

Vana de aerisire cu trei functii

Nr.crt.	Specificatii tehnice impuse prin Caietul de sarcini	Corespondenta propunerii tehnice cu specificatiile tehnice impuse prin Caietul de sarcini	Producator
1	Parametrii tehnici si functionali: - Vana cu functii de aerisire la umplerea conductelor, admisie aer la golire si aerisire intimpul functionarii sistemului de alimentare apa; - Certificare potabilitate WRAS; - 100% etanseitate; - Temperatura de lucru: intre -10°C si +90°C; Gama dimensionala: DN 50 – DN 150.	Parametrii tehnici si functionali: - Vana cu functii de aerisire la umplerea conductelor, admisie aer la golire si aerisire intimpul functionarii sistemului de alimentare apa; - Certificare potabilitate WRAS; - 100% etanseitate; - Temperatura de lucru: intre -10°C si +90°C; - Gama dimensionala: DN 50 – DN 150.	CMO Valves
2	Specificatii de performanta si conditii privind siguranta in exploatare: - Respectarea conditiilor de temperatura: -10 ÷ 90°C; - Amplasare: retea distributie apa potabila in camin; - Lichid de lucru: Apa potabila; Montarea se va face conform instructiunilor de montare date de producator.	Specificatii de performanta si conditii privind siguranta in exploatare: - Respectarea conditiilor de temperatura: -10 ÷ 90°C; - Amplasare: retea distributie apa potabila in camin; - Lichid de lucru: Apa potabila; Montarea se va face conform instructiunilor de montare date de producator.	

3	Conditii privind conformitatea cu standardele relevante: – Certificari: ISO 9001 – Certificat WRAS pentru apa potabila; – Aviz sanitar apa potabila; – Teste hidrostatice: EN 12266-1, clasa A; – Marcaj CE; – Fabricat in conformitate cu EN 1074-4 si AWWA C512; – Flansele de prindere conform ISO 7005-2.	Conditii privind conformitatea cu standardele relevante: - Certificari: ISO 9001 - Certificat WRAS pentru apa potabila; - Aviz sanitar apa potabila; - Teste hidrostatice: EN 12266-1, clasa A; - Marcaj CE; - Fabricat in conformitate cu EN 1074-4 si AWWA C512; - Flansele de prindere conform ISO 7005-2.	
4	Conditii de garantie si post-garantie: – Minim 24 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 24 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:		Alte conditii cu caracter tehnic:	
	- Corp <i>GJS500</i> - Plutitor <i>AISI 304</i> - Arc etansare <i>AISI 304</i> - Suruburi <i>ACERO 8.8</i> - Capac <i>GJS500</i> - Deflector <i>STEEL Q235A</i> - Sita <i>AISI 304</i> - Surub <i>ACERO 8.8</i> - Imersat <i>STELL 8.8</i> - Teaca <i>Aluminiu</i> - O-Ring <i>NBR</i> - Garnitura <i>EPDM</i> - Ganitura Purja <i>EPDM</i> - Ghidaj <i>AISI 304</i> - Suport <i>EPDM</i> - Purja <i>AISI 304</i> - Vopsea RAL 5015		- Corp <i>GJS500</i> - Plutitor <i>AISI 304</i> - Arc etansare <i>AISI 304</i> - Suruburi <i>ACERO 8.8</i> - Capac <i>GJS500</i> - Deflector <i>STEEL Q235A</i> - Sita <i>AISI 304</i> - Surub <i>ACERO 8.8</i> - Imersat <i>STELL 8.8</i> - Teaca <i>Aluminiu</i> - O-Ring <i>NBR</i> - Garnitura <i>EPDM</i> - Ganitura Purja <i>EPDM</i> - Ghidaj <i>AISI 304</i> - Suport <i>EPDM</i> - Purja <i>AISI 304</i> - Vopsea RAL 5015	



CMOVALVES
manufacturing the valve you need

51A SERIES



FABRICATION RANGE *AIR RELEASE VALVES*

UTILIZATION:

Air release valves of triple effect, for the evacuation of the air while filling the pipeline, for the admission of air during the emptied of the facilities and for the purge of air during the normal functioning of the installation.

