diameters from DN 50 to 500 mm and bendings moments M from 1050 to 33000 Nm	pass	EN 1074-1:2000 Section 5. 1.3 EN 1074-1:2000 Annex C EN 1074-2:2000 Section 5. 1.3 Table 1

5.1.4 Resistance of valves to operating loads (mST)	Without any damage of operated obturator in the fully open and in the fully closed positions. Minimum strength torque $mST = 2 \times MOT$ (Nm), where MOT- maximum operating torque	pass	EN 1074-1:2000 Section 5. 1.4
5.2.1 Leak-tightness of the shell and of all pressure containing components 5.2.1.1 Leak-tightness to internal pressure 5.2.1.2 Leak-tightness to external pressure	No damage and leakage at pressure $PEA = 1,5 \times PN$ (bar) No damage and leakage at pressure $PEA = 1,5 \times PN$ (bar)	pass	EN 12266-1:2012 EN 1074-1:2000 Section 5. 2.1.1 EN 1074-1:2000 Section. 5. 2.1.2 EN 1074-1:2000 Annex D
5.2.2.1 Seat tightness at high differential pressure	Without exceeding the leaks according to rates A to F at pressure $PEA = 1,1 \times PN$ (bar)	pass	EN 12266-1:2012
5.2.2.2 Seat tightness at low differential pressure	Without exceeding the leaks according to rates A to F at pressure $PEA = 1,1 \times PN$ (bar) under a differential water pressure of 0,5 bar	pass	EN 12266-1:2012
5.2.3 Maximum operating torque (MOT) for operation and leak-tightness	For gate valves delivered : -without an operating element: $MOT = 1 \times DN$ (Nm) -with an operating element handwheel : $MOT = 0,5 \times F \times D$ (Nm), where F-maximum operating manual force (N) D- handwheel diameter (mm) -with an operating element lever: $MOT = F \times L$ (Nm), where F-maximum operating manual force (N) L- lever length (mm) -with an operating element electrically, hydraulically or pneumatically operated: MOT = value given by the manufacturer	in accordance	EN 12570:2000 EN 1074-1:2000 Section 5. 2.3 EN 1074-2:2000 Section 5. 2.3
5.2.4 Leak-tightness of gearboxes to external pressure	class IP 68, with immersion under 3 m head of water for 3 h.	in accordance	EN 60529:1991 EN 1074-1:2000 Section 5. 2.4
5.3 Hydraulic or airflow characteristics	K_v = the flow coefficient value given by the manufacturer	in accordance	EN 1267:2012 EN 1074-1:2000 Section 5. 3
5.4 Resistance to disinfection products	Without exhibit of any deterioration of its components and passing the seat tightness test in accordance with 5.2.2.1 and 5.2.2.2	in accordance	EN 805:2000 EN 1074-1:2000 Section 5. 4 EN 1074-1:2000 Annex E
5.5 Endurance	No damage and leakage at application of a torque $\leq 1,2$ MOT with the same leakage rate or equal to MOT with leakage allowed to increase by one rate. Test for number of opening/closing cycles:: manually operated valves: 250 cycles electrically, hydraulically or pneumatically operated valves: 2 500 cycles.	in accordance	EN 1074-2:2000 Section 5. 5 EN 1074-2:2000 Annex D

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:
Kazanlak , 23 January 2018 r.

Miroslav Markov
General Manager:



Extension spindles for Service and Gate Valves

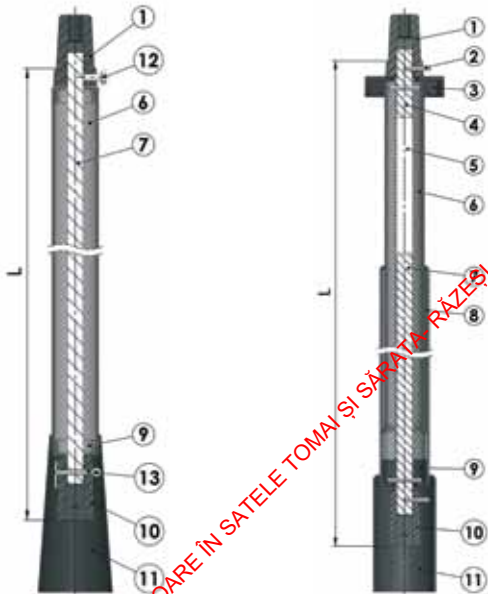
MODEL: GV-ES-W

Features

- Easy access to underground mounted service and gate valves
- Protection against excessive vertical stress
- Fixed and telescopic options available

Optional Extras

- Adaptor for T-key
- Adaptor for stem



Material Specifications

Item	Part Name	Material	Grade
1	Adaptor for T-key	GI	EN-GJL-300 EN 1561
2	Spring pin	Spring Steel	EN ISO 8752
3	Collar	Plastic	PS EN ISO 1622-1
4	Short square	Steel	S235JR EN 10025-2
5	Square tube	Steel	S235JR EN 10025-2
6	Inner tube	Plastic	PVC-U EN ISO 1401-1/PE EN 12201-2
7	Long square	Steel	S235JR EN 10025-2
8	Outer tube	Plastic	PVC-U EN ISO 1401-1
9	Cap	Plastic	PE EN ISO 17855-1/PS EN ISO 1622-1
10	Adaptor for stem	GI	EN-GJL-300 EN 1561
11	Bell	Plastic	PE EN ISO 17855-1/PS EN ISO 1622-1
12	Bolt	Stainless steel	EN ISO 4017
13	Splint pin	Stainless steel	EN ISO 1234

Dimensions

Telescopic extension spindle (L=mm)					
DN	550-800	700-1100	800-1200	1000-1650	1400-2200
20 – 150	•	•	•	•	•
200 – 300	•	•	•	•	•
Fixed length extension spindle (L=mm)					
DN	800	1000	1250	1500	
20 - 150	•	•	•	•	
200 - 300	•	•	•	•	

Different length available on request

Service Valve

MODEL: SV-B-H

Features

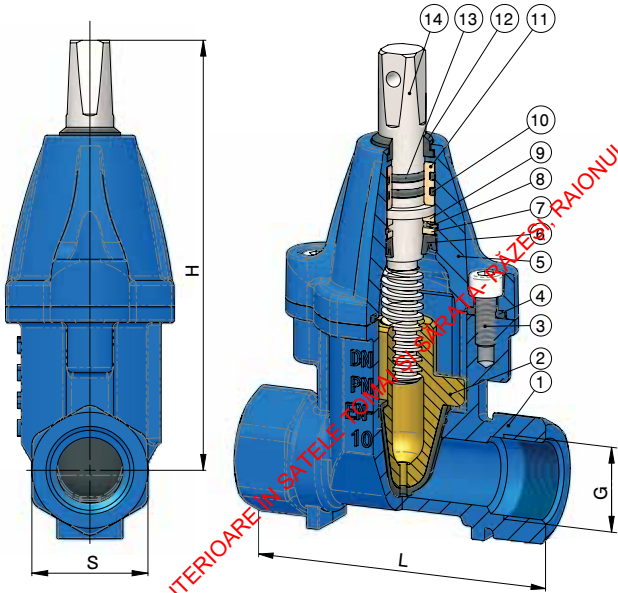
- Bolt Bonnet
- Low torque operation
- Rubber encapsulated wedge
- Clockwise closing direction
- Fusion bonded epoxy coated Inside and outside
- Product color: Blue RAL 5005 or RAL 5017
- Maximum temperature 80°C
- Minimum strength torque (mST) equal to three times maximum operation torque (MOT) according EN 1074-1

Technical Specifications

- Design: EN 1074-1 and 2; EN 1171
 - Hydraulic test: EN12266-1
- Seat Test Pressure: 17.6 bar
Shell Test Pressure: 24 bar
Operating torque test
- Nominal pressure designation PN16 bar

Optional Extras

- Stem Cap
- Extension Spindle / T Key



Material Specifications

Item	Part Name	Material	Grade
1	Body	Ductile iron	EN-JS-1050(EN-GJS-500-7) EN 1563
2	Wedge	Brass+Rubber	CW602 N (CuZn36Pb2As) EN 12167 + EPDM EN 681-1
3	Bolt	Stainless steel	1.4301(X5CrNi18-10) EN 10088-3
4	Gasket	Rubber	EPDM EN 681-1
5	Bonnet	Ductile Iron	EN-JS-1050(EN-GJS-500-7) EN 1563
6	Seal	Rubber	EPDM EN 681-1
7	Washer	Plastic	PA(Nylon) EN ISO 1874
8	Circlip	Stainless steel	1.4112 (X90CrMoV18) EN 10088-1
9	Thrust washer	Plastic	PA(Nylon) EN ISO 1874
10	O-ring	Rubber	EPDM EN 681-1
11	Seal bushing	Plastic	PA(Nylon) EN ISO 1874
12	Dust guard	Rubber	NBR EN 681-1
13	O-ring	Rubber	EPDM EN 681-1
14	Stem	Stainless steel	1.4021(X20Cr13) EN 10088-3

Dimensions

Size	L	S	G	H
DN20	115	45	3/4"	166
DN25	115	45	1"	166
DN32	130	50	1 1/4"	175
DN40	150	60	1 1/2"	196
DN50	178	70	2"	216



This certifies that

WATO BG LTD

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

SERIES 14 & 15 RANGE OF GATE VALVES: DN50-400

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

April 2028

Certificate No.

2304355

A handwritten signature in blue ink, appearing to read "Ian Hughes", written over a horizontal line.

Ian Hughes,
WRAS Approvals Manager

MANUFACTURER AUTHORIZATION LETTER

[This authorization must be issued on the official letterhead of the Manufacturer and signed by a person authorized to legally represent the Manufacturer in the tender procedure.]

Date: 17.07.2025

Tender Ref.: No. ocds-b3wdp1-MD-1751366846099 "Construction of internal water supply systems in the villages of Tomai and Sărata-Răzeși, Leova district"

To: South Regional Development Agency

We, **BLUCAST UAB**, legally represented by Valdas Gulbinas, in the capacity of export manager having our production facilities located at Prasiskiu str. 42, Didzioji Riese, LT-14332 Vilnius, Lithuania, hereby expressly, irrevocably, and unequivocally authorize **SC Montex-Gaz SRL in association with AM Sisteme SRL**, with registered office at [full address of the bidder], to submit a complete offer within the above-mentioned tender procedure, for the supply of the following products manufactured by us: **Cast iron fittings and gate valves.**

Furthermore, we confirm and unconditionally authorize that **SC Montex-Gaz SRL in association with AM Sisteme SRL** has our permission to:

- submit the technical documentation related to the products;
- provide the sanitary, technical, and conformity certificates and approvals;
- install and commission the mentioned products.

This authorization is issued with full legal commitment and responsibility on our part, solely for the purpose of participating in this public procurement procedure.

Signed by: Valdas Gulbinas

In the capacity of: Export Manager

Signature:

Stamp:


BLUCAST ®
JOINT STOCK COMPANY
Prašiškių g. 42, Vanaginė, 14332, Vilniaus r. sav.
VAT No. LT100007083115, ID302824991

ÎMPUTERNICIRE PRODUCĂTOR

Data: 17.07.2025

Ref. Licitatie: Nr. ocds-b3wdp1-MD-1751366846099 " Construcția apeductelor interioare în satele Tomai și Sărata- Răzeși, raionul Leova"

Către: Agenția de Dezvoltare Regională Sud

Prin prezenta, **noi, BLUCAST UAB**, legal reprezentați prin **Valdas Gulbinas** în calitate de export manager, având facilitățile de producție în Prasiskiu str. 42, Didzioji Riese, LT-14332 Vilnius, Lithuania, împuternicim în mod expres, irevocabil și fără echivoc pe **SC Montex-Gaz SRL în asociere cu AM Sisteme SRL**, cu sediul în **Strada Mircești, 60, Municipiul Chișinău, Republica Moldova**, să depună o ofertă completă în cadrul licitației sus-menționate, pentru furnizarea următoarelor produse fabricate de către noi: **Fitinguri din fontă și Vane sertar cauciucate.**

Totodată, confirmăm și autorizăm fără rezerve ca **SC Montex-Gaz SRL în asociere cu AM Sisteme SRL** are permisiunea noastră sa:

- prezinte documentația tehnică aferenta produselor;
- furnizeze certificatele și avizele sanitare, tehnice și de conformitate;
- puna în operă produsele menționate.

Această împuternicire este emisă cu deplină asumare juridică și angajament din partea noastră, în scopul exclusiv al participării la prezenta procedură de achiziție publică.

Semnat de: Valdas Gulbinas

În calitate de: Export Manager

Semnătura:

Ștampila:


BLUCAST ®
JOINT STOCK COMPANY
Prašiškų g. 42, Vanaginė, 14332, Vilniaus r. sav.
VAT No. LT100007083115, ID302824991

© T2ASUL
YNAFMOC K00TS TMIOL
Prašiškių g. 42, Vanaginė, 14332, Vilniaus r. sav.
VAT No. LT100007083115, ID302824991

**ROBINEȚI ȘI FITINGURI DIN
FONTA DUCTILA**
2021



PREZENTAREA COMPANIEI

BLUCAST, Societate pe acțiuni, înființată în 2007, este axată pe dezvoltarea de produse de înaltă calitate, de lungă durată și cu întreținere redusă pentru rețelele de alimentare cu apă.

Dezvoltarea dinamică a companiei noastre și gama de producție în continuă creștere, introducerea de noi tehnologii și metode de management au dus la creșterea competitivității companiei noastre atât din punct de vedere al calității, cât și al prețului.

Scopul companiei noastre este de a oferi piețelor produse de înaltă calitate, care să asigure o longevitate maximă în sectorul nostru și costuri de întreținere reduse, menținând în același timp prețuri competitive.

Acest lucru asigură protecția consumatorului împotriva costurilor irelevante.

Prețul corect este angajamentul nostru față de ei.

Știm, pentru aceeași sumă este posibil să se finalizeze mai multe proiecte și să se ajungă la mai mulți consumatori cu apă curată.

Mai mult, ne străduim să finalizăm mai multe proiecte de rețea de apă cu aceleași fonduri pentru a ne asigura că și mai mulți oameni pot experimenta beneficiile apei curate în casa lor.



CUPRINS

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ADAPTORI FLANȘĂ ȘI CUPLAJE 20

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CERTIFICATE 31

ROBINET SERTAR PANA PN16 (F4)seria115



APLICAȚII

Robinet cu sertar pană pentru apă potabilă și lichide neutre până la 70°C

CARACTERISTICI DE PROIECTARE

Tijă din oțel inoxidabil neascendentă
Pasaj liber
Închidere cu cuplu redus
Închidere în sensul acelor de ceasornic

Pană ghidată pentru a asigura etanșarea corectă
100% etanș
Fără zone de reținere
Piuliță pană înlocuibilă

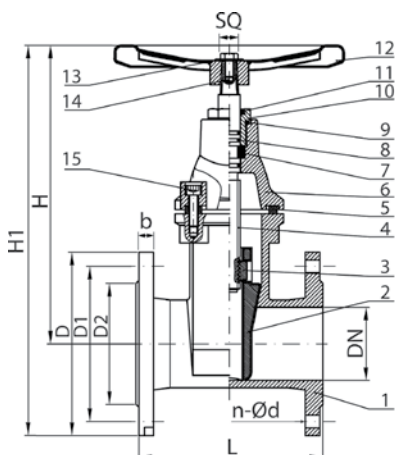
CARACTERISTICI TEHNICE

Număr certificat ACS - 18 ACC LY 702
Proiectat în conformitate cu EN1074 și EN1171
Dimensiuni față în față conform EN 558-1 seria 14 și DIN3202 (F4)
Conexiuni la capătul flanșei conform EN1092-2: PN10 și PN16
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Pană complet vulcanizată în EPDM conform EN681
Șuruburi din oțel inoxidabil
Culoare RAL5015
Acoperire cu pulbere epoxidică de minimum 250 μm grosime

OPERARE



DN	Găurire flanșă	L	H	H1	D	D1	D2	b	n-Ød	SQ	KG	BLUGAST Nr. de ref.
40	PN10/16	140	220	295	150	110	84	16	4-Ø19	14	9	115040
50	PN10/16	150	230	312,5	165	125	99	16	4-Ø19	14	10,6	115050
65	PN10/16	170	265	357,5	185	145	118	16	4-Ø19	14	11	115065
80	PN10/16	180	290	390	200	160	132	16	8-Ø19	14	12,6	115080
80	PN10/16	180	290	390	200	160	132	16	4-Ø19	14	12,6	115H080
100	PN10/16	190	335	445	220	180	156	16	8-Ø19	17	18	115100
125	PN10/16	200	380	505	250	210	184	16	8-Ø19	19	26,9	115125
150	PN10/16	210	415	557,5	285	240	211	16	8-Ø23	19	30,2	115150
200	PN10	230	510	680	340	295	266	17	8-Ø23	19	53	115200
200	PN16	230	510	680	340	295	266	17	12-Ø23	19	53	115P200
250	PN10	250	600	800	400	350	319	19	12-Ø23	24	73,5	115250
250	PN16	250	600	800	400	355	319	19	12-Ø28	24	73,5	115P250
300	PN10	270	690	917,5	455	400	370	20,5	12-Ø23	27	107,4	115300
300	PN16	270	690	917,5	455	410	370	20,5	12-Ø28	27	107,4	115P300
350	PN10	290	790	1042,5	505	460	429	22,5	16-Ø23	27	158,4	115350
350	PN16	290	790	1050	520	470	429	22,5	16-Ø28	27	158,4	115P350
400	PN10	310	855	1137,5	565	515	480	24	16-Ø28	27	201	115400
400	PN16	310	855	1145	580	525	480	24	16-Ø31	27	201	115P400
500	PN10	350	1072	1407	670	620	582	31,5	20-Ø28	32	344	115500
500	PN16	350	1072	1429,5	715	650	609	31,5	20-Ø34	32	344	115P500
600	PN10	390	1228	1618	780	725	682	36	20-Ø31	32	543	115600
600	PN16	390	1228	1648	840	770	720	36	20-Ø37	32	543	115P600



Nr.	Articol	Material
1	Corp	EN-GJS-500-7
2	Pană	EN-GJS-500-7, EPDM
3	Piuliță tijă	din alamă
4	Tijă	AISI420
5	Garnitură de etanșare	EPDM
6	Capac	EN-GJS-500-7
7	Inel de localizare	din alamă
8	Inel de etanșare	EPDM
9	Inel de etanșare	EPDM
10	Piuliță de etanșare	din alamă
11	Inel de etanșare	EPDM
12	Roată de mână	EN-GJS-500-7
13	Șaibă	AISI304
14	Șurub	AISI304
15	Șurub	AISI304

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.

