

VEXVE

Vexve Valves - Product launch

Ball valves DN 600–800



Introduction

Vexve Oy is one of the world's leading manufacturers of high quality valves specifically developed for the most demanding district heating and cooling applications. Vexve's 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.

With both ball and butterfly valves Vexve has today the most extensive product selection for district heating and cooling applications. The latest addition to the Vexve product family includes now fully welded steel ball valves from DN600 up to DN 800 available with both full bore and reduced bore design. Vexve's large size ball valves are available with welded connections according to EN (DIN) and GOST. The valves are equipped with manual gear, electric or hydraulic actuator as per customer requirements.

The standard design steel ball valves (DN600 to DN800) are equipped with a drain valve and mounting stand. Long stem design ball valves (DN600 to DN800) are delivered without the mounting stand.



Shut-off Valves

Ball Valves

Solutions for

- opening and closing district heating lines (shut-off)
- service

Available

- in sizes from DN 10 to DN 800
- with welded connections (recommended) according to EN (DIN) and GOST
- available also with flanged and threaded connections
- with full bore (*Vexve type 150, 153 and 154*) and reduced bore (*Vexve type 100-105*) design
- with manual lever, manual gear, electric or hydraulic actuator
- with drain valve and mounting stand (sizes \geq DN 600)

Characteristics

- fully welded construction
- light weight
- easy to insulate
- space saving design
- easy to install
- easy to operate
- maintenance-free
- long service life
- total bi-directional tightness = EN 12266-1 rate A in both directions
- high Kv-value (minimum pressure loss, minimized pumping costs)
- high-strength materials capable to withstand variable water qualities
- stainless steel or stainless steel plated ball
- trunnion mounted (sizes \geq DN 600)
- spring loaded PTFE ball seals
- blow-out safe stem construction
- stem sealing with double o-rings
- designed and certified according to EN488:2011



Ball valves, steel, reduced bore

Vexve 100 with weld connections, EN (DIN), DN 700 - 800

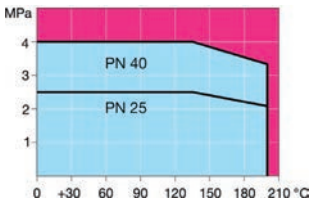
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valves are available with manual gear, electric actuator or hydraulic actuator.
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.

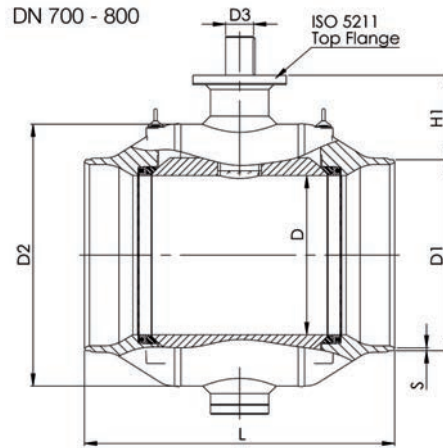


Operating conditions

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



Not for steam



DN	PN	Product no.	D	D1	D2	D3	S	H1	L	ISO 5211	Kv	Kg
700	25	100 700	589	711	965	100	8	336	1205	F35	42000	2500
800	25	100 800	684	813	1125	120	8,8	365	1330	F35	55000	3850

Available also PN40

Ball valves, steel, reduced bore

Vexve 100 with weld connections, EN (DIN), DN 700 - 800, AUMA

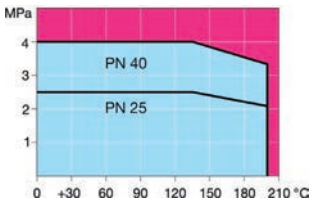
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valve equipped with Auma electric actuator. For type and features of electric actuator please refer to: www.vexve.com/actuators .
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.



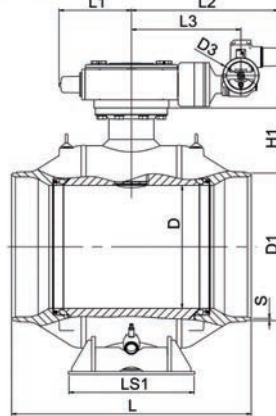
Operating conditions

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

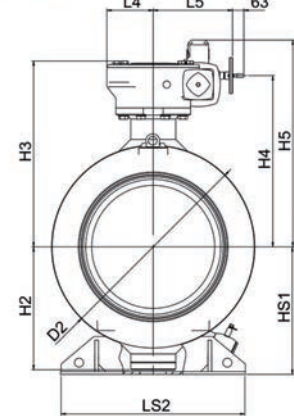


Not for steam

DN 700 - 800



DN 700 - 800



DN	PN	Product no.	D	D1	D2	D3	S	H1	H2	H3	H4	H5	HS1	LS1	LS2	L	L1	L2	L3	L4	L5	Kv	Kg
700	25	100 700/E001	589	711	965	200	8	336	592	912	858	1055	616	560	965	1205	367	760	550	208	391	42000	2700
800	25	100 800/E001	684	813	1125	200	8,8	365	684	1033	953	1150	709	700	1028	1330	402	817	608	258	441	55000	4200

Available also PN40

Ball valves, steel, reduced bore

Vexve 100/GS with weld connections, GOST, DN 700 - 800

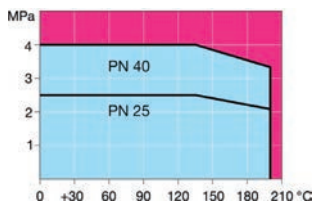
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valves are available with manual gear, electric actuator or hydraulic actuator.
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.

