## **VEXVE**

## Product Range 2016



### Vexve Oy

With the most comprehensive range, Vexve Oy is one of the world's leading manufacturer of high quality valves specifically developed for the most demanding District Heating and District Cooling applications. Vexve also has an extensive range of valves developed for Oil & Gas applications as well as heating and cooling (HVAC/R) systems. In addition, Vexve also develops and delivers smart control solutions for hydronic systems.

Vexve solutions are designed to deliver the highest possible energy efficiency and cost-effectiveness throughout the entire heating and cooling network – from district heating power stations and centralized cooling plants, to pumping stations and individual buildings.

Vexve manufactures and delivers two high quality valve brands, Vexve® and Naval®, in addition to Hydrox™ hydraulic actuators and Vexve™ smart heating controllers and mixing valves.

Vexve Oy is a Finnish-based family-owned business delivering products and services that save energy and improve the environment. The company has been in operation for more than 50 years and today delivers its products and services worldwide to customers in Helsinki to Beijing, and from Milan to Doha and Moscow. Vexve is known for high quality, fast delivery and superior customer service as well as its specialized expertise in energy and the environment – especially for district heating and cooling.

Vexve Oy's highly advanced, automated production methods along with constant quality monitoring and development are the foundation of Vexve's quality products. To further ensure the highest quality only the best raw materials and components are used in the manufacture of Vexve products. Vexve's operations are ISO9001 & ISO3834-2, ISO14001, and PED certified and manufactured valves meet all required quality criteria and standards including EN488, PED, and GOST.

#### Keep energy under control







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welding/welding, EN (DIN), DN 10-250

Body: DN 10-500 Steel, P235GH (1.0345)

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: FPM
Ball seals: PTFE+C

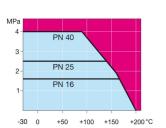
Operation: With zinc-plated steel handle

We recommend manual gear operation for sizes DN 200 and larger

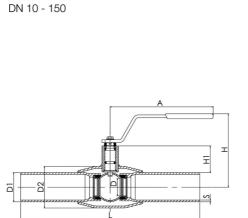


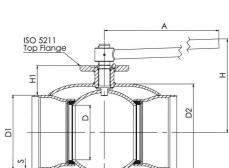
#### Operating conditions

-30°C - +200°C Below 0 °C contact manufacturer



Not for steam





DN 200 - 250

Product no. Vexve	DN	PN	А	D	D1	D2	Н	H1	L	S	kg
100010	10	40	145	10	17.2	33.7	98	22	230	2	0.6
100015	15	40	145	10	21.3	33.7	98	22	230	2	0.6
100020	20	40	145	15	26.9	42.4	103	23	230	2.3	0.8
100025	25	40	145	20	33.7	48.3	118	34	230	2.6	1
100032	32	40	145	25	42.4	60.3	121	33	260	2.6	1.4
100040	40	40	188	32	48.3	70	120	43	260	2.6	1.8
100050	50	40	188	40	60.3	88.9	127	44	300	2.9	2.6
100065	65	25	277.5	50	76.1	101.6	159	62	300	2.9	4
100080	80	25	277.5	65	88.9	121	171	68	300	3.2	5.3
100100	100	25	278.5	80	114.3	146	218	101	325	3.6	8.3
100125	125	25	400	100	139.7	177.8	252	101	325	4	13.4
100150	150	25	600	125	168.3	219.1	272	107	350	4.5	18
100200	200	25	870	150	219.1	273	280	92	400	4.5	39
100250	250	25	1200	200	273	355.6	350	108	530	5	74

welding/welding, EN (DIN), DN 10-50, high

Body: DN 10-500 Steel, P235GH (1.0345)

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: FPM
Ball seals: PTFE+C

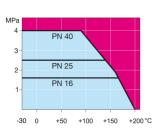
Operation: With zinc-plated steel handle



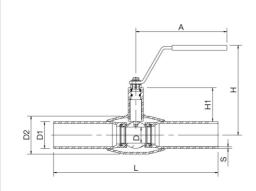
#### Operating conditions

-30°C - +200°C

Below 0 °C contact manufacturer



Not for steam



Product no. Vexve	DN	PN	Α	D	D1	D2	Н	H1	L	kg
100010/H	10	40	145	10	17.2	33.7	128	52	230	0.7
100015/H	15	40	145	10	21.3	33.7	128	52	230	0.7
100020/H	20	40	145	15	26.9	42.4	133	53	230	1
100025/H	25	40	145	20	33.7	48.3	139	55	230	1.1
100032/H	32	40	145	25	42.4	60.3	142	54	260	1.4
100040/H	40	40	188	32	48.3	70	139	62	260	1.9
100050/H	50	40	188	40	60.3	88.9	146	63	300	2.7

welding/welding, EN (DIN), DN 20-200, strong

Body: DN 10-500 Steel, P235GH (1.0345)