ROBINET SERTAR PANA pentru actuator electric PN16 (F4) seria 15E



APLICAȚII

Robinet de închidere cu flanșă pentru apă potabilă și lichide neutre până la 70°C

CARACTERISTICI DE PROIECTARE

Tijă din oțel inoxidabil neascendentă
Pasaj liber
Închidere cu cuplu redus
Închidere în sensul acelor de ceasornic

Pană ghidată pentru a asigura etanșarea corectă
100% etanș
Fără zone de reținere
Flanșă superioară ISO5210 pentru montarea unui actuator

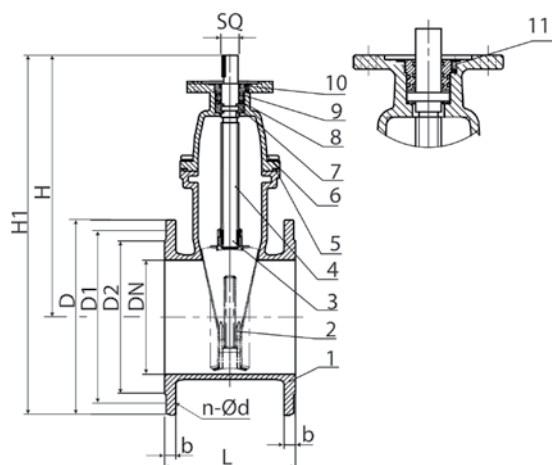
CARACTERISTICI TEHNICE

Numărul certificatului ACS - 18 ACC LY 702
Proiectare în conformitate cu EN1074 și EN1171
Dimensiuni față în față conform EN 558-1 seria 14 și DIN3202 (F4)
Conexiuni la capătul flanșei conform EN1092-2: PN10 și PN16
Conexiune flanșă superioară conform ISO5210
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Pană complet vulcanizată în EPDM conform EN681
Șuruburi din oțel inoxidabil
Culoare RAL5015
Acoperire cu pulbere epoxidică de minimum 250 μm grosime

OPERARE



DN	Găurire flanșă	L	H	H1	D	D1	D2	b	n-Ød	Flanșă superioară ISO5210	SQ	Cuplu (Nm)	KG	BLUCAST Nr. de ref.
40	PN10/16	140	220	295	150	110	84	16	4-Ø19	F10	20	30	9,9	115E050
50	PN10/16	150	230	312,5	165	125	99	16	4-Ø19	F10	20	40	11,66	115E050
65	PN10/16	170	265	357,5	185	145	118	16	4-Ø19	F10	20	60	12,1	115E065
80	PN10/16	180	290	390	200	160	132	16	8-Ø19	F10	20	60	13,86	115E080
100	PN10/16	190	335	445	220	180	156	16	8-Ø19	F10	20	80	19,8	115E100
125	PN10/16	200	380	505	250	210	184	16	8-Ø19	F10	20	100	29,59	115E125
150	PN10/16	210	415	557,5	285	240	211	16	8-Ø23	F10	20	125	33,22	115E150
200	PN10	230	510	680	340	295	266	17	8-Ø23	F14	30	150	58,3	115E200
200	PN16	230	510	680	340	295	266	17	12-Ø23	F14	30	150	58,3	115EP200
250	PN10	250	600	800	400	350	319	19	12-Ø23	F14	30	200	81	115E250
250	PN16	250	600	800	400	355	319	19	12-Ø28	F14	30	200	81	115EP250
300	PN10	270	690	917,5	455	400	370	20,5	12-Ø23	F14	30	250	118	115E300
300	PN16	270	690	917,5	455	410	370	20,5	12-Ø28	F14	30	250	118	115EP300
350	PN10	290	790	1042,5	505	460	429	22,5	16-Ø23	F14	30	300	174	115E350
350	PN16	290	790	1050	520	470	429	22,5	16-Ø28	F14	30	300	174	115EP350
400	PN10	310	855	1137,5	565	515	480	24	16-Ø28	F14	30	350	221	115E400
400	PN16	310	855	1145	580	525	480	24	16-Ø31	F14	30	350	221	115EP400
500	PN10	350	1072	1407	670	620	582	31,5	20-Ø28	F16	35	500	379	115E500
500	PN16	350	1072	1429,5	715	650	609	31,5	20-Ø34	F16	35	500	379	115EP500
600	PN10	390	1228	1618	780	725	682	36	20-Ø31	F16	35	650	597	115E600
600	PN16	390	1228	1648	840	770	720	36	20-Ø37	F16	35	650	597	115EP600



Nr.	Articol	Material
1	Corp	EN-GJS-500-7
2	Pană	EN-GJS-500-7, EPDM
3	Piuliță tijă	din alamă
4	Tijă	AISI420
5	Garnitură de etanșare	EPDM
6	Capac	EN-GJS-500-7
7	Inel de localizare	din alamă
8	Inel O	EPDM
9	Inel O	EPDM
10	Garnitură	din alamă
11	Șurub	AISI304

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



ROBINET DE CONCESIE FILETAT PN16 seria 010



ROBINEȚI DE ÎNCHIDERE

APLICAȚII

Robinet de închidere filetat pentru apă potabilă și lichide neutre până la 70°C

CARACTERISTICI DE PROIECTARE

Tijă din oțel inoxidabil neascendentă
Conexiune filetată conform PN-EN ISO 228-1
Trecere dreaptă fără fante
Închidere cu cuplu redus

Pană ghidată pentru a asigura etanșarea corectă
100% etanș, clasa A
Fără zone de reținere
Închidere în sensul acelor de ceasornic



CARACTERISTICI TEHNICE

Cerințe și încercări: conform PN-EN 1074-1.2
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Acoperire cu pudră epoxidică de minimum 250 μm grosime, rezistentă la UV, culoare RAL5015
CUPLU MAXIM: DN20- 20Nm; DN25- 25Nm; DN32- 30Nm; DN40- 40Nm; DN50- 50Nm
Momentul maxim de închidere: DN20-5Nm; DN25- 5Nm; DN32- 10Nm; DN40- 10Nm; DN50- 40Nm
Etanșare ax/ arbore: inel O
Viteza maximă a apei: 4 m/s
Șuruburi care conectează capacul de corp la robinetii DN32-50: încastate în matriță, acoperire protejată
Pene la DN 20-DN40: Forjare din alamă, vulcanizată
Pene la DN 50: vulcanizate peste tot cu o piuliță detașabilă
Versiune cu ambele filete interne - cod VV, filete interne/externe - cod VI

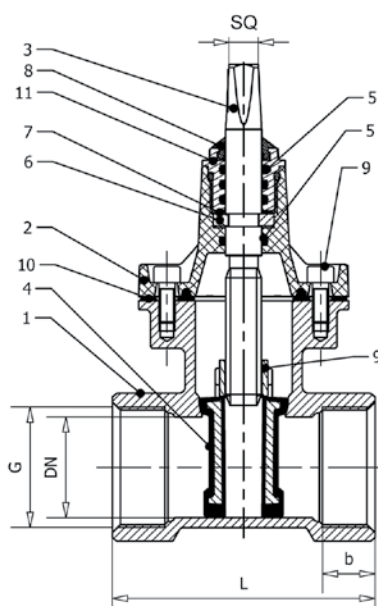
OPERARE



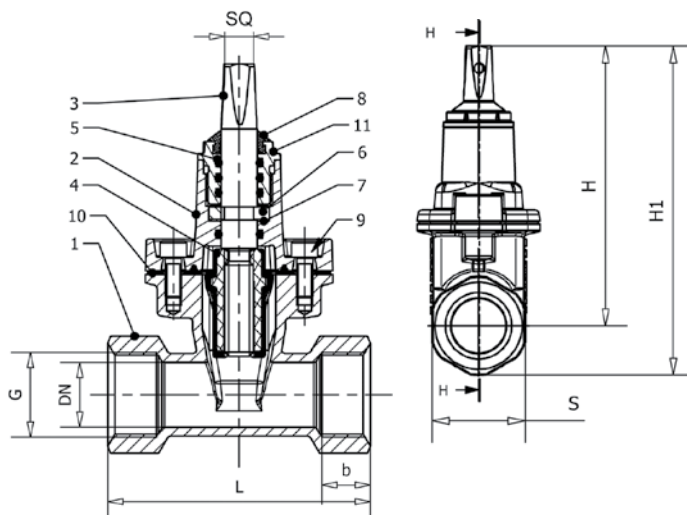
DN	L	H	H1	Threads G	S	b	SQ	KG	BLUCAST Nr. de ref.
20	110	125	147	3/4" int/int	41	22	14	1.2	010020VV
25	110	126	148	1" int/int	44	22	14	1.2	010025VV
32	130	164	193	1 1/4" int/int	54.5	24	14	2.1	010032VV
40	130	177	210	1 1/2" int/int	59.5	24	14	2.3	010040VV
50	130	200	230	2" int/int	70	26	14	3.2	010050VV
20	110	125	147	3/4" int/ext	41	22	14	1.2	010020VI
25	110	126	148	1" int/ext	44	22	14	1.2	010025VI
32	130	164	193	1 1/4" int/ext	54.5	24	14	2.1	010032VI
40	130	177	210	1 1/2" int/ext	59.5	24	14	2.3	010040VI
50	130	200	230	2" int/ext	70	26	14	3.2	010050VI

Nr.	Articol	Material	Standard
1	Corp robinet	EN-GJS 500-7	PN-EN 1563
2	Capac robinet	EN-GJS 500-7	PN-EN 1563
3	Tijă	din oțel inoxidabil	PN-EN 10088-1
4	Pană de cauciuc	EN-GJS 500-7/EPDM	PN-EN 1563/681-1
5	Inel de etanșare inel	O-EPDM	DIN 3771
6	Tijă semi-inel arc	din oțel	
7	Inel glisant din	poliamidă	
8	Raclet cu inel	EPDM	PN-EN 681-1
9	Șurub oțel	galvanizat cl. 8.8	PN-EN ISO 4762
10	Capac garnitură	EPDM	PN-EN 681-1
11	Manșon	din alamă	PN-EN 1982

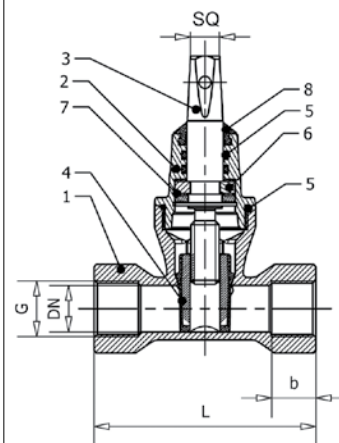
DN50



DN32-DN40



DN20-DN25



*Ne rezervăm dreptul de a modifica produsele.

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutatea specificate în kg) nu sunt obligatorii și pot fi modificate.

SUPAPA DE SENS CU BILA seria ARV



APLICAȚII

Robinet cu bilă pentru apă potabilă și lichide neutre până la 70°C

CARACTERISTICI DE PROIECTARE

Construcție cu autocurățare

Pasaj liber

Demontarea ușoară a capacului superior pentru a îndepărta bila

Design simplu și compact

Poate fi instalat în poziții verticale și orizontale

CARACTERISTICI TEHNICE

Presiunea maximă de lucru: PN10 / PN16

Temperatura de lucru: 0°C - + 70°C

Bilă vulcanizată complet în EPDM (opțiune NBR disponibilă)

Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 μm

Garnitură cap în EPDM

Versiune cu flanșă:

Proiectare în conformitate cu EN12050

Dimensiuni față în față conform:

EN558 seria 48 / DIN 3202 (F6)

Conexiuni la capătul flanșei conform

EN1092-2: PN10 și PN16

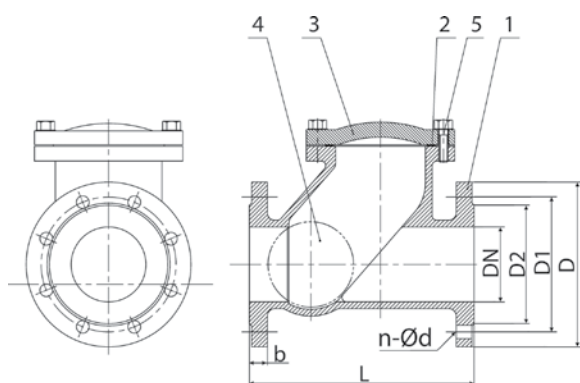
Versiune filetată:

Conexiuni filetate conform EN 10226-1



SUPAPE DE SENS

DN	Flanșă de foraj	L	D	D1	D2	b	n-Ød	KG	BLUCAST Nr. de ref.
32	1 1/4" filet	140	-	-	-	18	-	2,5	ARV032VV
40	1 1/2" filet	145	-	-	-	18	-	2,6	ARV040VV
50	2" filet	170	-	-	-	20	-	3,8	ARV050VV
50	PN10/16	200	165	125	102	19	4-Ø19	8,5	ARV050
65	PN10/16	240	185	145	122	19	4-Ø19	9,5	ARV065
80	PN10/16	280	200	160	138	19	8-Ø19	12	ARV080
100	PN10/16	300	220	180	158	19	8-Ø19	16	ARV100
125	PN10/16	350	250	210	188	19	8-Ø19	22	ARV125
150	PN10/16	400	285	240	212	19	8-Ø23	31	ARV150
200	PN10	500	340	295	268	20	8-Ø23	68	ARV200
250	PN10	600	405	350	319	22	12-Ø23	100	ARV250
300	PN10	700	460	400	370	24,5	12-Ø23	132	ARV300
400	PN10	900	580	515	480	28	16-Ø28	275	ARV400



Nr.	Articol	Material
1	Corp	EN-GJS-400-15
2	Garnitură	EPDM
3	Capac	EN-GJS-400-15
4	Bilă	din aluminiu + EPDM
5	Șuruburi	din oțel zincat 4.8 sau oțel inoxidabil AISI304

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



ROBINET FLUTURE seria VB



ROBINEȚI DE ÎNCHIDERE



APLICAȚII

Robinet fluture tip Wafer pentru apă potabilă și lichide neutre până la 70°C

CARACTERISTICI DE PROIECTARE

Tip Wafer pentru montare între două flanșe

Tijă din oțel inoxidabil

Indicator mecanic de poziție

Actuator de montare cu flanșă superioară ISO5211

Închidere în sensul acelor de ceasornic

100% etanș

CARACTERISTICI TEHNICE

Proiectare conform EN593

Dimensiuni față în față conform EN558: Seria 20

Conexiuni la capătul flanșei conform EN1092-2: PN10 și PN16

Conexiune cu flanșă superioară conform ISO5211

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0 °C - + 70 °C

DN50-DN300 - acționat cu pârghie, DN350 și peste - cu cutie de viteze

Scaun EPDM

Șuruburi din oțel inoxidabil

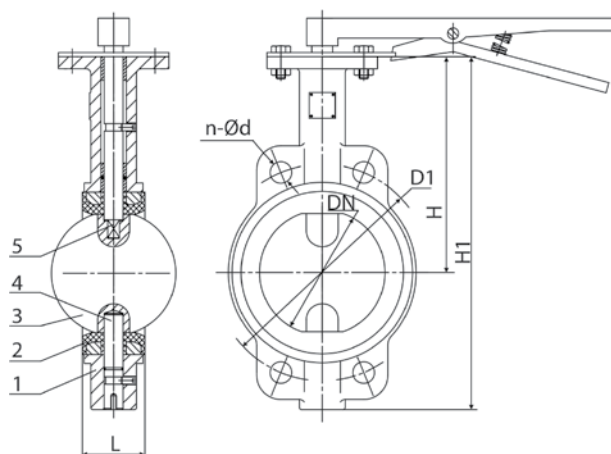
Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 μm

OPERARE



DN	Găurire flanșă	L	H	H1	D1	n-Ød	Flanșă superioară ISO5211	KG	BLUCAST Nr. de ref.
50	PN10/16	43	69	147	125	4-Ø18	F05	3,7	VB050
65	PN10/16	46	82	155	145	4-Ø18	F05	4,4	VB065
80	PN10/16	46	98	163	160	4-Ø18	F05	4,9	VB080
100	PN10/16	52	111	176	180	8-Ø18	F07	6,5	VB100
125	PN10/16	56	123	205	210	8-Ø18	F07	7,8	VB125
150	PN10/16	56	139	216	240	8-Ø23	F07	9,2	VB150
200	PN10	60	172	253	295	8-Ø23	F10	14,7	VB200
250	PN10	68	209	280	350	12-Ø23	F10	21,2	VB250
300	PN10	78	241	332	400	12-Ø23	F10	35,2	VB300
350	PN10	79	267	368	460	16-Ø23	F12	58,8	VB350
400	PN10	90	298	400	515	16-Ø28	F14	101,2	VB400
500	PN10	132	349	480	620	20-Ø28	F14	160,1	VB500
600	PN10	156	410	562	725	20-Ø31	F16	257,5	VB600
50	PN10/16	43	69	147	125	4-Ø18	F05	3,7	VBSS050
65	PN10/16	46	82	155	145	4-Ø18	F05	4,4	VBSS065
80	PN10/16	46	98	163	160	4-Ø18	F05	4,9	VBSS080
100	PN10/16	52	111	176	180	8-Ø18	F07	6,5	VBSS100
150	PN10/16	56	139	216	240	8-Ø23	F07	9,2	VBSS150
200	PN10	60	172	253	295	8-Ø23	F10	14,7	VBSS200



Nr.	Articol	Material
1	Corp	EN-GJS-500-7
2	Scaun	EPDM
3	Disc	EN-GJS-500-7, nichelat
5		AU oțel inoxidabil CF8 (AISI304)
4	Tijă superioară	din oțel inoxidabil AISI420
5	Tijă inferioară	din oțel inoxidabil AISI420

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.