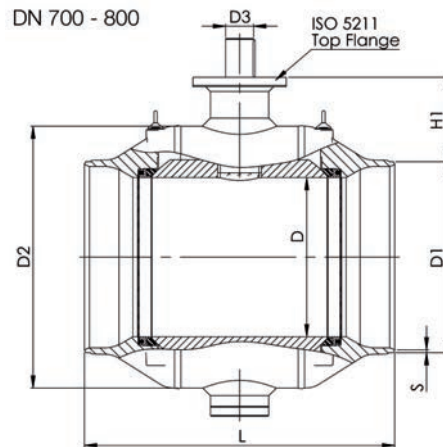


Operating conditions

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



Not for steam



DN	PN	Product no.	D	D1	D2	D3	S	H1	L	ISO 5211	Kv	Kg
700	25	100 700/GS	589	720	965	100	12	332	1205	F35	42000	2500
800	25	100 800/GS	684	820	1125	120	12	362	1330	F35	55000	3850

Available also PN40

Ball valves, steel, reduced bore

Vexve 100/GS with weld connections, GOST, DN 700 - 800, AUMA

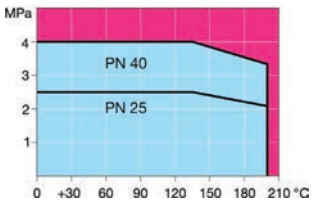
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valve equipped with Auma electric actuator. For type and features of electric actuator please refer to: www.vexve.com/actuators .
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.



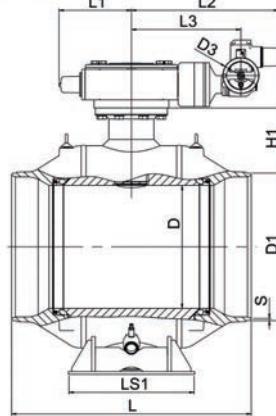
Operating conditions

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

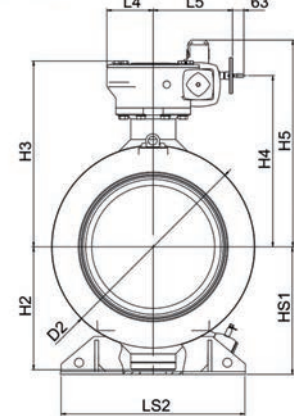


Not for steam

DN 700 - 800



DN 700 - 800



DN	PN	Product no.	D	D1	D2	D3	S	H1	H2	H3	H4	H5	HS1	LS1	LS2	L	L1	L2	L3	L4	L5	Kv	Kg
700	25	100 700/GS/E001	589	720	965	200	12	332	592	912	858	1055	616	560	965	1205	367	760	550	208	391	42000	2700
800	25	100 800/GS/E001	684	820	1125	200	12	363	684	1033	953	1150	709	700	1028	1330	402	817	608	258	441	55000	4200

Available also PN40

Ball valves, steel, reduced bore

Vexve 104 with weld connections, EN (DIN), DN 700 - 800

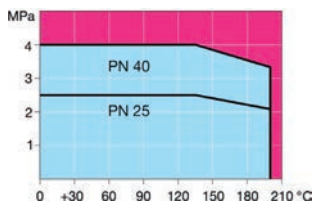
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valve equipped with Progear manual gear. For type and features of manual gear please refer to: www.vexve.com/actuators . Valves are also available with electric or hydraulic actuators.
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.

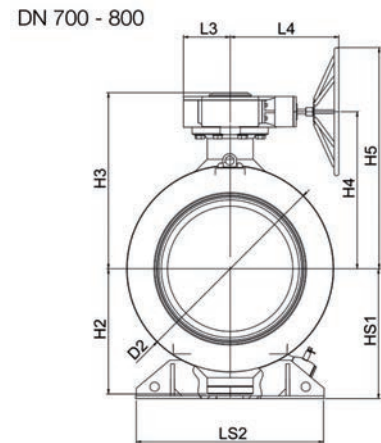
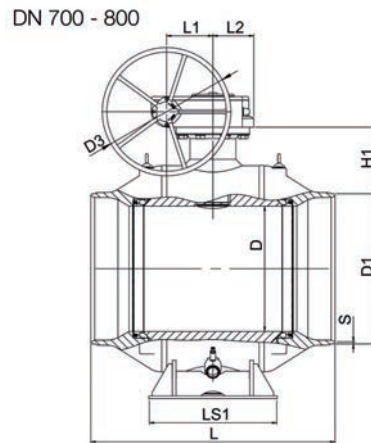