51 - SERIES

AIR RELEASE VALVES



MAIN FEATURES:

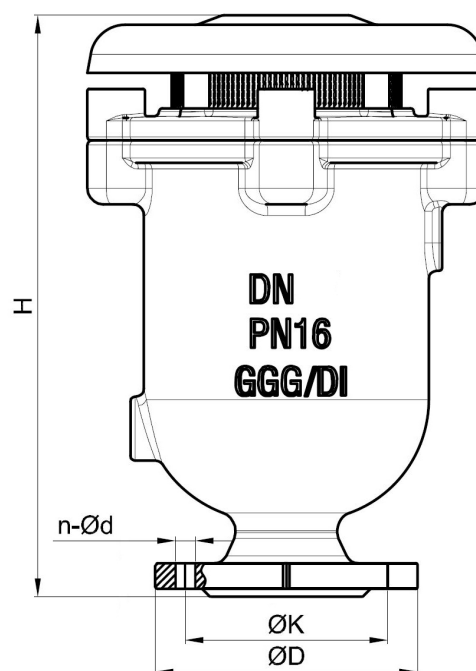
- 100% Water tight.
- Stainless steel purge.
- WRAS certificate for drinking water.
- Working temperature between -10°C and 90°C.

STANDARDS APPLIED:

- Hydrostatic tests according to EN 12266-1, class A.
- EC Directive.
- Construction according to EN 1074-4 and AWWA C512.
- Flange according to ISO 7005-1.

WEIGHTS

DN	Kg.
50	9
80	20
100	26
150	45
200	75
300	175



DIMENSIONS

DN	H	PN10	PN16	PN25	PN10	PN16	PN25	PN10	n-Ød	PN16	PN25
50	280	165	165	165	125	125	125	4-Ø19	4-Ø19	4-Ø19	4-Ø19
80	362	200	200	200	160	160	160	8-Ø19	8-Ø19	8-Ø19	8-Ø19
100	395	220	220	235	180	180	190	8-Ø19	8-Ø19	8-Ø23	8-Ø23
150	485	285	285	300	240	240	250	8-Ø23	8-Ø23	8-Ø28	8-Ø28
200	582	340	340	360	295	295	310	8-Ø23	12-Ø23	12-Ø28	12-Ø28
300	750	445	460	485	400	410	430	12-Ø23	12-Ø28	16-Ø31	16-Ø31

The images and drawings are non contractual.
The specifications of the shown products could vary without previous notice.

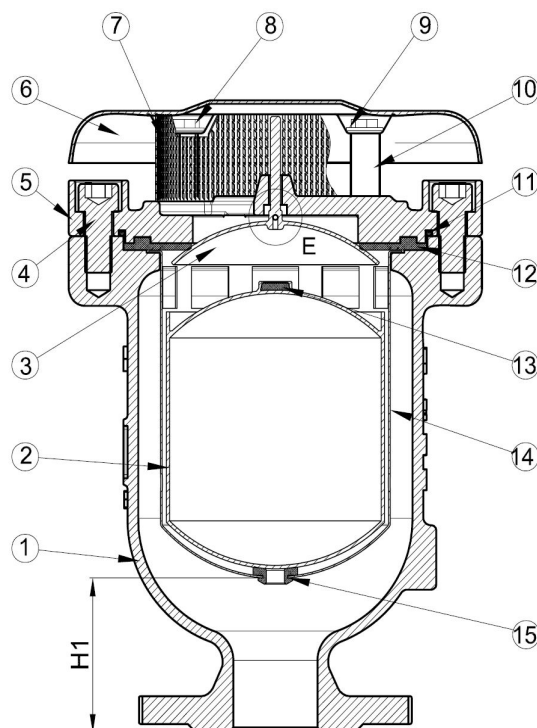
51 - SERIES

AIR RELEASE VALVES

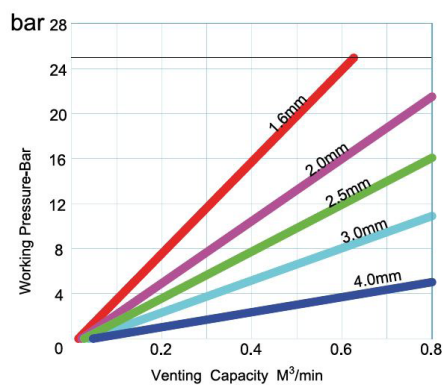


DESCRIPTION:

		MATERIAL
1	BODY	GJS500
2	FLOAT	AISI 304
3	SEALING ARC	AISI 304
4	BOLTS	ACERO 8.8
5	BONNET	GJS500
6	DEFLECTOR	STEEL Q235A
7	SCREEN	AISI 304
8	BOLTS	STEEL 8.8
9	WASHERS	STEEL 8.8
10	PILLAR	ALUMINUM
11	O-RINGS	NBR
12	SEAT	EPDM
13	PURGE SEAT	EPDM
14	GUIDE	AISI 304
15	SUPPORT	EPDM
16	PURGE	AISI 304
	PAINTING RAL 5015	Epoxy 250 μ m

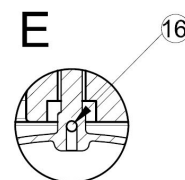


Air release during working conditions



Purge orifice

DN	Ø orifice (mm)
50	1.6
80	2
100	2.5
150	3
200	4
300	4

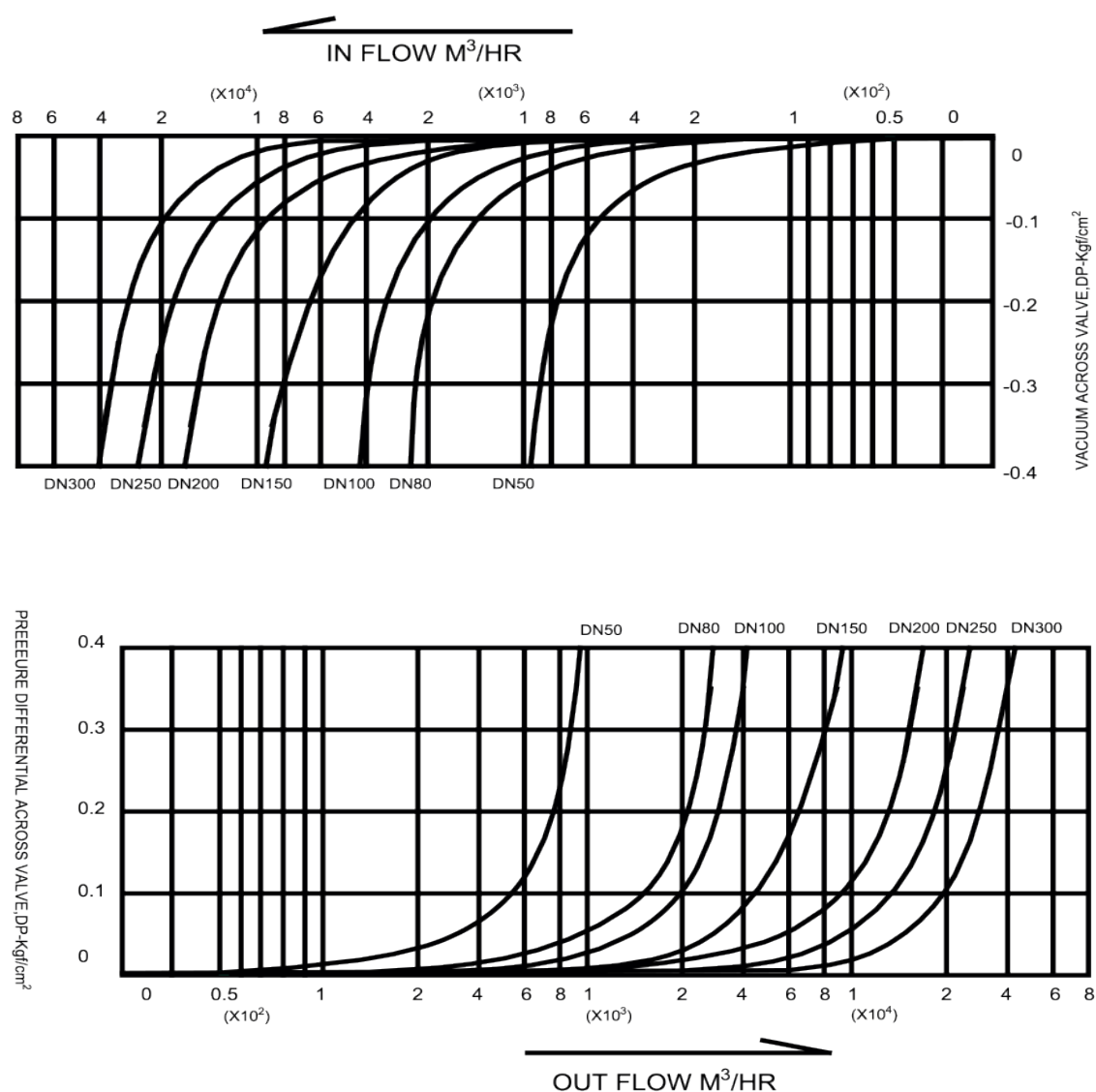


51 - SERIES

AIR RELEASE VALVES



ADMISION AND RELEASE AIR FLOW



Certificate of Approval

This is to certify that the Management System of:

CMO VALVES Technology, S.L.

Amategi Aldea142, 20400 Tolosa - Guipuzcoa, Spain

has been approved by Lloyd's Register to the following standards:

ISO 9001:2015

Approval number(s): ISO 9001 – 0035593

The scope of this approval is applicable to:

Design, manufacturing and commercialization of knife and gate valves, check and butterfly valves.



Paul Graaf

Area Operations Manager, Europe

Issued by: Lloyd's Register Quality Assurance España, S.L.U.

for and on behalf of: Lloyd's Register Quality Assurance Limited



CE DECLARATION OF CONFORMITY DECLARACION DE CONFORMIDAD CE

In conformity with the requirements of the Directive EC 2014/68/UE PED, applicable to pressure equipments, we declare that our **WATER SUPPLIES valves** series:

11 - 12 - 13 - 21 - 22 - 23 - 24 - 25 - 31 - 32 - 33 - 35 - 51 - 53

are classified under Category I (Module A) for fluids of group 1 and 2 or Article 4.3