ROBINET DE ÎNCHIDERE CUȚIT seria PS



APLICAȚII

Robinet de închidere cuțit pentru scaun rezistent pentru apă potabilă și lichide neutre până la 70°C

CARACTERISTICI DE PROIECTARE

Tijă din oțel inoxidabil

100% etanș

Etanșare direcțională unică sau dublă

Închidere în sensul acelor de ceasornic

Tijă neascendentă

CARACTERISTICI TEHNICE

Proiectare conform EN1074

Conexiuni la capătul flanșei conform EN1092-2: PN10 și PN16

Presiune maximă de lucru: DN50-DN250 - PN10/10 bar,

DN300-DN400 - PN6/6 bar, DN500-DN600 - PN4/4 bar

Temperatura de lucru: 0°C - + 70°C

Scaun EPDM

Șuruburi din oțel inoxidabil

Culoare RAL5015

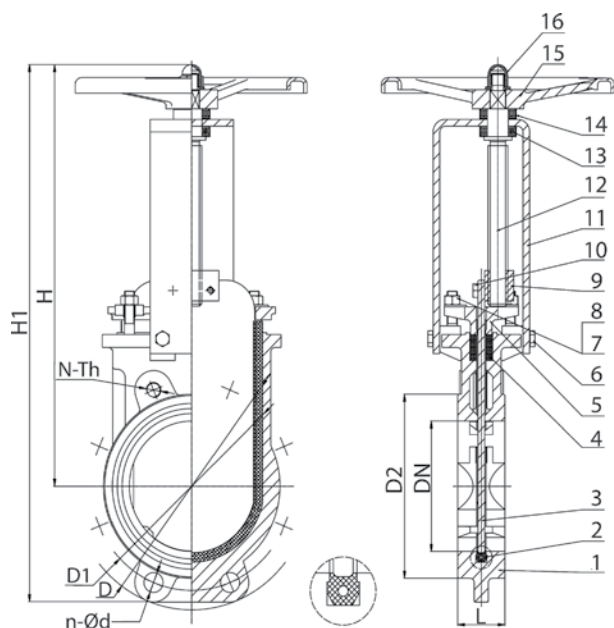
Acționat cu roată de mână (DN50-DN400), de la DN500 - cu cutie de viteze

Acoperire cu pulbere epoxidică grosime 250 μm

OPERARE



DN	Găurire flanșă	L	H	H1	D2	D1	D	n-Ød	n-Th	KG	BLUCAST Nr. de ref.
50	PN10/16	48	290	339,5	99	125	165	4-Ø18	4-M16	7	PS050
65	PN10/16	48	320	379	118	145	185	4-Ø18	4-M16	8	PS065
80	PN10/16	51	350	416	132	160	200	4-Ø18	8-M16	10	PS080
100	PN10/16	51	385	463	156	180	220	8-Ø18	8-M16	13	PS100
125	PN10/16	57	430	522	184	210	250	8-Ø18	8-M16	18	PS125
150	PN10/16	57	485	591	212	240	285	8-Ø23	8-M20	23	PS150
200	PN10	60	565	698	266	295	340	8-Ø23	8-M20	30	PS200
250	PN10	70	680	839,5	319	350	395	12-Ø23	12-M20	51	PS250
300	PN10	76	755	940	370	400	445	12-Ø23	12-M20	63	PS300
350	PN10	76	922	1137	430	460	505	16-Ø23	16-M20	87	PS350
400	PN10	89	970	1210	480	515	565	16-Ø28	16-M24	117	PS400
500	PN10	127	1330	1621	582	620	670	20-Ø28	20-M24	230	PS500
600	PN10	154	1460	1801	682	725	780	20-Ø31	20-M27	320	PS600



Nr.	Articol	Material
1	Corp	EN-GJS-400-15
2	Scaun	EPDM
3	Disc	AISI304
4	Etanșarea	PTFE
5	Manșon	WCB
6	Șurub	AISI201
7	Piuliță/șurub	AISI201
8	Piuliță/șurub	AISI201
9	Piuliță tijă	din alamă
10	Șurub	SS201
11	Colier	AISI A3
12	Tijă	AISI420
13	Rulment	din oțel inoxidabil
14	Capac rulment	AISI A3
15	Roată de mână	EN-GJS-400-15
16	Piuliță	AISI201

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.

HIDRANT SUBTERAN PN16 seria PH



APLICAȚII

Hidrant subteran pentru protecție împotriva incendiilor și aplicații apă potabilă

CARACTERISTICI DE PROIECTARE

Piese interne și externe rezistente la coroziune

Sistem complet de drenaj

Închidere cu cuplu redus

Închidere în sensul acelor de ceasornic

100% etanș

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16

Produs conform EN 1074-1; EN 1074-6; EN 14339

Priză cu baionetă conform DIN 3221 „C”

Presiune maximă de lucru: PN16 / 16 bar

Temperatură de funcționare: 0°C - +50°C.

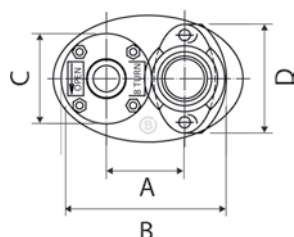
Pană complet vulcanizată în EPDM

Culoare RAL5015

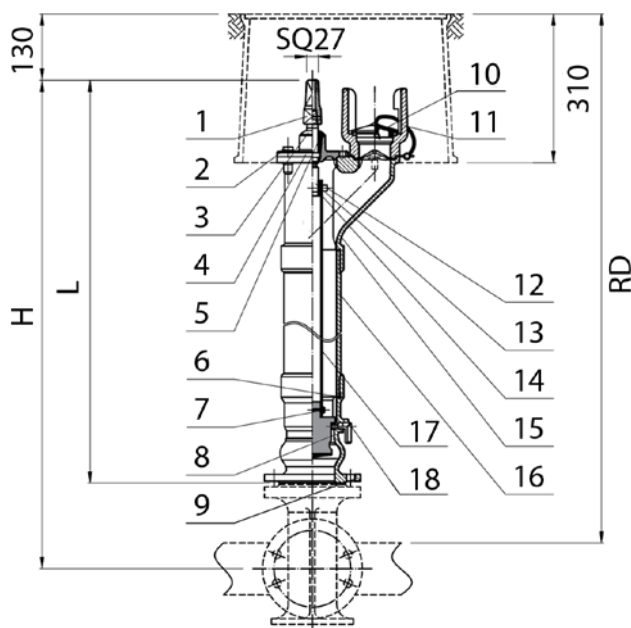
Acoperire cu pulbere epoxidică grosime 250 μm

Începutul deschiderii <3 rotiri, deschiderea completă după 8 rotiri

OPERARE



DN	Găurire flanșă	L	RD	H	A	B	C	D	KG	BLUCAST Nr. de ref.
80	PN10/16	500	750	665	130	255	150	180	30	PH0800500
80	PN10/16	750	1000	915	130	255	150	180	34	PH0800750
80	PN10/16	1000	1250	1165	130	255	150	180	39	PH0801000
80	PN10/16	1250	1500	1415	130	255	150	180	45	PH0801250
80	PN10/16	1500	1800	1715	130	255	150	180	50	PH0801500
100	PN10/16	750	1000	935	176	352	180	215	50	PH1000750
100	PN10/16	1000	1250	1185	176	352	180	215	56	PH1001000
100	PN10/16	1250	1500	1435	176	352	180	215	62	PH1001250
100	PN10/16	1500	1800	1735	176	352	180	215	70	PH1001500



Nr.	Articol	Material
1	Capac tijă	EN-GJS-500-7
2	Șuruburi	din oțel carbon 8.8 zincat
3	Piuliță de etanșare	din oțel carbon 8.8 zincat
4	Cap	EN-GJS-500-7
5	Tijă	din oțel inoxidabil
6	Garnitură	EPDM
7	Șurub	din oțel carbon 8.8 zincat
8	Corp inferior	EN-GJS-500-7
9	Corp inferior	EN-GJS-500-7
10	Capac	EN-GJS-500-7
11	Priză baionetă	EN-GJS-500-7
12	Șuruburi	din oțel carbon 8.8 zincate
13	Tijă	din oțel inoxidabil
14	Piuliță tijă	din bronz
15	Corp	EN-GJS-500-7
16	Conductă de conectare	EN-GJS-500-7

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutatea specificate în kg) nu sunt obligatorii și pot fi modificate.

HIDRANT SUPRATERAN PN16 seria OH



APLICAȚII

Hidrant supraterean pentru protecție împotriva incendiilor și aplicații apă potabilă

CARACTERISTICI DE PROIECTARE

Piese interne și externe rezistente la coroziune
Drenaj complet după oprirea completă a fluxului
Sistem complet de drenaj
Tijă din oțel inoxidabil cu filet laminat
Etanșarea tijei inelului O, dop de manșonare protejat împotriva mediului

Dop de manșonare forjat cu protecție împotriva deșurubării
Închidere cu cuplu redus
Închidere în sensul acelor de ceasornic
100% etanș

CARACTERISTICI TEHNICE

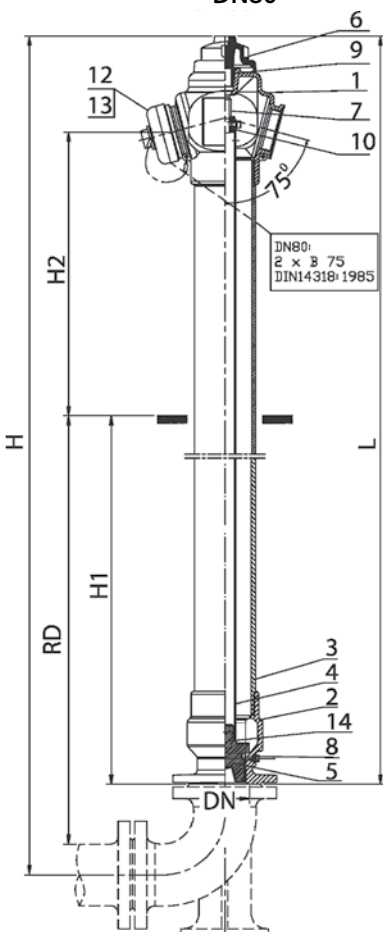
Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16
Proiectare conform EN1074
Presiune maximă de lucru: PN16 / 16 bar
Temperatură de funcționare: 0°C - +50°C.
Pană complet vulcanizată în EPDM
Acoperire cu pulbere epoxidică grosime 250 μm
Începutul deschiderii <3 rotiri, deschiderea completă după 8 rotiri

OPERARE

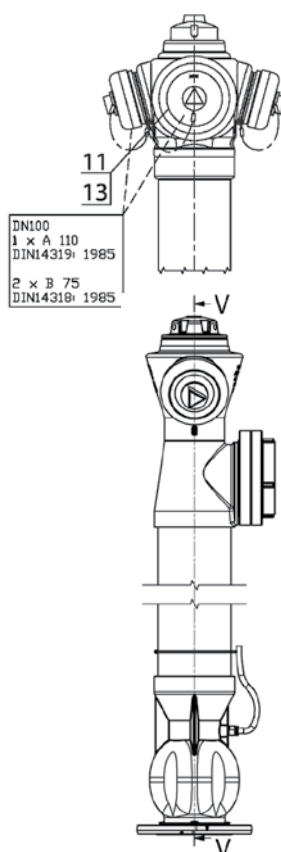


HIDRANȚI

DN80



DN100



DN	RD	L	H	H1	H2	KG	BLUCAST Nr. de ref.
80	1000	1640	1805	880	565	48	OH0801000
80	1250	1890	2065	1130	565	50	OH0801250
80	1500	2140	2315	1380	565	59	OH0801500
80	1800	2440	2615	1680	565	60	OH0801800
100	1250	1900	2080	1130	565	68	OH1001250
100	1500	2150	2330	1380	565	73	OH1001500
100	1800	2450	2630	1680	565	78	OH1001800

Nr.	Articol	Material
1	Cap din fontă	ductilă EN-GJS-400-15
2	Corp inferior din fontă	ductilă EN-GJS-400-15
3	Țeavă verticală din fontă	ductilă EN-GJS-400-15
4	Ax	din oțel
5	Clapetă robinet din fontă	ductilă EN-GJS-400-15
6	Capac din fontă	ductilă EN-GJS-400-15
7	Tijă	din oțel inoxidabil AISI420
8	Deshidratator	din alamă
9	Etanșare presetupă fontă	ductilă EN-GJS-400-15
10	Piuliță tijă	din alamă
11	Conector de ieșire 1	Aluminiu
12	Conector de ieșire 2	Aluminiu
13	Garnitură	EPDM
14	Șuruburi și piulițe	din oțel galvanizat

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutatea specificate în kg) nu sunt obligatorii și pot fi modificate.



HIDRANT SUPRATERAN RETEZABIL seria OHB



HIDRANȚI



APLICAȚII

Hidrant subteran pentru protecție împotriva incendiilor și aplicații apă potabilă

CARACTERISTICI DE PROIECTARE

Piese interne și externe rezistente la coroziune

Tijă din oțel inoxidabil cu filet laminat

Drenaj complet după întreruperea completă a fluxului

Sistem complet de drenaj

Dop de manșonare forjat cu protecție împotriva deșurubării

Flanșa casabilă și cuplul tijei asigură că un există scurgeri

și reparații dacă sunt doborâte în trafic.

Închidere cu cuplu redus

Etanșarea tijei inelului O, dop de manșonare protejat împotriva mediului

Închidere în sensul acelor de ceasornic

Închidere unică

100% etanș

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16

Presiune maximă de lucru: PN16 / 16 bar

Temperatură de funcționare: 0°C - +50°C.

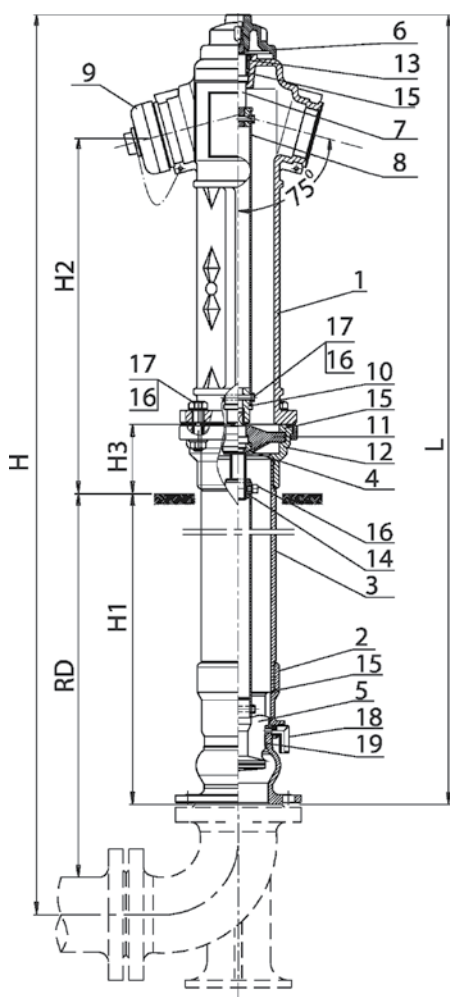
Pană complet vulcanizată în EPDM

Acoperire cu pulbere epoxidică grosime 250 μm

Acoperire cu pulbere epoxidică rezistentă la UV de minim 250 micrometri

Începutul deschiderii <3 rotiri, deschiderea completă după 8 rotiri

OPERARE



DN	Găurire flanșă	RD	L	H	H1	H2	KG	BLUCAST Nr. de ref.
80	PN10/16	1250	1890	2060	1130	640	49	OHB0801250
80	PN10/16	1500	2140	2310	1380	640	52	OHB0801500
80	PN10/16	1800	2440	2610	1680	640	60	OHB0801800
100	PN10/16	1250	1950	2150	1110	640	60	OHB1001250
100	PN10/16	1500	2200	2400	1360	640	65	OHB1001500
100	PN10/16	1800	2500	2700	1660	640	75	OHB1001800

Nr.	Articol	Material
1	Corp superior	EN-GJS-400-15
2	Corp inferior	EN-GJS-400-15
3	Coloană	EN-GJS-400-15
4	Capac	EN-GJS-400-15
5	Cap robinet	EN-GJS-400-15 + EPDM
6	Capac	EN-GJS-400-15
7	Tijă robinet	din oțel inoxidabil AISI420
8	Ax	din oțel
9	leșire 1	Aluminiu
10	leșire 2	Aluminiu
11	Garnitură	EPDM
12	Garnitură	EPDM
13	Etanșare presetupă	din alamă
14	Piuliță tijă	din alamă
15	Inel O	EPDM
16	Șurub	din oțel sau oțel inoxidabil AISI304
17	Piuliță	din oțel sau oțel inoxidabil AISI304
18	Deshidratator	din alamă
19	Scaun	din alamă

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutatea specificate în kg) nu sunt obligatorii și pot fi modificate.