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: FPM
Ball seals: PTFE+C

Operation: With zinc-plated steel handle

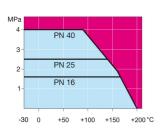
We recommend manual gear operation for sizes DN 200 and larger

DN 15 - 150

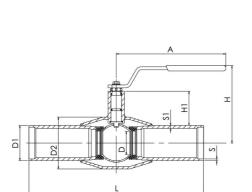


#### Operating conditions

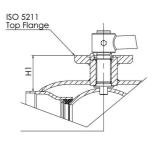
-30°C - +200°C Below 0 °C contact manufacturer



Not for steam







Product no. Vexve	DN	PN	Α	D	D1	D2	Н	H1	L	S	S1	kg
100020/S	20	40	145	20	26.9	48.3	118	37	230	2.6	4.5	1.4
100025/S	25	40	145	20	33.7	48.3	118	34	230	2.6	4.5	1.4
100032/S	32	40	145	25	42.4	60.3	120	33	260	2.6	3.6	1.7
100040/S	40	40	190	32	48.3	70	122	43	260	2.6	4.5	2.5
100050/S	50	40	190	40	60.3	88.9	128	44	300	2.9	4	3.5
100065/S	65	25	280	50	76.1	101.6	159	62	300	2.9	5	5.1
100080/S	80	25	280	65	88.9	121	171	68	300	2.9	5.6	6.6
100100/S	100	25	280	80	114.3	146	216	101	325	3.6	6.3	10.7
100125/S	125	25	400	100	139.7	177.8	253	101	325	4	6.3	16
100150/S	150	25	400	125	168.3	219.1	272	107	350	4.1	7.1	24
100200/S	200	25	870	150	219.1	273	281	92	400	4.5	7.1	43

welding/welding, EN (DIN), DN 300-600

Body: DN 10-500 Steel, P235GH (1.0345)

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: FPM
Ball seals: PTFE+C

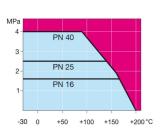
Operation: Valves are available with manual gear or with an electric

or hydraulic actuator: www.vexve.com/en/actuators

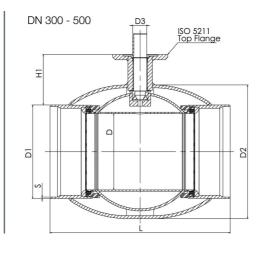


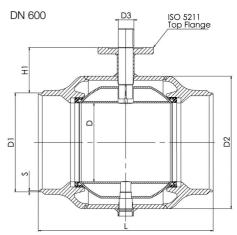
#### Operating conditions

-30°C - +200°C Below 0 °C contact manufacturer



Not for steam





Product no. Vexve	DN	PN	D	D1	D2	D3	H1	L	S	ISO 5211	kg
100300	300	25	250	323.9	457	50	133	550	5.6	F16	110
100350	350	25	290	355.6	508	50	192	686	5.6	F16	170
100400	400	25	340	406.4	610	70	242	762	7	F25	250
100500	500	25	390	508	660	90	259	914	7	F30	400
100600	600	25	489	610	813	90	274	1065	7.1	F30	997

welding/welding, GOST, DN 10-250

Body: DN 10-500 Steel, P235GH (1.0345)

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: FPM
Ball seals: PTFE+C

Operation: With zinc-plated steel handle

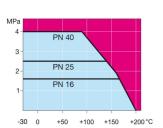
We recommend manual gear operation for sizes DN 200 and larger

DN 10 - 150

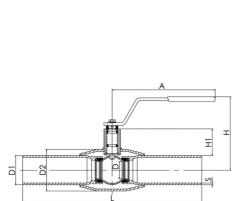


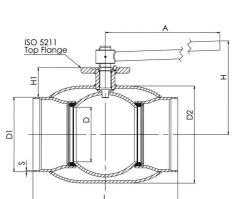
#### Operating conditions

-30°C - +200°C Below 0 °C contact manufacturer



Not for steam





DN 200 - 250

Product no. Vexve	DN	PN	Α	D	D1	D2	Н	H1	L	S	kg
100010/GS	10	40	145	10	17	33.7	98	22	230	2	0.6
100015/GS	15	40	145	10	18	33.7	98	22	230	2	0.6
100020/GS	20	40	145	15	25	42.4	103	23	230	2.3	0.8
100025/GS	25	40	145	20	32	48.3	118	34	230	2.6	1
100032/GS	32	40	145	25	38	60.3	121	33	260	2.6	1.4
100040/GS	40	40	188	32	45	70	120	43	260	2.6	1.8
100050/GS	50	40	188	40	57	88.9	127	44	300	2.9	2.6
100065/GS	65	25	277.5	50	76	101.6	159	62	300	2.9	4
100080/GS	80	25	277.5	65	89	121	171	68	300	3.2	5.3
100100/GS	100	25	278.5	80	108	146	218	101	325	3.6	8.3
100125/GS	125	25	400	100	133	177.8	252	101	325	4	13.4
100150/GS	150	25	600	125	159	219.1	272	107	350	4.5	18
100200/GS	200	25	870	150	219	273	280	92	400	5	39
100250/GS	250	25	1200	200	273	355.6	350	108	530	6	74