We issued this statement on our sole responsibility, responsibility for changes affecting the design or operation of the valve will not be accepted, once it has been provided without express acceptance of CMO. The design and manufacture of the pressure equipments, is performed following the EU legislation, under our internal procedures of manufacture, and the European standards:

EN 558
EN 1092
EN 12266
EN ISO 5210
EN 12516

*Conforme a los requerimientos de la directiva CE 2014/68/UE PED, aplicable a equipos a presión, declaramos que las **válvulas WATER SUPPLIES** series:*

11 - 12 - 13 - 21 - 22 - 23 - 24 - 25 - 31 - 32 - 33 - 35 - 51 - 53

se clasifican bajo la Categoría I (Módulo A) para fluidos del grupo 1 y 2, ó Artículo 4.3

Expedimos esta declaración bajo nuestra exclusiva responsabilidad, no se admitirán responsabilidades por modificaciones que afecten al diseño, o funcionamiento de la válvula, una vez haya sido suministrada y sin aceptación expresa de CMO. El diseño y fabricación de los equipos a presión se realiza siguiendo la legislación de la UE, bajo nuestros procedimientos internos de fabricación, y las normas europeas:

EN 558
EN 1092
EN 12266
EN ISO 5210
EN 12516

Signed / Firmado: **Pablo Gómez**
Position / Cargo: **General Manager**



Place and date / Lugar y fecha: **Tolosa, 04/04/2019**

Firma / Signature:

Certification of Products in contact with drinking water

By this certification, CMO Valves guarantees that all components of the valves on the following list, that are in contact with drinking water are WRAS approved material, so they can be used for drinking potable water.

SERIES 11A

SERIES 12A

SERIES 23A

SERIES 24A

SERIES 24B

SERIES 31A

SERIES 32A

SERIES 51A

SERIES 53A



Certified Quality
Management System

Signed / Firmado: CRISTIAN ARRABAL GALAN

Position / Cargo: Technical Director of CMO Valves Water Supplies



Place and date / Lugar y fecha: Tolosa, 21/09/2017

Firma / Signature