HIDRANT SUPRATERAN PN16 seria OHS, OHSG



APLICAȚII

Hidrant supraterean pentru protecție împotriva incendiilor și aplicații apă potabilă

CARACTERISTICI DE PROIECTARE

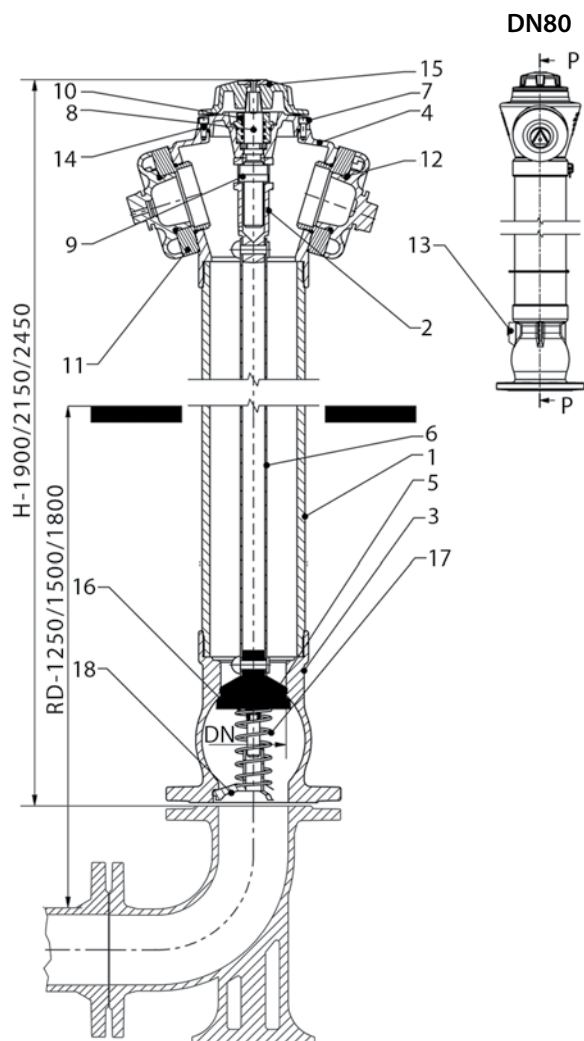
Piese interne și externe rezistente la coroziune
Drenaj complet după întreruperea completă a fluxului
Sistem complet de drenaj
Tijă din oțel inoxidabil cu filet laminat
Etanșarea tijei inelului O, dop de manșonare protejat împotriva mediului

Dop de manșonare forjat cu protecție împotriva deșurubării
Închidere cu cuplu redus
Închidere în sensul acelor de ceasornic
100% etanș

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16
Proiectare conform EN1074
Presiune maximă de lucru: PN10 / 16 bar
Pană complet vulcanizată în EPDM
Acoperire cu pulbere epoxidică grosime 80 μm (250 μm la cerere) (epoxy + poliester)
Începutul deschiderii 4 <rotiri, deschiderea completă după 9 rotiri
Coloană din oțel - seria OHS, coloană din oțel galvanizat - seria OHSG
Orificii de evacuare conform DIN 14317 (DN80, DN100) și DIN14319 (DN100)

OPERARE



DN	RD	L	H	KG	BLUCAST Nr. de ref.
80	1250	1900	2070	39,5	OHS0801250
80	1500	2150	2320	40,4	OHS0801500
80	1800	2450	2620	52	OHS0801800
100	1250	1900	2070	54	OHS1001250
100	1500	2150	2320	56	OHS1001500
100	1800	2450	2620	58	OHS1001800
80	1250	1900	2070	39,5	OHSG0801250
80	1500	2150	2320	40,4	OHSG0801500
80	1800	2450	2620	52	OHSG0801800
100	1250	1900	2070	54	OHSG1001250
100	1500	2150	2320	56	OHSG1001500
100	1800	2450	2620	58	OHSG1001800

Nr.	Articol	Material
1	Coloană	de oțel (seria OHS) sau oțel galvanizat (seria OHSG)
2	Ghidaj	EN GJL-250
3	Corp inferior	EN GJL-250
4	Corp superior	EN GJL-250
5	Disc	EN GJL-250 / EPDM
6	Tijă pistonă	din oțel galvanizat
7	Capac	EN GJL-250
8	Tijă	din oțel inoxidabil
9	Piuliță	din alamă
10	Presetupă	din alamă
11	Capac	aliaj de aluminiu
12	Inel O	EPDM
13	Deshidratator	din plastic
14	Șurub	di oțel inoxidabil A2
15	Buton	EN GJL-250

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutatea specificate în kg) nu sunt obligatorii și pot fi modificate.



CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16

Proiectat conform EN545

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

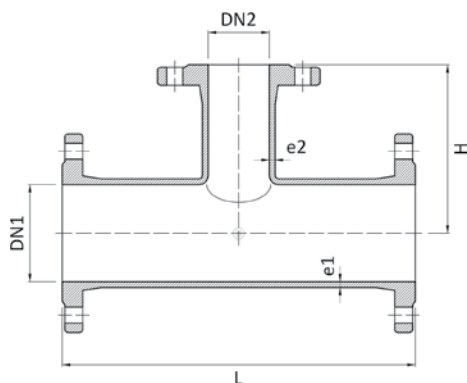
Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 µm

Corp din fontă ductilă EN-GJS-500-7

Acoperire epoxidică aprobată WRAS, acoperire epoxidică aprobată ACS la cerere

DN1	DN2	Găurire flanșă	L	H	e1	e2	Greutate	BLUCAST Nr. de ref.	DN1	DN2	Găurire flanșă	L	H	e1	e2	Greutate	BLUCAST Nr. de ref.
50	50	PN10/16	300	150	7	7	9.8	T050050	250	150	PN10	485	280	9	7.5	62	T250150
65	50	PN10/16	330	160	7	7	12	T065050	250	150	PN16	485	280	9	7.5	62	T250150P
65	65	PN10/16	330	165	7	7	13	T065065	250	200	PN10	540	290	9	8.4	64.8	T250200
80	50	PN10/16	310	150	7	7	13	T080050	250	200	PN16	540	290	9	8.4	64.8	T250200P
80	65	PN10/16	320	165	7	7	13.5	T080065	250	250	PN10	600	300	9	9	89	T250250
80	80	PN10/16	330	165	7	7	11.9	T080080	250	250	PN16	600	300	9	9	89	T250250P
100	50	PN10/16	320	170	7.2	7	12.7	T100050	300	80	PN10	425	290	9.6	7	62	T300080
100	65	PN10/16	360	175	7.2	7	13.5	T100065	300	80	PN16	425	290	9.6	7	62	T300080P
100	80	PN10/16	330	175	7.2	7	15.4	T100080	300	100	PN10	450	300	9.6	7.2	65	T300100
100	100	PN10/16	360	180	7.2	7.2	15.3	T100100	300	100	PN16	450	300	9.6	7.2	65	T300100P
150	50	PN10/16	335	180	7.8	7	27.8	T150050	300	150	PN10	505	310	9.6	7.5	82	T300150
150	65	PN10/16	440	205	7.8	7	28	T150065	300	150	PN16	505	310	9.6	7.5	82	T300150P
150	80	PN10/16	360	205	7.8	7	28.5	T150080	300	200	PN10	565	320	9.6	8.4	85	T300200
150	100	PN10/16	440	205	7.8	7.2	29.5	T150100	300	200	PN16	565	320	9.6	8.4	85	T300200P
150	150	PN10/16	440	215	7.8	7.8	30.7	T150150	300	250	PN10	620	330	9.6	9	90	T300250
200	50	PN10	380	225	8.4	7	32	T200050	300	300	PN10	680	340	9.6	9.6	100.9	T300300
200	65	PN10	380	225	8.4	7	32.8	T200065	300	300	PN16	680	340	9.6	9.6	100.9	T300300P
200	80	PN10	380	225	8.4	7	30.9	T200080	350	350	PN10	760	380	10.2	10.2	128	T350350
200	100	PN10	400	230	8.4	7.2	35.5	T200100	400	80	PN10	470	350	10.2	7	91	T400080
200	100	PN16	400	230	8.4	7.2	35.5	T200100P	400	100	PN10	490	350	10.2	7.2	91	T400100
200	150	PN10	460	245	8.4	7.8	40.5	T200150	400	150	PN10	550	350	10.8	7.5	97.5	T400150
200	150	PN16	460	245	8.4	7.8	40.5	T200150P	400	200	PN10	610	350	10.8	8.4	113.1	T400200
200	200	PN10	460	260	8.4	8.4	45.4	T200200	400	250	PN10	665	380	10.8	9	125.1	T400250
200	200	PN16	460	260	8.4	8.4	45.4	T200200P	400	300	PN10	725	400	10.8	9.6	138.4	T400300
250	65	PN10	405	265	9	7	45	T250065	400	400	PN10	840	420	10.8	10.8	163.3	T400400
250	80	PN10	405	265	9	7	48	T250080	500	80	PN10	515	400	12	7	129.5	T500080
250	100	PN10	425	270	9	7.2	52.6	T250100	500	100	PN10	535	400	12	7.2	133.5	T500100
250	100	PN16	425	270	9	7.2	52.6	T250100P	500	150	PN10	600	410	12	7.8	146.6	T500150
									500	200	PN10	650	415	12	8.4	157.5	T500200
									500	250	PN10	680	430	12	8.4	166.9	T500250
									500	300	PN10	740	500	12	9.6	150	T500300
									500	400	PN10	885	480	12	10.8	216.9	T500400
									500	500	PN10	1000	500	12	12	252	T500500
									600	100	PN10	550	450	13.2	7.2	180.4	T600100
									600	150	PN10	650	450	13.2	7.8	203.8	T600150
									600	200	PN10	700	450	13.2	8.4	211	T600200
									600	250	PN10	740	480	13.2	8.4	230	T600250
									600	300	PN10	810	500	13.2	9.6	250.3	T600300
									600	400	PN10	930	530	13.2	10.8	285.8	T600400
									600	500	PN10	1000	545	13.2	12	314.1	T600500
									600	600	PN10	1100	550	13.2	13.2	355.0	T600600



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.

CRUCE CU PRINDERE FLANSA seria TT



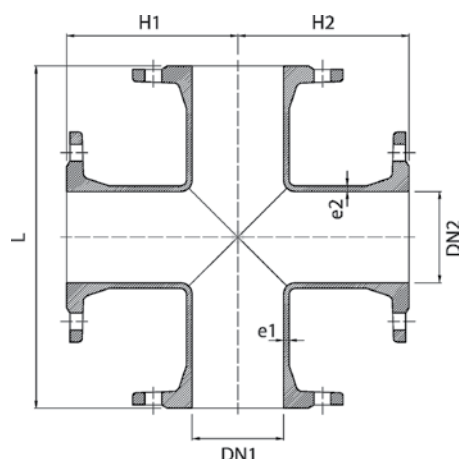
CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2
 Găurirea flanșelor: PN10/16, începând de la DN200 - PN10
 Proiectat conform EN545
 Presiune maximă de lucru: PN16 / 16 bar
 Temperatura de lucru: 0°C - + 70°C
 Culoare RAL5015
 Acoperire cu pulbere epoxidică grosime 250 μm
 Corp din fontă ductilă EN-GJS-500-7
 Acoperire epoxidică aprobată WRAS,
 Acoperire epoxidică aprobată ACS la cerere



FITINGURI DIN FONTA DUCTILA

DN1	DN2	Găurire flanșă	L	H1	H2	e1	e2	Greutate	BLUCAST Nr. de ref.
50	50	PN10/16	300	165	165	7	7	13,8	TT050
65	65	PN10/16	330	165	165	7	7	19,5	TT065
80	80	PN10/16	330	165	165	7	7	21,5	TT080
100	50	PN10/16	360	180	180	7,2	7	21,5	TT100050
100	80	PN10/16	360	180	170	7,2	7	22	TT100080
100	100	PN10/16	360	180	180	7,2	7,2	21,4	TT100
150	80	PN10/16	360	220	200	7,2	7	30	TT150080
150	100	PN10/16	380	220	220	7,8	7,2	36,0	TT150100
150	150	PN10/16	440	220	220	7,8	7,8	47,1	TT150
200	100	PN10	400	260	260	8,4	7,2	40,3	TT200100
200	150	PN10	460	260	260	8,4	7,8	51,0	TT200150
200	200	PN10	520	260	260	8,4	8,4	66,0	TT200
200	200	PN16	520	260	260	8,4	8,4	66,0	TT200P
250	100	PN10	425	270	270	9	9	55,4	TT250100
250	250	PN10	600	300	300	9	9	90,0	TT250
300	100	PN10	450	300	300	9,6	9,6	70,6	TT300100
300	150	PN10	505	310	310	9,6	9,6	80,8	TT300150
300	200	PN10	520	320	320	9,6	9,6	92,3	TT300200
300	300	PN10	680	340	340	9,6	9,6	124,0	TT300
350	350	PN10	760	380	380	10,8	10,8	156	TT350
400	100	PN10	490	360	360	8,4	10,8	100,0	TT400100
400	150	PN10	550	370	370	9,1	10,8	113,0	TT400150
400	400	PN10	840	420	420	10,8	10,8	197,0	TT400
500	500	PN10	1000	500	500	12	12	312	TT500
600	600	PN10	1100	500	500	13,2	13,2	443	TT600



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



COT CU FLANȘE 90° seria Q



CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10 sau PN16
Proiectat conform EN545
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Corp din fontă ductilă EN-GJS-500-7
Acoperire epoxidică aprobată WRAS,
Acoperire epoxidică aprobată ACS la cerere

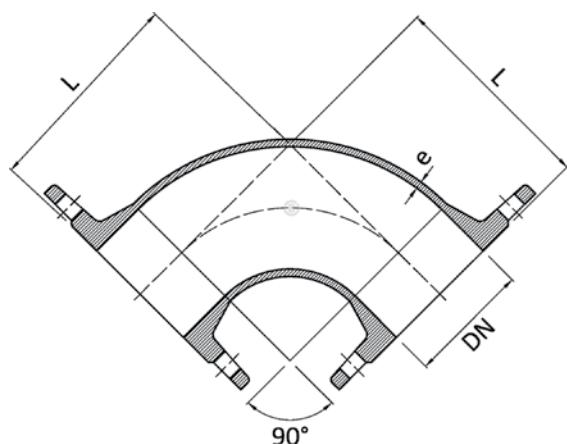
COT CU FLANȘE 45° seria FFK



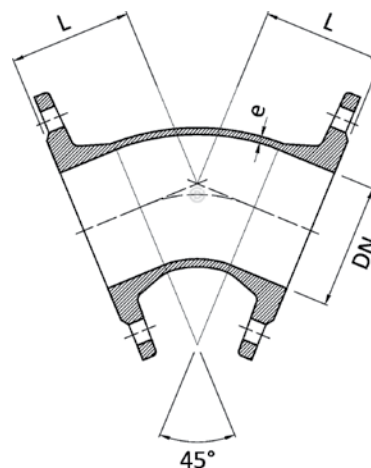
CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16
Proiectat conform EN545
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Corp din fontă ductilă EN-GJS-500-7
Acoperire epoxidică aprobată WRAS,
Acoperire epoxidică aprobată ACS la cerere

DN	Găurire flanșă	L	e	Greutate	BLUCAST Nr. de ref.
50	PN10/16	150	7	6.1	Q050
65	PN10/16	160	7	8.5	Q065
80	PN10/16	165	7	9.7	Q080
100	PN10/16	180	7.2	11.9	Q100
150	PN10/16	220	7.8	18.3	Q150
200	PN10	260	8.4	33.6	Q200
200	PN16	260	8.4	33.6	Q200P
250	PN10	350	9	52	Q250
250	PN16	350	9	52	Q250P
300	PN10	400	9.6	72	Q300
300	PN16	400	9.6	72	Q300P
400	PN10	500	10.4	151	Q400
500	PN10	600	12	190	Q500
600	PN10	700	13.2	286	Q600



DN	Găurire flanșă	L	e	Greutate	BLUCAST Nr. de ref.
50	PN10/16	150	7	7.6	FFK050
65	PN10/16	165	7	8.7	FFK065
80	PN10/16	130	7	9.3	FFK080
100	PN10/16	140	7.2	10.8	FFK100
150	PN10/16	160	7.8	19	FFK150
200	PN10	180	8.4	28	FFK200
250	PN10	245	9	46	FFK250
300	PN10	275	9.6	64	FFK300
400	PN10	325	10.4	96	FFK400
500	PN10	375	12	145	FFK500
600	PN10	400	13.2	211	FFK600



REDUCTIE CU PRINDERE FLANSA seria FFR



CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16

Proiectat conform EN545

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 µm

Corp din fontă ductilă EN-GJS-500-7

Acoperire epoxidică aprobată WRAS,

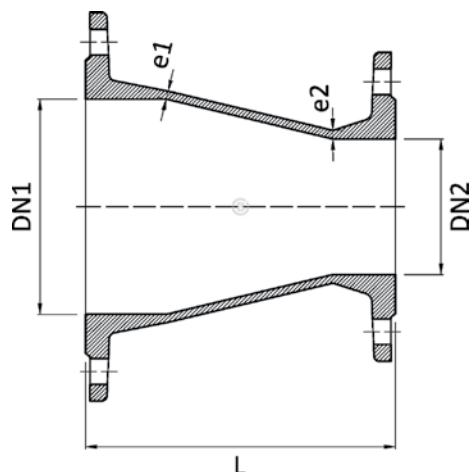
Acoperire epoxidică aprobată ACS la cerere



FITINGURI DIN FONTA DUCTILA

DN1	DN2	Găurire flanșă	L	e1	e2	Greutate	BLUCAST Nr. de ref.
65	50	PN10/16	200	7	7		FFR065050
80	50	PN10/16	200	7	7	5.9	FFR080050
80	65	PN10/16	200	7	7	6	FFR080065
100	50	PN10/16	200	7.2	7	6.8	FFR100050
100	65	PN10/16	200	7.2	7	8.8	FFR100065
100	80	PN10/16	200	7.2	7	8	FFR100080
125	100	PN10/16	200	7.4	7	8.5	FFR125100
150	50	PN10/16	200	7.8	7	9.7	FFR150050
150	65	PN10/16	200	7.8	7	9.8	FFR150065
150	80	PN10/16	200	7.8	7	10	FFR150080
150	100	PN10/16	200	7.8	7.2	10.1	FFR150100
200	80	PN10	300	8.4	7	17.5	FFR200080
200	80	PN16	300	8.4	7	17.5	FFR200080P
200	100	PN10	300	8.4	7.2	21.9	FFR200100
200	100	PN16	300	8.4	7.2	21.9	FFR200100P
200	150	PN10	300	8.4	7.8	22.7	FFR200150
200	150	PN16	300	8.4	7.8	22.7	FFR200150P
250	100	PN10	300	9	7.2	24.2	FFR250100
250	100	PN16	300	9	7.2	24.2	FFR250100P
250	150	PN10	300	9	7.8	26	FFR250150