welding/welding, GOST, DN 300-600

Body: DN 10-500 Steel, P235GH (1.0345)

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: FPM
Ball seals: PTFE+C

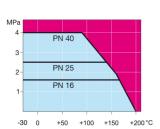
Operation: Valves are available with manual gear or with an electric

or hydraulic actuator: www.vexve.com/en/actuators

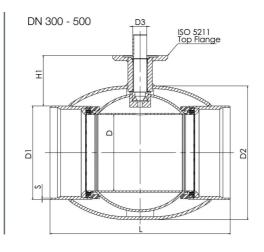


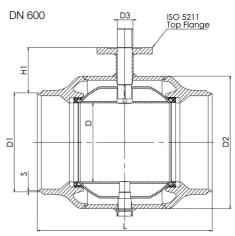
#### Operating conditions

-30°C - +200°C Below 0 °C contact manufacturer



Not for steam





Product no. Vexve	DN	PN	D	D1	D2	D3	H1	L	S	ISO 5211	kg
100300/GS	300	25	250	325	457	50	133	550	7	F16	110
100350/GS	350	25	290	377	508	50	181	686	5.6	F16	170
100400/GS	400	25	340	426	610	70	232	762	7	F25	250
100500/GS	500	25	390	530	660	90	248	914	7	F30	400
100600/GS	600	25	489	630	813	90	265	1065	11	F30	997

# Steel ball valves, reduced bore with gears and actuators

welding/welding, EN (DIN), DN 100-600, with manual gear

Body: DN 10-500 Steel, P235GH (1.0345)

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: FPM
Ball seals: PTFE+C

Operation: Valve is equipped with manual gear.

For type and features of manual gear please refer to:

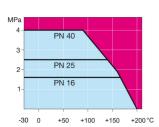
www.vexve.com/en/actuators.



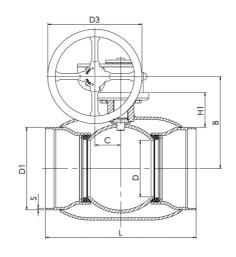
#### Operating conditions

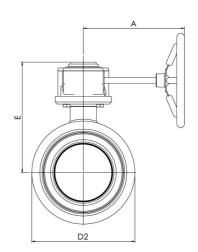
-30°C - +200°C

Below 0 °C contact manufacturer



Not for steam





Product no. Vexve	DN	PN	Α	В	С	D	D1	D2	D3	E	Н	L	S	kg
104100	100	25	186	196	53	80	114.3	146	125	239	105	325	3.6	18
104125	125	25	224	216	53	100	139.7	177.8	200	259	112	325	4	20
104150	150	25	224	236	53	125	168.3	219.1	200	279	118	350	4.1	25
104200	200	25	268	244	69	150	219.1	273	250	293	92	400	4.5	49
104250	250	25	301	294	97	200	273	355.6	300	345	108	530	5	94
104300	300	25	363	343	117	250	323.9	457	500	412	132	550	5.6	152
104350	350	25	363	418	117	290	355.6	508	500	487	192	686	5.6	212
104400	400	25	444	500	138	340	406.4	610	500	573	242	762	7	293
104500	500	25	475	577	180	390	508	660	500	648	259	914	7	467
104600	600	25	475	644	180	489	610	813	500	715	274	1065	7.1	1025

# Steel ball valves, reduced bore with gears and actuators

welding/welding, EN (DIN), DN 700-800, with manual gear

Body: DN 10-500 Steel, P235GH (1.0345)

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: FPM
Ball seals: PTFE+C

Equipment: lifting lugs, drain valve, mounting stand Operation: Valve is equipped with manual gear.

For type and features of manual gear please refer to:

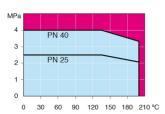
www.vexve.com/en/actuators.



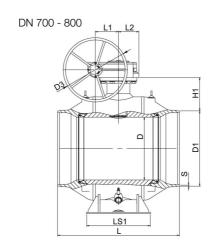
#### Operating conditions

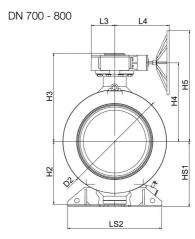
-30°C - +200°C

Below 0 °C contact manufacturer



Not for steam





Product no. Vexve	DN	PN	D	D1	D2	D3	H1	H2	H3	H4	H5	HS1	L	L1	L2	L3	L4	LS1	LS2	S	kg
104700	700	25	589	711	965	700	336	592	881	778	1128	616	1205	253	222	255	593	560	965	8	2700
104800	800	25	684	813	1125	700	365	684	961	858	1208	709	1330	253	222	255	593	700	1028	8.8	4050

Available also PN 40

# Steel ball valves, reduced bore with gears and actuators

welding/welding, GOST, DN 100-600, with manual gear

Body: DN 10-500 Steel, P235GH (1.0345)

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

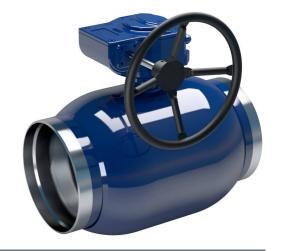
Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: FPM
Ball seals: PTFE+C

Operation: Valve is equipped with manual gear.

For type and features of manual gear please refer to:

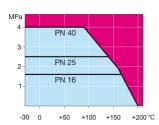
www.vexve.com/en/actuators.



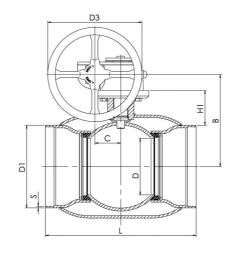
#### Operating conditions

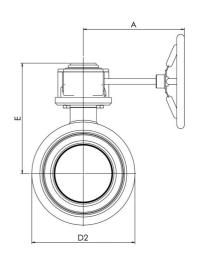
-30°C - +200°C

Below 0 °C contact manufacturer



Not for steam





Product no. Vexve	DN	PN	Α	В	С	D	D1	D2	D3	Е	H1	L	S	kg
104100/GS	100	25	186	196	53	80	108	146	125	239	105	325	3.6	18
104125/GS	125	25	224	216	53	100	133	177.8	200	258	112	325	4	20
104150/GS	150	25	224	236	53	125	159	219.1	200	279	118	350	4.5	25
104200/GS	200	25	268	244	69	150	219	273	250	293	92	400	5	49
104250/GS	250	25	301	294	97	200	273	355.6	300	345	108	530	6	94
104300/GS	300	25	363	343	117	250	325	457	500	412	132	550	7	152
104350/GS	350	25	363	418	117	290	377	508	500	487	192	686	5.6	212
104400/GS	400	25	440	500	138	340	426	610	500	573	342	762	7	293
104500/GS	500	25	471	576	180	390	530	660	500	648	259	914	7	467
104600/GS	600	25	475	475	180	489	630	813	500	714	274	1065	11	1025

### Steel ball valves, reduced bore with gears and actuators

welding/welding, GOST, DN 700-800, with manual gear

DN 10-500 Steel, P235GH (1.0345) Body:

DN 600-800 Steel, P355 NL1 (1.0566)/ GP240GH (1.0619)

Ball: DN 10-600 Stainless steel, X5CrNi18-10 (1.4301)

DN 700-800 Steel + stainless plating, ASTM A350 LF2+Ni

Stem: Stainless steel, X8CrNiS18-9 (1.4305)

Stem seals: **FPM** Ball seals: PTFE+C

Equipment: lifting lugs, drain valve, mounting stand Operation: Valve is equipped with manual gear.

For type and features of manual gear please refer to:

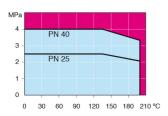
www.vexve.com/en/actuators.



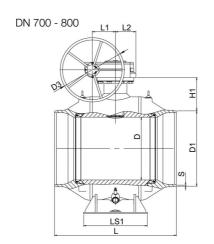
#### Operating conditions

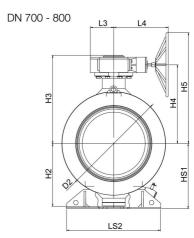
-30°C - +200°C

Below 0 °C contact manufacturer



Not for steam





Product no. Vexve	DN	PN	D	D1	D2	D3	H1	H2	НЗ	H4	H5	HS1	L	L1	L2	L3	L4	LS1	LS2	S	kg
104700/GS	700	25	589	720	965	700	332	592	881	778	1128	616	1205	253	222	255	593	560	965	12	2700
104800/GS	800	25	684	820	1125	700	363	684	961	858	1208	709	1330	253	222	255	593	700	1028	12	4050

#### 22.11.2016 Created by Vexve Oy



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