DN1	DN2	Găurire flanșă	L	e1	e2	Greutate	BLUCAST Nr. de ref.
250	150	PN16	300	9	7.8	26	FFR250150P
250	200	PN10	300	9	8.4	29.5	FFR250200
250	200	PN16	300	9	8.4	29.5	FFR250200P
300	100	PN10	300	9.6	7.2	30.3	FFR300100
300	100	PN16	300	9.6	7.2	30.3	FFR300100P
300	150	PN10	300	9.6	7.8	32.1	FFR300150
300	200	PN10	300	9.6	8.4	33	FFR300200
300	200	PN16	300	9.6	8.4	33	FFR300200P
300	250	PN10	300	9.6	9	34	FFR300250
300	250	PN16	300	9.6	9	34	FFR300250P
400	100	PN10	300	10.8	9	51	FFR400100
400	150	PN10	300	10.8	9	51	FFR400150
400	200	PN10	300	10.8	9	73.5	FFR400200
400	250	PN10	300	10.8	9	50	FFR400250
400	300	PN10	300	10.8	9	58	FFR400300
500	300	PN10	300	12	12	110	FFR500300
500	400	PN10	300	12	12	94	FFR500400
600	300	PN10	400	13.2	13.2	152	FFR600300
600	400	PN10	300	13.2	13.2	142	FFR600400



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



STUT CU PRINDERE FLANSA seria FF



CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2

Proiectat conform EN545

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 μm

Găurirea flanșelor: PN10/16, începând de la DN200 - PN10

Corp din fontă ductilă EN-GJS-500-7

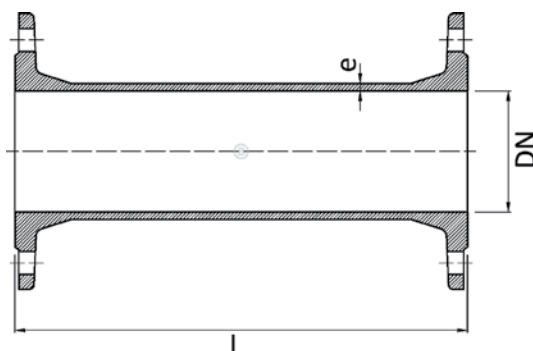
Acoperire epoxidică aprobată WRAS,

Acoperire epoxidică aprobată ACS la cerere

FITINGURI DIN FONTA DUCTILA

DN	Găurire flanșă	L	e	Greutate	BLUCAST Nr. de ref.
50	PN10/16	100	7	4.8	FF050100
50	PN10/16	200	7	6.5	FF050200
50	PN10/16	300	7	9	FF050300
50	PN10/16	400	7	10	FF050400
50	PN10/16	500	7	11	FF050500
50	PN10/16	1000	7	15	FF0501000
80	PN10/16	100	7	6.4	FF080100
80	PN10/16	200	7	7.1	FF080200
80	PN10/16	300	7	7.9	FF080300
80	PN10/16	400	7	9	FF080400
80	PN10/16	500	7	12.1	FF080500
80	PN10/16	1000	7	22.9	FF0801000
100	PN10/16	100	7.2	8	FF100100
100	PN10/16	200	7.2	8.5	FF100200
100	PN10/16	300	7.2	9.9	FF100300
100	PN10/16	400	7.2	11	FF100400
100	PN10/16	500	7.2	12.8	FF100500
100	PN10/16	1000	7.2	24.5	FF1001000
150	PN10/16	100	7.8	13	FF150100

DN	Găurire flanșă	L	e	Greutate	BLUCAST Nr. de ref.
150	PN10/16	200	7.8	14.5	FF150200
150	PN10/16	300	7.8	16.2	FF150300
150	PN10/16	400	7.8	22.4	FF150400
150	PN10/16	500	7.8	24	FF150500
150	PN10/16	1000	7.8	46.5	FF1501000
200	PN10	100	8.4	18.9	FF200100
200	PN10	200	8.4	23	FF200200
200	PN10	300	8.4	28.5	FF200300
200	PN10	400	8.4	32	FF200400
200	PN10	500	8.4	37	FF200500
200	PN10	1000	8.4	60	FF2001000
250	PN10	1000	9	78	FF2501000
300	PN10	100	9.6	41.6	FF300100
300	PN10	200	9.6	44.6	FF300200
300	PN10	300	9.6	49.5	FF300300
300	PN10	400	9.6	60	FF300400
300	PN10	500	9.6	71.8	FF300500
300	PN10	1000	9.6	130	FF3001000



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



COT CU PICIOR 90° seria N



CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16
Proiectat conform EN545
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Corp din fontă ductilă EN-GJS-500-7
Acoperire epoxidică aprobată WRAS,
Acoperire epoxidică aprobată ACS la cerere

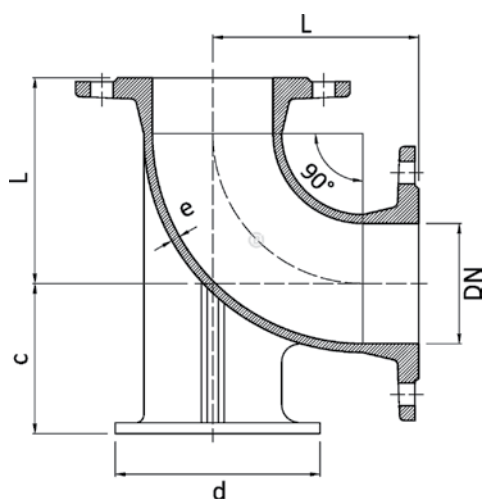
REDUCTIE FLANSE CU PREZOANE seria XR



CARACTERISTICI TEHNICE

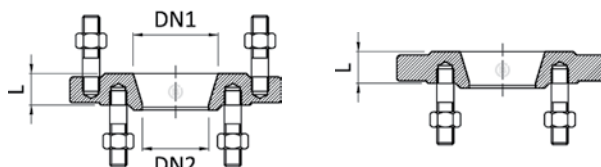
Conexiuni la capătul flanșei conform EN1092-2
Găurirea flanșelor: PN10/16, începând de la DN200 - PN10
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Corp din fontă ductilă EN-GJS-500-7
Acoperire epoxidică aprobată WRAS
Șuruburi, piulițe și șaibe - oțel carbon 8,8 galvanizat la cald

DN	Găurire flanșă	L	C	d	e	Greutate	BLUCAST Nr. de ref.
80	PN10/16	165	110	180	7	12.2	N080
100	PN10/16	180	125	200	7.2	15	N100
150	PN10/16	220	160	250	7.8	30.5	N150
200	PN10	260	190	300	8.4	47.5	N200
250	PN10	350	225	350	9	76.8	N250
300	PN10	400	255	400	9.6	109	N300
400	PN10	500	320	500	10.8	185	N400
500	PN10	600	385	600	12	292	N500
600	PN10	700	450	700	13.2	446	N600



DN1	DN2	Găurire flanșă	L	Șuruburi	Greutate	BLUCAST Nr. de ref.
665	50	PN10/16	32	D	5	XR065050
80	50	PN10/16	32	D	5.1	XR080050
80	65	PN10/16	32	D	5.7	XR080065
100	50	PN10/16	32	D	6	XR100050
100	65	PN10/16	32	D	6.1	XR100065
100	80	PN10/16	55	D	9.6	XR100080
150	65	PN10/16	37	S	10.2	XR150065
150	80	PN10/16	32	S	8.7	XR150080
150	100	PN10/16	32	D	10.2	XR150100
200	65	PN10	55	S	20.5	XR200065
200	80	PN10	50	S	19	XR200080
200	100	PN10	50	S	13.4	XR200100
200	150	PN10	32	S	14.3	XR200150
250	100	PN10	40	D	21.2	XR250100
250	150	PN10	35	S	17	XR250150
250	200	PN10	35	D	18.3	XR250200
300	80	PN10	43	D	29.7	XR300080
300	100	PN10	43	D	28.9	XR300100
300	150	PN10	43	D	28.6	XR300150
300	200	PN10	35	S	20	XR300200
300	250	PN10	35	D	21.8	XR300250
400	100	PN10	43	D	36.5	XR400100
400	150	PN10	43	D	41	XR400150
400	200	PN10	44	D	44	XR400200
400	250	PN10	44	D	42.3	XR400250
400	300	PN10	49	D	47	XR400300
500	300	PN10	51	D	57	XR500300
500	400	PN10	51	D	49	XR500400

Înșurubat: S- set unic, D- set dublu



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



FLANȘĂ OARBĂ seria X

FLANȘĂ OARBĂ FILETATĂ seria XS



CARACTERISTICI TEHNICE

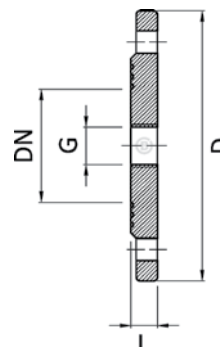
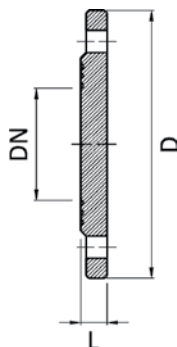
Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16
Proiectat conform EN545
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Corp din fontă ductilă EN-GJS-500-7
Acoperire epoxidică aprobată WRAS,
Acoperire epoxidică aprobată ACS la cerere

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16
Proiectat conform EN545
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Corp din fontă ductilă EN-GJS-500-7
Găurire universală flanșă PN10 / 16

DN	Găurire flanșă	D	L	Greutate	BLUCAST Nr. de ref.
50	PN10/16	165	19	2.4	X050
65	PN10/16	185	19	2.8	X065
80	PN10/16	200	19	3.5	X080
100	PN10/16	220	19	4.1	X100
150	PN10/16	285	19	8.1	X150
200	PN10	340	20	9	X200
250	PN10	400	22	18.7	X250
300	PN10	455	24.5	23.5	X300
400	PN10	565	24.5	41.1	X400
500	PN10	670	26.5	61.1	X500
600	PN10	780	30	94.1	X600

DN	Găurire flanșă	G	D	L	Greutate	BLUCAST Nr. de ref.
50	PN10/16	1"	165	17	2.5	XS0501
50	PN10/16	1 1/4"	165	17	2.5	XS050114
50	PN10/16	1 1/2"	165	17	2.5	XS0502
50	PN10/16	2"	165	17	2.5	XS0502
65	PN10/16	1"	185	19	2.8	XS0651
65	PN10/16	1 1/4"	185	19	2.8	XS065114
65	PN10/16	2"	185	19	2.8	XS0652
80	PN10/16	1"	200	19	3	XS0801
80	PN10/16	1 1/4"	200	19	3	XS080114
80	PN10/16	2"	200	19	3	XS0802
100	PN10/16	1"	220	21	4	XS1001
100	PN10/16	1 1/4"	220	21	4	XS100114
100	PN10/16	1 1/2"	220	21	4	XS100112
100	PN10/16	2"	220	21	4	XS1002
150	PN10/16	2"	285	23	7	XS1502
200	PN10/16	2"	340	23	14	XS2002
250	PN10/16	2"	400	25	19	XS2502
300	PN10/16	2"	455	25	30	XS3002



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



COMPENSATOR DE MONTAJ seria DJ

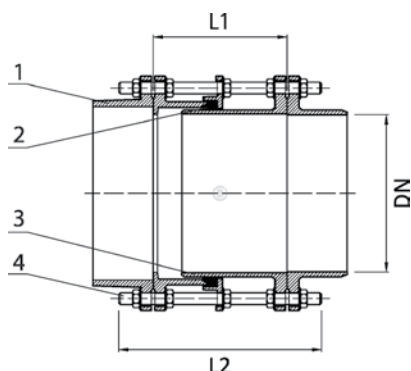


CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16
 Proiectat conform EN545
 Presiune maximă de lucru: PN16 / 16 bar
 Temperatura de lucru: 0°C - + 70°C
 Culoare RAL5015
 Acoperire pulbere epoxidică grosime 250 µm
 Corp din fontă ductilă EN-GJS-500-7
 Şuruburi, piuliţe şi şaibe - oţel carbon 8,8 galvanizat la cald
 Garnitură - EPDM

FITINGURI DIN FONTA DUCTILA

Marime nominala	Găurire flanşă	D	L1 min	L1 max	Şurub	Cantitatea şi dimensiunea găurii	Greutate	BLUCAST Nr. de ref.
DN50	PN10/16	165	170	220	M16	4 x 19	9.6	DJ050
DN65	PN10/16	185	170	220	M16	4 x 19	12.6	DJ065
DN80	PN10/16	200	190	240	M16	8 x 19	15.8	DJ080
DN100	PN10/16	220	200	250	M16	8 x 19	18	DJ100
DN125	PN10/16	250	200	250	M16	8 x 19	22	DJ125
DN150	PN10/16	285	200	250	M20	8 x 23	28.7	DJ150
DN200	PN10	340	200	250	M20	8 x 23	35.5	DJ200
DN200	PN16	340	200	250	M20	12 x 23	41.5	DJ200P
DN250	PN10	400	210	260	M20	12 x 23	53.1	DJ250
DN250	PN16	400	210	260	M24	12 x 28	58.3	DJ250P
DN300	PN10	455	220	270	M20	12 x 23	61.6	DJ300
DN300	PN16	455	220	270	M24	12 x 28	74.5	DJ300P
DN350	PN10	505	230	280	M20	16 x 23	82.5	DJ350
DN400	PN10	565	240	290	M24	16 x 28	95	DJ400
DN500	PN10	670	260	310	M24	20 x 28	126.2	DJ500
DN600	PN10	780	280	330	M27	20 x 31	170	DJ600
DN700	PN10	895	290	340	M27	24 x 31	235	DJ700
DN800	PN10	1015	300	350	M30	24 x 34	248	DJ800
DN900	PN10	1115	310	360	M30	28 x 34	327	DJ900
DN1000	PN10	1230	315	365	M33	28 x 37	354	DJ1000
DN1200	PN10	1455	350	400	M36	32 x 40	507	DJ1200



Nr.	Articol	Material
1	Corp fontă	ductilă EN-GJS-500-7
2	Garnitură	EPDM
3	Corp fontă	ductilă EN-GJS-500-7
4	Şuruburi	8.8 din oţel galvanizat la cald

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



ADAPTOR CU REZISTENTA LA SMULGERE PENTRU TEVI PE/PVC seria APZ

MUFA PENTRU TEVI PE/PVC seria MPZ



APLICAȚII

Adaptoare flanșă dedicate țevilor din PE și PVC

CARACTERISTICI DE PROIECTARE

Conexiunea restrânsă cu inel din alamă previne mișcarea axială a țevii.

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10 și PN16

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

Culoare RAL5015

Acoperire pulbere epoxidică grosime 250 μm

Șuruburi, butoane și șaibe - Oțel inoxidabil A2



APLICAȚII

Cuplaje moderate dedicate țevilor din PE și PVC

CARACTERISTICI DE PROIECTARE

Conexiunea restrânsă cu inelul de alamă previne mișcarea axială a țevii.

CARACTERISTICI TEHNICE

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

Culoare RAL5015

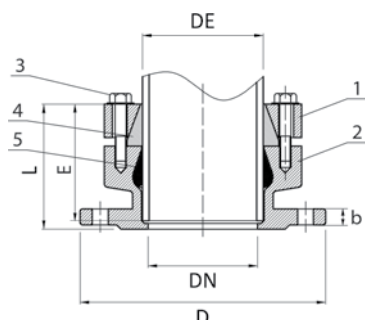
Acoperire cu pulbere epoxidică grosime 250 μm

Șuruburi, piulițe și șaibe: oțel inoxidabil A2

ADAPTORI FLANȘĂ ȘI CUPLAJE

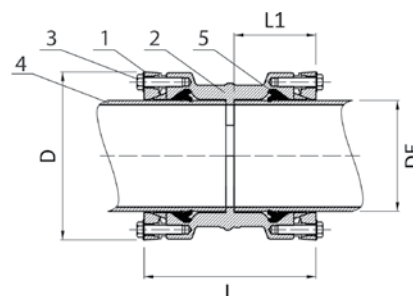
DN	Găurire flanșă	DE	L	D	b	E	KG	BLUCAST Nr. de ref.
50	PN10/16	63	90	165	19	80	4	APZ050063
60	PN10/16	75	92	175	19	82	4.2	APZ060075
65	PN10/16	63	90	185	19	80	4.2	APZ065063
65	PN10/16	75	92	185	19	82	4.2	APZ065075
80	PN10/16	75	92	200	19	82	5	APZ080075
80	PN10/16	90	95	200	19	85	5.1	APZ080090
100	PN10/16	90	95	220	19	85	5.5	APZ100090
100	PN10/16	110	95	220	19	85	5.7	APZ100110
100	PN10/16	125	97	220	19	87	6.4	APZ100125
125	PN10/16	110	95	250	19	85	6.7	APZ125110
125	PN10/16	125	97	250	19	87	6.9	APZ125125
150	PN10/16	160	115	285	19	105	9.8	APZ150160
150	PN10/16	180	125	285	19	115	13	APZ150180
200	PN10/16	200	135	340	20	125	13.1	APZ200200
200	PN10/16	225	138	340	20	128	13.8	APZ200225
250	PN10/16	250	155	400	22	145	19.3	APZ250250
250	PN10/16	280	158	400	22	148	24.9	APZ250280
300	PN10/16	315	184	455	25	174	26.8	APZ300315

Nr.	Articol	Material
1	Suport fontă	ductilă EN-GJS-500-7
2	Corp fontă	ductilă EN-GJS-500-7
3	Șurub	AISI306
4	Inel de blocare	din alamă
5	Garnitură de etanșare	EPDM



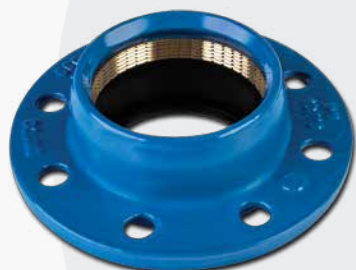
DE	L	D	L1	KG	BLUCAST Nr. de ref.
63	171	124	80	2.6	MPZ063
75	175	138	82	3.8	MPZ075
90	181	152	85	5.1	MPZ090
110	181	172	85	5.7	MPZ110
125	185	193	87	7.1	MPZ125
160	221	236	105	11.5	MPZ160
200	261	284	125	15	MPZ200
225	265	314	128	17.3	MPZ225
250	300	347	145	21	MPZ250
315	358	422	174	37.5	MPZ315

Nr.	Articol	Material
1	Suport fontă ductil	EN-GJS-500-7
2	Corp fontă ductilă	EN-GJS-500-7
3	Șurub	AISI306
4	Inel de blocare	Alamă
5	Garnitură de etanșare	EPDM



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutatea specificate în kg) nu sunt obligatorii și pot fi modificate.

ADAPTOR FLANȘĂ PENTRU ȚEVI PE/PVC seria AQZ



APLICAȚII

Adaptori flanșă dedicați țevelor din PE și PVC

CARACTERISTICI DE PROIECTARE

Conexiunea rapidă cu inelul din alamă împiedică mișcarea axială a țevii.

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10 și PN16

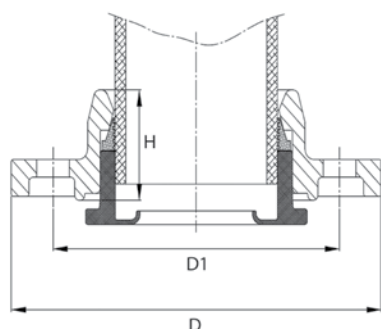
Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 μm

DN	Găurire flanșă	DE	H	D	D1	KG	BLUCAST Nr. de ref.
50	PN10/16	63	45	165	125	2.5	AQZ050063
60-65	PN10/16	63	45	185	125	2.5	AQZ065063
60-65	PN10/16	75	45	185	145	2.6	AQZ065075
80	PN10/16	90	53	200	160	3.3	AQZ080090
100	PN10/16	110	56	220	180	3.5	AQZ100110
125	PN10/16	125	60	250	210	4	AQZ125125
150	PN10/16	160	69	285	240	6.2	AQZ150160
200	PN10	200	74	340	295	8.5	AQZ200200
200	PN10	225	74	340	295	8.7	AQZ200225
250	PN10	250	85	400	355	9	AQZ250250
300	PN10	315	95	455	410	11	AQZ300315
400	PN10	400	105	565	515	14	AQZ400400



Nr.	Articol	Material
1	Corp fontă	ductilă EN-GJS-500-7
2	Inel de blocare	din alamă
3	Garnitura de etanșare	EPDM

ADAPTORI FLANȘĂ ȘI CUPLAJE

Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



ADAPTOR CU FLANSA PENTRU TEVI PE/PVC

seria APE

ADAPTOR FLANȘĂ PENTRU ȚEVI PE/PVC

seria APA



APLICAȚII

Adaptori flanșă dedicați țevelor din PE și PVC

CARACTERISTICI DE PROIECTARE

Conexiunea restrânsă cu inelul din fontă ductilă împiedică mișcarea axială a țevii

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10 și PN16
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Șuruburi și piulițe - 8,8 oțel zincat

APLICAȚII

Adaptori flanșă dedicați țevelor din PE și PVC

CARACTERISTICI DE PROIECTARE

Conexiunea reținută cu dinții de blocare previne mișcarea axială a țevii

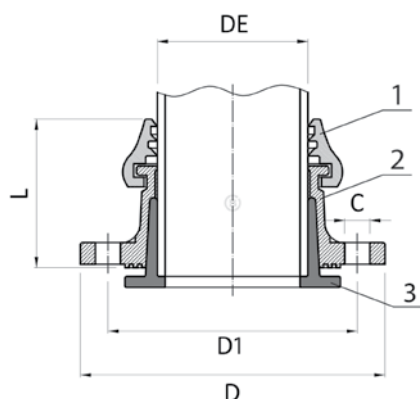
CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Șuruburi și piulițe - 4,8 oțel zincat la cald

ADAPTORI FLANȘĂ ȘI CUPLAJE

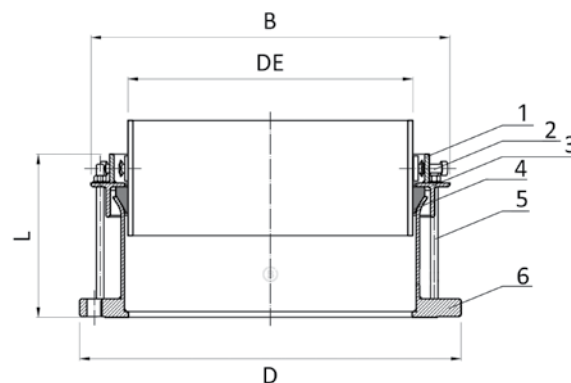
DN	Găurire flanșă	DE	L	D1	D	C	KG	BLUCAST Nr. de ref.
50	PN10/16	63	94	125	165	M16x4	2,8	APE050063
65	PN10/16	75	94	145	185	M16x4	3,2	APE065075
80	PN10/16	90	94	160	200	M16x8	4,3	APE080090
100	PN10/16	110	107	180	220	M16x8	5,4	APE100110
125	PN10/16	125	114	210	250	M16x8	6,4	APE125125
150	PN10/16	160	128	240	285	M20x8	8,5	APE150160
200	PN10	200	135	295	340	M20x8	12	APE200200
250	PN10	250	181	350	405	M20x12	21,4	APE250250
300	PN10	315	198	400	460	M20x12	26,3	APE300315

Nr.	Articol	Material
1	Inel de blocare fontă	ductilă EN-GJS-500-7, zincat
2	Corp fontă ductilă	EN-GJS-500-7
3	Garnitură	EPDM



DN	Găurire flanșă	DE	L	D	B	KG	BLUCAST Nr. de ref.
300	PN10	355	277	455	487	31,4	APA300355
350	PN10	355	285	505	487	35,2	APA350355
400	PN10	400	285	565	532	43,7	APA400
400	PN10	455	285	565	632	52,2	APA400455
450	PN10	455	285	610	632	55	APA450
500	PN10	500	285	670	632	59	APA500
600	PN10	630	285	780	762	72,2	APA600

Nr.	Articol	Material
1	Dinte de restricție	4,8 oțel zincat la cald
2	Șurub	4,8 oțel zincat la cald
3	Suport	EN-GJS-500-7
4	Garnitură	EPDM
5	Șurub	4,8 oțel zincat la cald
6	Corp	EN-GJS-500-7



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutatea specificate în kg) nu sunt obligatorii și pot fi modificate.

ADAPTOR LARGA TOLERANTA UNIVERSAL seria AUN



APLICAȚII

Adaptorul universal cu flanșă se folosește pentru conectarea la diverse materiale pentru țevi cu fittinguri cu flanșă

CARACTERISTICI DE PROIECTARE

Toleranță mare

Găurire universală pentru compatibilitate atât cu PN10, cât și cu PN16

Capetele șuruburilor sunt protejate cu capace din plastic

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 μm

Șuruburi, piulițe și șaibe - oțel carbon 8.8 zincat la cald

Deflecție unghiulară maximă - 4°

MUFA LARGA TOLERANTA UNIVERSALA seria MUN



APLICAȚII

Cuplele universale sunt utilizate pentru conectarea diferitelor țevi

CARACTERISTICI DE PROIECTARE

Toleranță mare

Capetele șuruburilor sunt protejate cu capace din plastic

CARACTERISTICI TEHNICE

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 μm

Șuruburi, butoane și șaibe - oțel carbon 8.8 zincat la cald

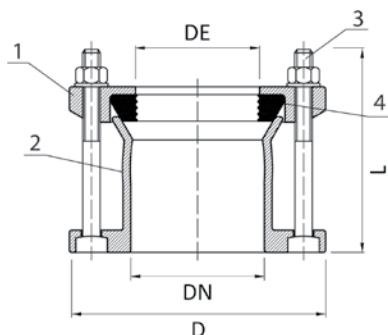
Deflecție unghiulară maximă la fiecare capăt - 4°

ADAPTORI FLANȘĂ ȘI CUPLAJE



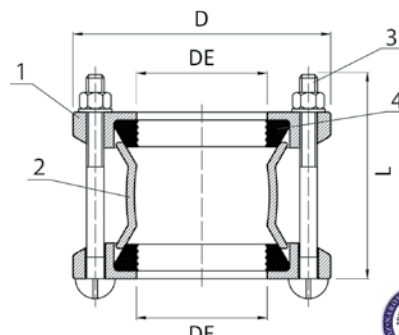
DN	Găurire flanșă	O.D interval	D	L	Șurub cant.	KG	BLUCAST Nr. de ref.
50	PN10/16	59-72	164	M12x130	2	3,4	AUN050
65	PN10/16	72-85	182	M12x130	2	3,6	AUN065
80	PN10/16	88-103	192	M12x140	4	4,4	AUN080
100	PN10/16	109-128	224	M12x140	4	5,2	AUN100
100	PN10/16	107-132	224	M12x140	4	5,2	AUN100107132
125	PN10/16	132-146	246	M12x140	4	7,3	AUN125
125	PN10/16	138-153	246	M12x140	4	7,3	AUN125138153
150	PN10/16	159-182	283	M12x140	4	7,4	AUN150
175	PN10/16	192-210	304	M12x140	4	11	AUN175
200	PN10/16	218-235	333	M12x140	4	10,2	AUN200
250	PN10/16	272-289	394	M12x150	6	13,3	AUN250
300	PN10/16	315-332	421	M12x150	6	17,6	AUN300
400	PN10/16	400-429	580	M16x180	8	34,3	AUN400429
400	PN10/16	417-437	536	M14x180	8	30,5	AUN400
500	PN10/16	500-532	715	M16x180	10	47,7	AUN500532
500	PN10/16	526-546	618	M14x180	10	51,3	AUN500
600	PN10/16	630-650	734	M14x180	10	67,5	AUN600

Nr.	Articol	Material
1	Suport fontă	ductilă EN-GJS-500-7
2	Corp fontă	ductilă EN-GJS-500-7
3	Șurub	8.8 din oțel carbon zincat la cald
4	Garnitură de etanșare	EPDM



DN	O.D interval	D	Șurub	Șurub cant.	KG	BLUCAST Nr. de ref.
50	59-72	164	M12x180	2	2,6	MUN050
65	72-85	182	M12x180	2	2,8	MUN065
80	88-103	192	M12x180	4	3,7	MUN080
100 to 80	88-103 / 109-128	192 / 224	M12x180	4	4,2	MUN100080
100	109-128	224	M12x180	4	4,6	MUN100
150 to 100	109-128 / 159-182	224 / 283	M12x190	4	6,6	MUN150100
150	159-182	283	M12x190	4	6,9	MUN150
175	192-210	304	M12x190	4	9,2	MUN175
200	218-235	333	M12x210	4	9,7	MUN200
200 to 150	159-182 / 218-235	283 / 333	M12x210	4	8	MUN200150
250	272-289	394	M12x220	6	12,5	MUN250
300	315-332	421	M12x220	6	15,3	MUN300
400	417-437	536	M14x250	8	28	MUN400
500	526-546	618	M14x250	10	38,5	MUN500
600	630-650	734	M14x250	10	58,75	MUN600

Nr.	Articol	Material
1	Suport fontă ductilă	EN-GJS-500-7
2	Corp fontă ductilă	EN-GJS-500-7
3	Șurub	8.8 din oțel carbon zincat la cald
4	Garnitură de etanșare	EPDM



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutatea specificate în kg) nu sunt obligatorii și pot fi modificate.



COLIER BRANSARE FONTA seria BPE



APLICAȚII

Șeile BLUCAST pentru țevile din PE/PVC sunt ușor de montat, nu necesită întreținere și sunt concepute pentru o durată lungă de viață

CARACTERISTICI TEHNICE

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

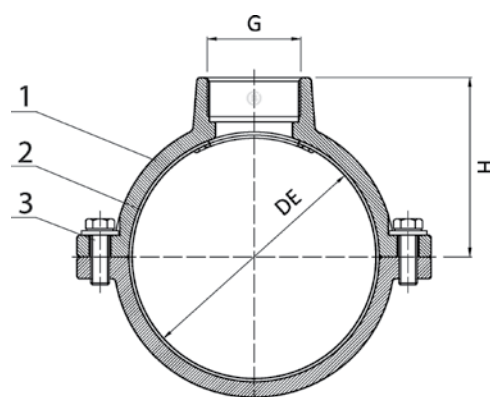
Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 μm

ȘEI CONECTOARE

DN	DE	G	Lungime	H	Greutate	BLUCAST Nr. de ref.
DN50	50	1"	100	84	0.8	BPE0501
DN50	50	1 1/4"	100	84	0.8	BPE050114
DN50	50	1 1/2"	100	84	0.8	BPE050112
DN63	63	1"	100	97	1.2	BPE0631
DN63	63	1 1/4"	100	97	1.2	BPE063114
DN63	63	1 1/2"	100	97	1.2	BPE063112
DN63	63	2"	100	97	1.2	BPE0632
DN75	75	1"	100	111	1.35	BPE0751
DN75	75	1 1/4"	100	111	1.35	BPE075114
DN75	75	1 1/2"	100	111	1.35	BPE075112
DN75	75	2"	100	111	1.35	BPE0752
DN90	90	1"	100	124	1.7	BPE0901
DN90	90	1 1/4"	100	124	1.7	BPE090114
DN90	90	1 1/2"	100	124	1.7	BPE090112
DN90	90	2"	100	124	1.7	BPE0902
DN110	110	1"	110	148	2.3	BPE1101
DN110	110	1 1/4"	110	148	2.3	BPE110114
DN110	110	1 1/2"	110	148	2.3	BPE110112
DN110	110	2"	110	148	2.3	BPE1102
DN160	160	1"	125	209	5	BPE1601
DN160	160	1 1/4"	125	209	5	BPE160114
DN160	160	1 1/2"	125	209	5	BPE160112
DN160	160	2"	125	209	5	BPE1602
DN200	200	1"	125	251	8.5	BPE2001
DN200	200	1 1/4"	125	251	8.5	BPE200114
DN200	200	1 1/2"	125	251	8.5	BPE200112
DN200	200	2"	125	251	8.5	BPE2002
DN250	250	2"	168	351	13	BPE2502
DN315	315	2"	195	385	17.5	BPE3152

Nr.	Articol	Material
1	Corp fontă	ductilă EN-GJS-500-7
2	Garnitură	EPDM
3	Șuruburi	din oțel inoxidabil AISI304





APLICAȚII

Șeile cu flanșă BLUCAST pentru țevi PE/PVC sunt ușor de montat, nu necesită întreținere și sunt concepute pentru o durată lungă de viață

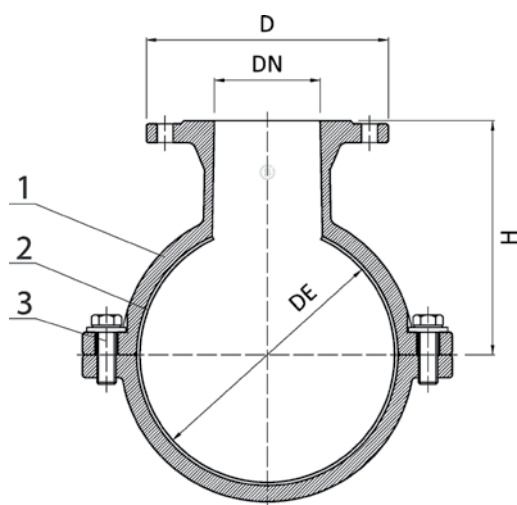
CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10 și PN16
 Presiune maximă de lucru: PN16 / 16 bar
 Temperatura de lucru: 0°C - + 70°C
 Culoare RAL5015
 Acoperire cu pulbere epoxidică minim 250 μm grosime



DE	DN	L	H	D	PN	Greutate	BLUCAST Nr. de ref.
110	50	200	165	165	PN10/16	7.7	BPF110050
110	65	200	165	185	PN10/16	8.8	BPF110065
110	80	200	165	200	PN10/16	9.6	BPF110080
160	50	230	190	165	PN10/16	12.9	BPF160050
160	80	230	190	200	PN10/16	15.9	BPF160080
160	100	230	190	220	PN10/16	17	BPF160100
200	50	230	220	165	PN10/16	16.3	BPF200050
200	80	230	230	200	PN10/16	17.2	BPF200080
200	100	230	230	220	PN10/16	18.4	BPF200100
225	50	230	240	165	PN10/16	18.7	BPF225050
225	80	230	240	200	PN10/16	20.5	BPF225080
225	100	230	240	220	PN10/16	21.8	BPF225100
250	50	300	230	165	PN10/16	21.2	BPF250050
250	80	300	240	200	PN10/16	22.2	BPF250080
250	100	300	240	220	PN10/16	23.5	BPF250100
250	150	300	240	285	PN10/16	31.4	BPF250150
315	50	300	295	165	PN10/16	31	BPF315050
315	80	300	295	200	PN10/16	32.2	BPF315080
315	100	300	315	220	PN10/16	33.1	BPF315100
315	150	300	315	285	PN10/16	37.6	BPF315150
400	80	390	330	200	PN10/16	44.7	BPF400080
400	100	390	330	220	PN10/16	45.8	BPF400100
400	150	390	330	285	PN10/16	48.6	BPF400150

Nr.	Articol	Material
1	Corp fontă	ductilă EN-GJS-500-7
2	Garnitură	EPDM
3	Șuruburi	din oțel inoxidabil AISI304





APLICAȚII

Șeile BLUCAST pentru țevi din fontă ductilă sunt ușor de montat, nu necesită întreținere și sunt proiectate pentru o durată lungă de viață.

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16
Proiectat conform EN545
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Corp din fontă ductilă EN-GJS-500-7



APLICAȚII

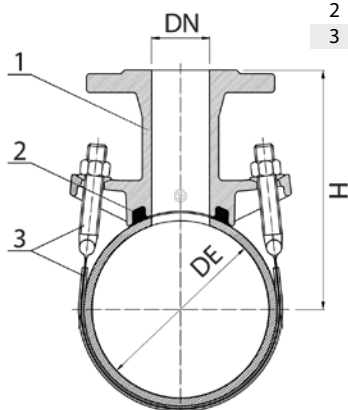
Șeile BLUCAST din seria BK pot fi utilizate cu diferite dimensiuni ale conductelor.
Proiectat pentru a fi utilizat cu benzi din oțel inoxidabil seria JB.

CARACTERISTICI TEHNICE

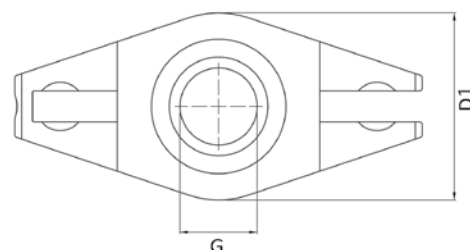
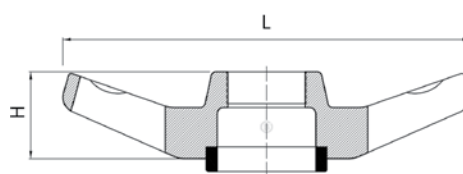
Presiune maximă de lucru: PN16 / 16 bar
Temperatura de lucru: 0°C - + 70°C
Culoare RAL5015
Acoperire cu pulbere epoxidică grosime 250 μm
Corp din fontă ductilă EN-GJS-500-7
Garnitură: EPDM

DN	DE interval	Leșire DN	H	N-M	Greutate	BLUCAST Nr. de ref.
80	75-98mm	50	155	4-M12	10	BKF080050
100	97-118mm	50	165	4-M12	12,9	BKF100050
100	97-118mm	65	165	4-M12	13,4	BKF100065
100	97-118mm	80	170	4-M12	13,6	BKF100080
150	158-177mm	50	190	4-M16	15,6	BKF150050
150	158-177mm	80	200	4-M16	16,4	BKF150080
150	158-177mm	100	205	4-M16	16,7	BKF150100
200	206-233mm	50	225	6-M16	17	BKF150050
200	206-233mm	80	225	6-M16	17,4	BKF200080
200	206-233mm	100	230	6-M16	17,7	BKF200100
200	206-233mm	150	245	6-M16	18,3	BKF200150
250	260-286mm	100	270	6-M16	18,6	BKF250100
250	260-286mm	150	280	6-M16	19,4	BKF250150
300	313-338mm	100	300	8-M16	22,2	BKF300100
300	313-338mm	150	310	8-M16	24,8	BKF300150
400	400-435mm	100	405	4-M16	24,4	BKF400100
400	400-435mm	150	405	6-M16	27,1	BKF400150
500	506-535mm	100	455	4-M16	25,6	BKF500100
500	506-535mm	150	455	6-M16	30,1	BKF500150
600	610-640mm	100	505	4-M16	26,9	BKF600100
600	610-640mm	150	505	6-M16	35,8	BKF600150

Nr.	Articol	Material
1	Corp fontă	ductilă EN-GJS-500-7
2	Garnitură	EPDM
3	Benzi, piulițe	din oțel inoxidabil AISI304



DN	G	H	L	Greutate	D1	Curele necesare	BLUCAST Nr. de ref.
50-200	1"	45	150	1.1	70	1	BK0502001
50-200	1 1/4"	45	150	1.1	70	1	BK050200114
50-200	1 1/2"	45	150	1.1	70	1	BK050200112
100-300	1"	45	195	2.7	92	1	BK1003001
100-300	1 1/4"	45	195	2.7	92	1	BK100300114
100-300	1 1/2"	45	195	2.7	92	1	BK100300112
100-300	2"	45	195	2.7	92	1	BK1003002
150-400	2"	65	216	5.9	157	2	BK1504002



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.

SA BRANSARE CU PRINDERE FLANSA

seria BFL



APLICAȚII

Șeile BLUCAST seria BFL pentru țevi din fontă ductilă au dimensiuni universale. Proiectate pentru a fi utilizate cu benzi din oțel inoxidabil JB.

CARACTERISTICI TEHNICE

Conexiuni la capătul flanșei conform EN1092-2: PN10/PN16

Proiectat conform EN545

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 μm

Garnitură: EPDM

Corp din fontă ductilă EN-GJS-500-7

2 buc. benzi JB per șa

BANDĂ OȚEL INOXIDABIL seria JB



APLICAȚII

Benzile din oțel inoxidabil JB trebuie utilizate cu șeile BK sau șeile BFL.

CARACTERISTICI TEHNICE

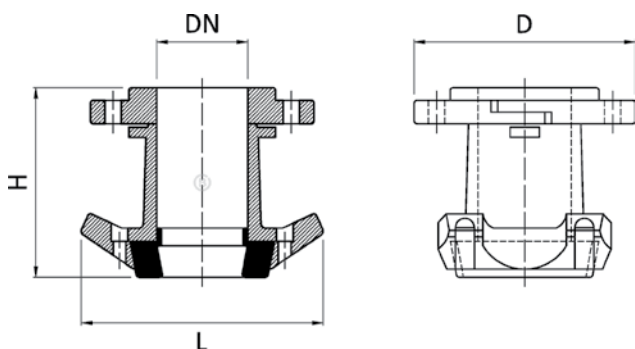
Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

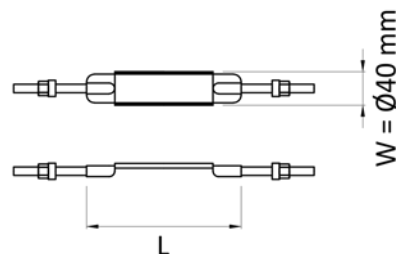
Corp din oțel inoxidabil AISI304

Garnitură EPDM

DN	Leșire DN	H	L	Greutate	BLUCAST Nr. de ref.
150 - 400	80	165	220	9.2	BFL150400080
250 - 400	100	165	220	10.5	BFL250400100



DE interval	BK 50-200	BK100-300	BK150-400	L	Greutate	BLUCAST Nr. de ref.
60-77	x			160	0.32	JBK060077
77-95	x			200	0.34	JBK077095
98-119	x			270	0.39	JBK098119
102-122	x	x		278	0.40	JBK102122
120-150	x	x		295	0.42	JBK120150
125-135	x	x		295	0.43	JBK125135
139-160	x	x	x	368	0.47	JBK139160
150-180	x	x	x	392	0.49	JBK150180
200-230		x	x	530	0.56	JBK200230
230-250		x	x	610	0.60	JBK230250
250-280		x	x	675	0.65	JBK250280
285-315		x	x	770	0.71	JBK285315
315-340		x	x	860	0.77	JBK315340
410-435			x	1060	0.92	JBK410435



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



COLIER DE REPARATIE seria RM



APLICAȚII

Cleme de reparație cu bandă simplă și dublă utilizate pentru repararea defectelor sau scurgerilor de conducte de apă din fontă ductilă, oțel, PE sau PVC.

CARACTERISTICI TEHNICE

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

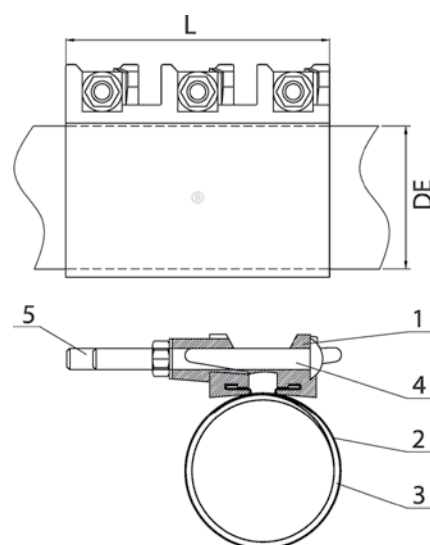
Culoare RAL5015

Acoperire cu pulbere epoxidică grosime 250 μm

ALTE PRODUSE

DEmin	DEmax	Lungime	Greutate	PN	BLUCAST Nr. de ref.
60	67	200	4.2	PN16	RM060200
75	85	200	4.3	PN16	RM075200
75	85	300	6	PN16	RM075300
88	98	200	4.4	PN16	RM088200
88	98	300	6.2	PN16	RM088300
108	118	200	4.7	PN16	RM108200
108	118	300	6.5	PN16	RM108300
115	128	200	4.6	PN16	RM115200
115	128	300	6.9	PN16	RM115300
132	144	200	4.7	PN16	RM132200
132	144	300	7.1	PN16	RM132300
151	161	200	4.8	PN16	RM151200
151	161	300	7.2	PN16	RM151300
158	172	200	4.9	PN16	RM158200
158	172	300	6.9	PN16	RM158300
168	182	200	4.9	PN16	RM168200
168	182	300	7.4	PN16	RM168300
193	203	200	5	PN16	RM193200
193	203	300	7.5	PN16	RM193300
217	229	200	5.5	PN16	RM217200
217	229	300	7.8	PN16	RM217300
243	260	200	5.8	PN16	RM243200
243	260	300	8.6	PN16	RM243300
270	288	200	5.9	PN16	RM270200
270	288	300	8.1	PN16	RM270300
304	323	200	6	PN16	RM304200
304	323	300	8.1	PN16	RM304300
323	336	200	6.2	PN16	RM323200
323	336	300	9.3	PN16	RM323300
410	432	300	15.2	PN16	RMD410300
410	432	400	21	PN16	RMD410400
510	540	400	21.7	PN16	RMD510400
630	660	500	36.6	PN16	RMD630500

Nr.	Articol	Material
1	Cap	fontă ductilă EN-GJS-500-7
2	Corp	oțel inoxidabil AISI304
3	Garnitură	EPDM
4	Șuruburi	zincate din oțel carbon
5	Capace șurub	PE



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.

COLIER DE REPARAȚIE OȚEL INOXIDABIL seria RMSS



APLICAȚII

Cleme de reparație cu o singură clemă utilizate pentru repararea defectelor sau scurgerilor de conducte de apă din fontă ductilă, oțel, PE sau PVC.

CARACTERISTICI TEHNICE

Presiune maximă de lucru: PN16 / 16 bar

Temperatura de lucru: 0°C - + 70°C

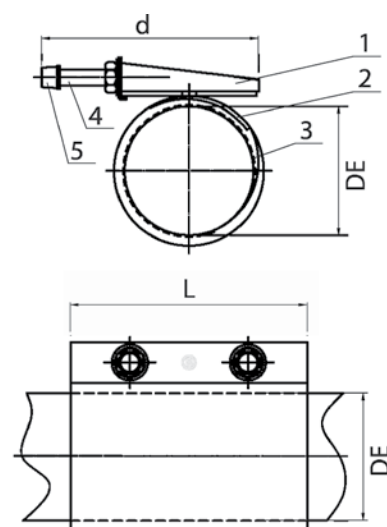
Piulițe șurub acoperite cu nailon pentru a preveni coroziunea



COLIER DE REPARAȚIE

DEmin	DEmax	Lungime	Greutate	PN	BLUCAST Nr. de ref.
60	67	200	1.5	PN16	RMSS060200
75	85	200	2	PN16	RMSS075200
88	98	200	2	PN16	RMSS088200
108	118	200	2.2	PN16	RMSS108200
108	118	300	3.3	PN16	RMSS108300
115	128	200	2.3	PN16	RMSS115200
115	128	300	3.4	PN16	RMSS115300
132	142	200	2.4	PN16	RMSS132200
132	142	300	3.6	PN16	RMSS132300
151	161	200	2.5	PN16	RMSS151200
151	161	300	3.7	PN16	RMSS151300
158	172	200	2.6	PN16	RMSS158200
158	172	300	3.8	PN16	RMSS158300
168	182	200	2.7	PN16	RMSS168200
168	182	300	4.1	PN16	RMSS168300
217	229	200	3.2	PN16	RMSS217200
217	229	300	4.7	PN16	RMSS217300
270	288	200	3.5	PN16	RMSS270200
270	288	300	5.3	PN16	RMSS270300
304	320	200	3.7	PN16	RMSS304200
304	320	300	5.6	PN16	RMSS304300
323	336	200	3.9	PN16	RMSS323200
323	336	300	5.8	PN16	RMSS323300

Nr.	Articol	Material
1	Cap	oțel inoxidabil AISI304
2	Corp	oțel inoxidabil AISI304
3	Garnitură	EPDM
4	Șuruburi	oțel inoxidabil AISI304
5	Capace șurub	PE



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutățile specificate în kg) nu sunt obligatorii și pot fi modificate.



TIJA TELESCOPICA seria TV, FV CUTIE DE PROTECTIE



CARACTERISTICI TEHNICE

Tijă din oțel zincat

Capac plastic

Capacele superioare și inferioare sunt acoperite cu pulbere epoxidică cu grosimea de 250 μm

CARACTERISTICI TEHNICE

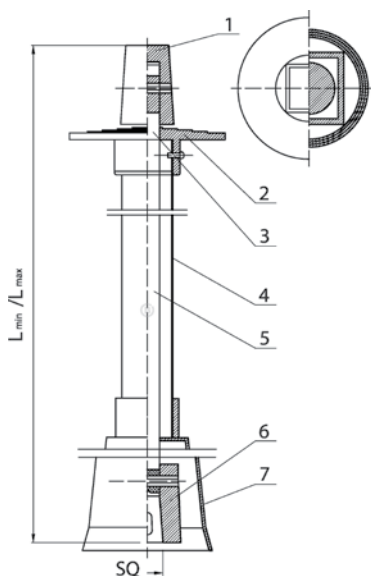
Corp din fontă ductilă EN-GJL-200

Vopsea anticorozivă

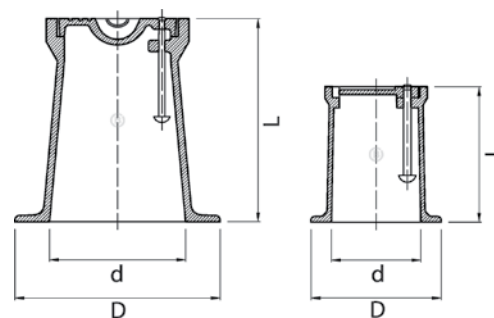
Șurubul zincat menține capacul fixat (versiunea 4050)

DN	SQ	Lmin	Lmax	BLUCAST Nr. de ref.
	10,5	1300	1800	TV1318SQ10
	12	1300	1800	TV1318SQ12
25-80	14	1300	1800	TV1318SQ14
100	17	1300	1800	TV1318SQ17
150-200	19	1300	1800	TV1318SQ19
250	24	1300	1800	TV1318SQ24
300-400	27	1300	1800	TV1318SQ27
500-600	32	1300	1800	TV1318SQ32
	10,5	2000	2500	TV2025SQ10
	12	2000	2500	TV2025SQ12
25-80	14	2000	2500	TV2025SQ14
100	17	2000	2500	TV2025SQ17
150-200	19	2000	2500	TV2025SQ19
250	24	2000	2500	TV2025SQ24
300-400	27	2000	2500	TV2025SQ27
500-600	32	2000	2500	TV2025SQ32
25-600	10,5-32	600	600	FV06SQ/...
25-600	10,5-32	1000	1000	FV10SQ/...
25-600	10,5-32	1500	1500	FV15SQ/...
25-600	10,5-32	2000	2000	FV20SQ/...

	L	d	Greutate	BLUCAST Nr. de ref.
mic	150	110	2,9	4050
mare	270	185	11	4056



Nr.	Articol	Material
1	Capac superior	EN-GJL-250
2	Flanșă	HDPE
3	Conector	oțel zincat
4	Capac	HDPE
5	Ax telescopic	oțel zincat
6	Capac inferior	EN-GJL-250
7	Clopoțel	HDPE



Toate ilustrațiile, datele tehnice, dimensiunile (în mm) și greutatea (toate greutatea specificate în kg) nu sunt obligatorii și pot fi modificate.

CERTIFICATE

G-CERTI Certificate
G-CERTI hereby certifies that

UAB BLUCAST
JSC BLUCAST

Žirmūnų g. 66, LT-09131 Vilnius, Lietuva
Žirmu st. 66, LT-09131 Vilnius, Lithuania

has been audited and certified as meeting the requirements of Scope of registration

ISO 9001:2015 Quality Management Systems

Vožtuvų ir jungiamųjų detalių užsakomoji gamyba, projektavimas ir pardavimas

Contracted manufacturing, design and sales of water supply shut-off valve and fittings

Certificate No : GKLT-0138-QC
Initial Date : 17. Jul. 2017 Issue Date : 10. Jul. 2020
Expiry Date : 16. Jul. 2023 Valid period : 17. Jul. 2020 – 16. Jul. 2023

Signed for and on behalf of GCERTI
President UK Choi

G-CERTI
SYSTEM SERVICE

IAF
ACCREDITED
10019-175

NARODOWY INSTYTUT ZDROWIA PUBLICNEGO
- Państwowy Zakład Higieny
Zakład Bezpieczeństwa Żywnościowego Środowiska

ATEST HIGIENICZNY BK/W/0545/01/2018
HYGIENIC CERTIFICATE ORIGINAL
NATIONAL INSTITUTE OF PUBLIC HEALTH – NATIONAL INSTITUTE OF HYGIENE

Wyrobu / product: Zasowy żelwne, kształtki kolumnowe, adaptery, słodka

Zawierający / containing: żelwne sferyczne, powłokę epoksydową, EPDM

Przeznaczony do / destined: montażu w instalacjach służących do przesyłania wody przeznaczonej do spożycia przez ludzi oraz rozbudowy nurociągów

Wymieniony wyżej produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków / the above-named product is acceptable according to hygienic criteria with the following conditions:
Instalacja służyca do przesyłania wody przeznaczonej do spożycia przez ludzi, przed oddaniem do użytku, należy przepłukać wodą w objętości zapewniającej jej całkowitą wymianę
Atest nie dotyczy parametrów technicznych wyrobów/The hygienic certificate does not apply to technical parameters of the products.

Wytwórca / producer: BLUCAST JSC
LT-09131 Vilnius
Žirmūnų g. 66, Lithuania

Niniejszy dokument wydano na wniosek / this certificate issued for: BLUCAST JSC
LT-09131 Vilnius
Žirmūnų g. 66, Lithuania

Atest może być sprostowany lub unieważniony po przedstawieniu stosownych dowodów przez stronę, której atest traci ważność po 2021-06-20 lub w przypadku zmian w recepturze albo w technologii wytwarzania wyrobu.

The certificate may be corrected or cancelled after appropriate motivation. The certificate loses its validity after 2021-06-20 or in the case of changes in composition or in technology of production.

Data wydania atestu higienicznego: 20 czerwca 2018
The date of issue of the certificate: 20th June 2018

Kontakt w sprawie niniejszego atestu higienicznego / To contact regarding this hygienic certificate
Zakład Bezpieczeństwa Żywnościowego Środowiska / Department of Environmental Health and Safety Laboratory
00-791 Warszawa, ul. Chocimska 24 / 00-791 Warszawa, Chocimska 24, Poland
e-mail: sek-dh@pih.gov.pl tel.: +48 22 54-21-354, +48 22 54-21-348, fax: +48 22 54-21-287

WRAS
APPROVED PRODUCT

This certifies that

BLUCAST JSC.

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

BLUCAST- GATE VALVES: DN50-600
PRODUCT CODE RANGE : 115050, 115065, 115080, 115100, 115125, 115150
115200, 115P200, 115250, 115P250, 115300, 115P300, 115400, 115P400
115500, 115600

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory (www.wras.co.uk/directory/)

The product so mentioned will be valid until the end of:

June 2021

1606371

Certificate No.

Secretary

Chairman, Product Assessment Group

G-CERTI Certificate
G-CERTI hereby certifies that

UAB BLUCAST
JSC BLUCAST

Žirmūnų g. 66, LT-09131 Vilnius, Lietuva
Žirmu st. 66, LT-09131 Vilnius, Lithuania

has been audited and certified as meeting the requirements of Scope of registration

ISO 14001:2015 Environmental Management Systems

Vožtuvų ir jungiamųjų detalių užsakomoji gamyba, projektavimas ir pardavimas

Contracted manufacturing, design and sales of water supply shut-off valve and fittings

Certificate No : GKLT-0138-EC
Initial Date : 19. Jul. 2019 Issue Date : 19. Jul. 2019
Expiry Date : 18. Jul. 2022 Valid period : 19. Jul. 2019 – 18. Jul. 2022

Signed for and on behalf of GCERTI
President UK Choi

G-CERTI
SYSTEM SERVICE

IAF
ACCREDITED
10019-175

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Žirmūnų g. 66, LT-09131 Vilnius, Lithuania
Tel. +370 5 273 5865, +370 5 273 5866, e-mail: info@blucast.eu

www.blucast.eu



GATE VALVE PN16 (F4) series 115



VALVES



APPLICATION

Flanged gate valve for drinking water and neutral liquids up to 70°C

DESIGN FEATURES

- Non rising stainless steel stem
 - Full bore
 - Low closing torque
 - Clockwise closing
 - Maintenance free
 - Guided wedge to ensure correct sealing
- 100% watertight
 - No zones of retention
 - Replaceable wedge nut
 - Dust protection flanges for sizes DN40-DN250
 - Edge protection gasket to avoid damages during transport, storage and assembly for sizes DN40-DN300

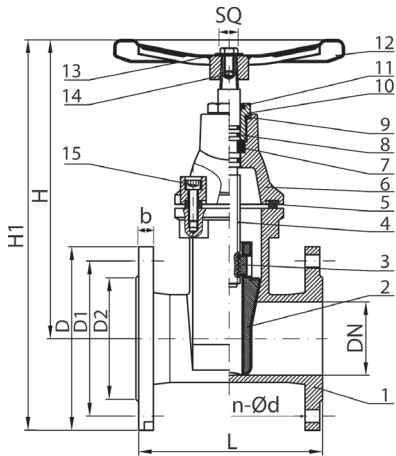
TECHNICAL CHARACTERISTICS

- Design in accordance to EN1074 and EN1171
- Face to face dimensions according to EN 558-1 series 14 and DIN3202 (F4)
- Flange end connections according to EN1092-2: PN10&PN16
- Maximum working pressure: PN16 / 16 bar
- Working temperature: 0°C - +70°C
- Fully vulcanized wedge in EPDM according to EN681
- Stainless steel bolts
- Color RAL5015
- Powder epoxy coating at least 250 µm thickness

OPERATING



DN	Flange drilling	L	H	H1	D	D1	D2	b	n-Ød	SQ	KG	BLUCAST ref. no.
40	PN10/16	140	220	295	150	110	84	16	4-Ø19	14	9	115040
50	PN10/16	150	230	312,5	165	125	99	16	4-Ø19	14	10,6	115050
60/65	PN10/16	170	265	357,5	185	145	118	16	4-Ø19	17	11	115065
80	PN10/16	180	290	390	200	160	132	16	8-Ø19	17	12,6	115080
80	PN10/16	180	290	390	200	160	132	16	4-Ø19	17	12,6	115H080
100	PN10/16	190	335	445	220	180	156	16	8-Ø19	19	18	115100
125	PN10/16	200	380	505	250	210	184	16	8-Ø19	19	26,9	115125
150	PN10/16	210	415	557,5	285	240	211	16	8-Ø23	19	30,2	115150
200	PN10	230	510	680	340	295	266	17	8-Ø23	24	53	115200
200	PN16	230	510	680	340	295	266	17	12-Ø23	24	53	115P200
250	PN10	250	600	800	400	350	319	19	12-Ø23	27	73,5	115250
250	PN16	250	600	800	400	355	319	19	12-Ø28	27	73,5	115P250
300	PN10	270	690	917,5	455	400	370	20,5	12-Ø23	27	107,4	115300
300	PN16	270	690	917,5	455	410	370	20,5	12-Ø28	27	107,4	115P300
350	PN10	290	790	1042,5	505	460	429	22,5	16-Ø23	27	158,4	115350
350	PN10/16	290	790	1050	520	470	429	22,5	16-Ø28	27	158,4	115U350
400	PN10	310	855	1137,5	565	515	480	24	16-Ø28	27	201	115400
400	PN10/16	310	855	1145	580	525	480	24	16-Ø31	27	201	115U400
500	PN10	350	1072	1407	670	620	582	31,5	20-Ø28	32	344	115500
500	PN10/16	350	1072	1429,5	715	650	609	31,5	20-Ø34	32	344	115U500
600	PN10	390	1228	1618	780	725	682	36	20-Ø31	32	543	115600
600	PN10/16	390	1228	1648	840	770	720	36	20-Ø37	32	543	115U600



No.	Item	Material
1	Body	EN-GJS-500-7
2	Wedge	EN-GJS-500-7, EPDM
3	Stem nut	Brass
4	Stem	AISI420
5	Sealing gasket	EPDM
6	Bonnet	EN-GJS-500-7
7	Locating ring	Brass
8	Sealing ring	EPDM
9	Sealing ring	EPDM
10	Sealing nut	Brass
11	Sealing ring	EPDM
12	Handwheel	EN-GJS-500-7
13	Washer	AISI304
14	Bolt	AISI304
15	Bolt	AISI304

All illustrations, technical data, dimensions (in mm) and weights (all weights specified in kg) are non-binding and are subject to change



GATE VALVE PN16 (F4) series 117



APPLICATION

Flanged gate valve for drinking water and neutral liquids up to 70°C

DESIGN FEATURES

- Non rising stainless steel stem
- Full bore
- Low closing torque
- Clockwise closing
- Guided wedge to ensure correct sealing
- 100% watertight
- No zones of retention
- Replaceable wedge nut

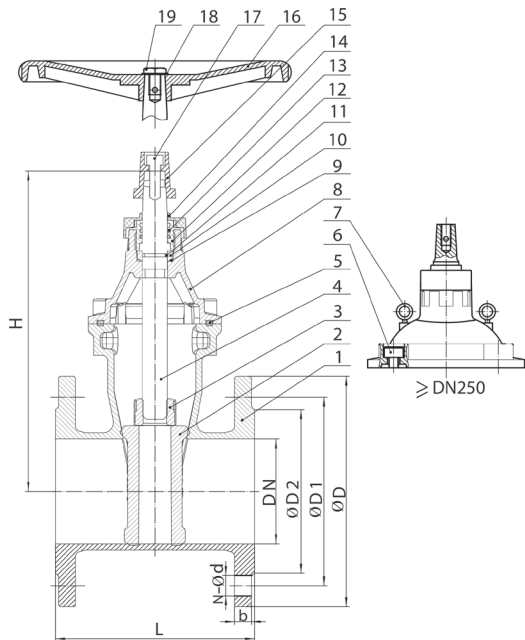
TECHNICAL CHARACTERISTICS

- Design in accordance to EN1074 and EN1171
- Face to face dimensions according to EN 558-1 and DIN3202 (F4)
- Flange end connections according to EN1092-2: PN10&PN16
- Maximum working pressure: PN16 / 16 bar
- Working temperature: 0°C - +70°C
- Fully vulcanized wedge in EPDM according to EN681
- Stainless steel bolts
- Color RAL5015
- Powder epoxy coating at least 250 µm thickness

OPERATING



DN	Flange drilling	L	H	D	D1	D2	b	n-Ød	SQ	KG	BLUCAST ref. no.
50	PN10/16	150	198	165	125	99	16	4x19	14	10.6	117050
65	PN10/16	170	252	185	145	118	16	4x19	14	11	117065
80	PN10/16	180	255	200	160	132	16	8x19	17	12.6	117080
100	PN10/16	190	301	220	180	156	16	8x19	17	18	117100
125	PN10/16	200	336	250	210	184	16	8x19	19	26.9	117125
150	PN10/16	210	364	285	240	211	16	8x23	19	30.2	117150
200	PN10	230	473	340	295	266	17	8x23	24	53	117200
250	PN10	250	550	400	350	319	19	12x23	27	73.5	117250
300	PN10	270	642	455	400	370	20.5	12x23	27	107.4	117300
350	PN10	290	777	505	460	429	20.5	16x23	27	155	117350
400	PN10	310	852	565	515	480	20.5	16x28	27	200.8	117400
450	PN10	330	945	615	565	530	21.5	20x28	27	295	117450
500	PN10	350	1030	670	620	582	22.5	20x28	32	340	117500
600	PN10	390	1165	780	725	682	25	20x32	32	535	117600



No.	Item	Material
1	Body	EN-GJS-500-7
2	Wedge	EN-GJS-500-7, EPDM
3	Wedge nut	Brass
4	Stem	AISI 420
5	Sealing gasket	EPDM
6	Bolts	AISI 304
7	Lifting bolt	AISI 304
8	Bonnet	EN-GJS-500-7
9	Sealing ring	EPDM
10	Sealing ring	EPDM
11	Sealing ring	EPDM
12	Stem nut	Brass
13	Sealing ring	EPDM
14	Dust seal	EPDM
15	Stem cap	EN-GJS-500-7
16	Handwheel	EN-GJS-500-7
17	Bolts	AISI 304
18	Washer	AISI 304
19	Bolts	AISI 304

All illustrations, technical data, dimensions (in mm) and weights (all weights specified in kg) are non-binding and are subject to change

CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON

Laboratoire Agréé pour les analyses d'eaux par le Ministère de la Santé

Laboratoire habilité par le Ministère chargé de la santé en application de l'article R*.1321-52 du code de la santé publique

ATTESTATION DE CONFORMITE SANITAIRE

Certificate of sanitary conformity

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la Santé

Direction Générale de la Santé DGS/SD7A N° 571 du 25 Novembre 2002

Coordonnées du demandeur d'ACS / Contact details of the ACS owner :

BLUCAST
Zirmūņų str. 66
09131 VILNIUS
Lituanie

Nom de l'accessoire représentatif / Reference of the representative accessory :

Robinet vanne à opercule / Resilient gate valve DN80

N° de dossier attribué par le laboratoire habilité / File reference :

20 ACC LY 586

Date de réalisation des essais d'inertie selon la norme XP P41-280 : aucun essai de migration n'est nécessaire

Tests date (according to the standard XP P 41-280) : No testing is required to issue this ACS

Commentaires : ACS basée sur l'ACS 20 ACC LY 294 avec accord écrit du titulaire.

Comments : ACS based on the ACS 20 ACC LY 294 with the written agreement of the owner.

Famille d'accessoires couverte par l'ACS / Accessories' family covered by this certificate :

Robinet vanne à opercule / Resilient gate valves

Référence / Reference (1 référence) :

DN40 - DN1000

Attestation délivrée par / Certificate issued by :

Christelle AUTUGELLE

Signature :

Responsable MCDE

CARSO - L.S.E.H.L.

Date de délivrance / Date of issue : 22 Octobre 2020

Date d'expiration / Expiry date : 29 Juin 2025

Commentaires / Comments : renouvellement / renewal 18 ACC LY 702

F_MC060-b 15/09/2014 MLN

Société par action simplifiée au capital de 2 283 622,38 Euros - RCS Lyon B 410 545 313 - SIRET 410 545 313 00042 - APE 743 B - N° TVA : FR 82 410 545 313

Siège Social et laboratoire : 4, avenue Jean Moulin - CS 30228 - F - 69633 VENISSIEUX cedex - Tél. : (33) 04 72 76 16 16 - Fax : (33) 04 78 72 35 03

Site web : www.groupeccarso.com - e-mail : mcde@groupeccarso.com



VILNIUS, 11/01/2021

DECLARATION OF CONFORMITY NO.: B11/01/21-1

1. Producer: **BLUCAST JSC, Zirmunu str. 66, LT09131 VILNIUS, Lithuania**

2. Product name:

Gate valves 115 PN10/16 (F4, F5, BS) DN40 – DN600

3. Destination and product range to apply:

Ductile cast iron fittings are designed for installation in drinking, sewage water pipe lines, at the temperature of 70°C and the pressure up to 16 bar.

4. Documents of reference:

HYGIENIC CERTIFICATE – BK/W/0545/01-2018

WRAS CERTIFICATE– No.1606371

ACS CERTIFICATE – No.20ACC LY586

CHEMICAL TESTING DIVISION OF NATIONAL PUBLIC HEALTH SURVEILLANCE LABORATORY – Ch3529(Ch 3529)

5. Technical characteristics:

Range of diameters DN: 40 – 600

Flange end connections EN1092-2, ISO2531

Pressure class: PN16

Stem: stainless steel

Drilling of flanges: PN10/16, starting from DN200 – PN10 or PN16

Body material- ductile iron EN-GJS-500-7

Wedge – ductile iron GGG-50, EPDM coating

Coating- epoxy powder coating min. 250ym, RAL5015

PN-EN1074-1; PN-EN1074-2;

I declare with full responsibility that the products mentioned in point 2 are consistent with the documents of reference mentioned in point 4.

Sincerely,
General Manager
Tomas Čepaitis



ATTESTATION Industrie Service
No. IS-SHA-272510 Rev.1

1. Name of the certificate holder: **BLUCAST JSC**

2. Pattern and Size of Product:

Ductile Iron Gate Valves for Water Supply,
Type PN16/DN40~DN600 with body material grade: EN-GJS-500-7 (QT500-7),
and construction dimension per DIN3352 series F4/ DIN3352 series F5.
As detailed in Drawing No.: JMP-F-RZF-F4_F5-50_600-00/01/02/03 dated 2012.11.06.

- The products comply with the requirements of EN 1074-2:2004

Taking into account the following survey carried out by the inspector from Shanghai Office:

- Satisfactory examination of the documents annexed to the Application for Type Approval.
- Satisfactory audit of the above mentioned manufacturer and issuance of the inspection Report No. 229997 and last annual report no.P-PRC-22-01-614638-001 dated on 2022-01-28 as well as refer to previous report no. 216724(first revision).
- Attendance to the satisfactory testing on samples prepared by manufacturer according to related standards.

TÜV SÜD Industrie Service GmbH certifies that the above company has been assessed for Type Approval of its product Ductile Iron Gate Valves for Water Supply, it is found that the products comply with the International Standard mentioned above.

This certificate is valid until January 27th, 2025 based its original certificate no.IS-SHA-229996 Rev.2 meantime it should be provided with annual surveillance audits by TÜV SÜD. It may be extended upon request.

1 st Surveillance		2 nd Surveillance	
Date:	Signature:	Date:	Signature:

At: Shanghai, P. R. China

For

On: January 28th, 2022



ATEST HIGIENICZNY

B.BK.60110.0795.2024

HYGIENIC CERTIFICATE

ORYGINAŁ / ORIGINAL

NATIONAL INSTITUTE OF PUBLIC HEALTH NIH - NATIONAL RESEARCH INSTITUTE

Wyrób / product: **Zasuwy, kształtki kołnierzowe, adaptery kołnierzowe, złączki, opaski naprawcze, hydranty podziemne, siodła/ Valves, flanged fittings, flanged adapters, couplings, repair clamps, underground hydrants, saddles**

Zawierający / containing: żeliwo sferoidalne, powłokę epoksydową, EPDM
spheroidal graphite cast iron, epoxy coating, EPDM

Przeznaczony do / destined: montażu w instalacjach służących do przesyłania wody przeznaczonej do spożycia przez ludzi oraz rozbudowy rurociągów/ for assembly in piping systems for the conveyance of water intended for human consumption and for pipeline expansion

Wymieniony wyżej produkt odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków
/ the above-named product is acceptable according to hygienic criteria with the following conditions:

Instalację służącą do przesyłania wody przeznaczonej do spożycia przez ludzi, przed oddaniem do użytku, należy przepłukać wodą w objętości zapewniającej jej całkowitą wymianę.

Before it is put into use, the piping system for the conveyance of water intended for human consumption must be flushed with a volume of water sufficient to ensure its complete replacement.

Atest nie dotyczy parametrów technicznych wyrobów/The hygienic certificate does not apply to technical parameters of the products.

Wytwórca / producer:

BLUCAST UAB
LT-09131 Wilno / Vilnius
Žirmūnų str. 66, Litwa/ Lithuania

Niniejszy dokument wydano na wniosek / this certificate issued for:

BLUCAST UAB
LT-09131 Wilno/ Vilnius
Žirmūnų str. 66, Litwa/ Lithuania



Atest może być zmieniony lub unieważniony po przedstawieniu stosownych dowodów przez którąkolwiek stronę. Niniejszy atest traci ważność po 2027.06.17 lub w przypadku zmian w recepturze albo w technologii wytwarzania wyrobu.

The certificate may be corrected or cancelled after appropriate motivation. The certificate loses its validity after 2027.06.17 or in the case of changes in composition or in technology of production.

Data wydania atestu higienicznego: 2 lipca 2024

The date of issue of the certificate: 2nd July 2024

Kierownik
Zakładu Bezpieczeństwa Zdrowotnego Środowiska
Manager
of the Department of Environmental Health and Safety

dr hab. Jolanta Solecka, prof. NIZP PZH-PIB
Jolanta Solecka, PhD, Prof. NIPH NIH-NRI



This certifies that

BLUCAST UAB.

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

BLUCAST-GATE VALVES: DN50-400

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

July 2026

Certificate No.

2107127

A handwritten signature in blue ink, appearing to read 'Ian Hughes', with a long horizontal flourish extending to the right.

Ian Hughes,
WRAS Approvals Manager