Operating conditions

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



Not for steam



DN	PN	Product no.	D	D1	D2	D3	S	H1	H2	H3	H4	H5	HS1	LS1	LS2	L	L1	L2	L3	L4	Kv	Kg
700	25	104 700	589	711	965	700	8	336	592	881	778	1128	616	560	965	1205	253	222	255	593	42000	2700
800	25	104 800	684	813	1125	700	8,8	365	684	961	858	1208	709	700	1028	1330	253	222	255	593	55000	4050

Available also PN40

Ball valves, steel, reduced bore

Vexve 104/GS with weld connections, GOST, DN 700 - 800

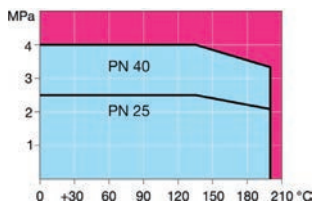
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valve equipped with Progear manual gear. For type and features of manual gear please refer to: www.vexve.com/actuators . Valves are also available with electric or hydraulic actuators.
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.

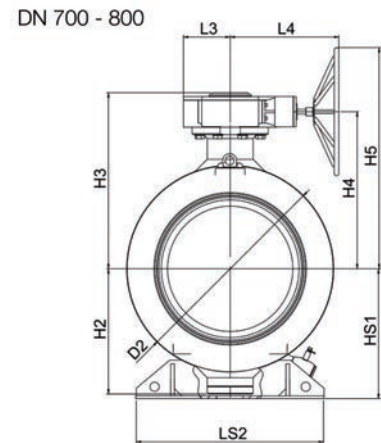
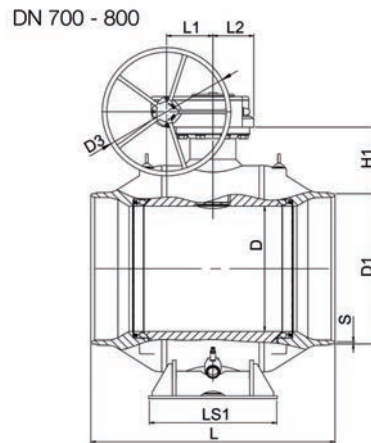


Operating conditions

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



Not for steam



DN	PN	Product no.	D	D1	D2	D3	S	H1	H2	H3	H4	H5	HS1	LS1	LS2	L	L1	L2	L3	L4	Kv	Kg
700	25	104 700/GS	589	720	965	700	12	332	592	881	778	1128	616	560	965	1205	253	222	255	593	42000	2700
800	25	104 800/GS	684	820	1125	700	12	363	684	961	858	1208	709	700	1028	1330	253	222	255	593	55000	4050

Available also PN40

Ball valves, steel, full bore

Vexve 150 with weld connections, EN (DIN), DN 600 - 800

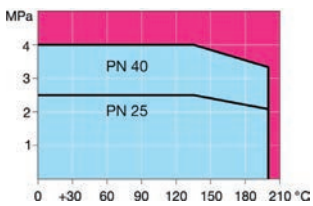
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valves are available with manual gear, electric actuator or hydraulic actuator.
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.

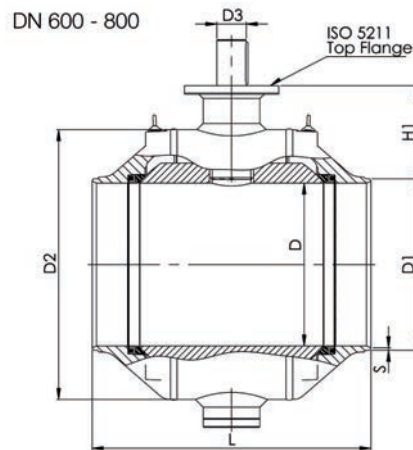


Operating conditions

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



Not for steam



DN	PN	Product no.	D	D1	D2	D3	S	H1	L	ISO 5211	Kv	Kg
600	25	150 600	589	610	965	100	7,1	387	1065	F35	82000	2350
700	25	150 700	684	711	1125	120	8	417	1205	F35	120000	3450
800	25	150 800	779	813	1290	140	8,8	449	1330	F40	174000	5150

Available also PN40

Ball valves, steel, full bore

Vexve 150 with weld connections, EN (DIN), DN 600 - 800, AUMA

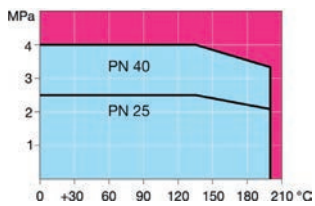
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valve equipped with Auma electric actuator. For type and features of electric actuator please refer to: www.vexve.com/actuators .
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.



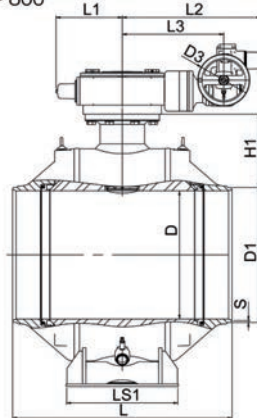
Operating conditions

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

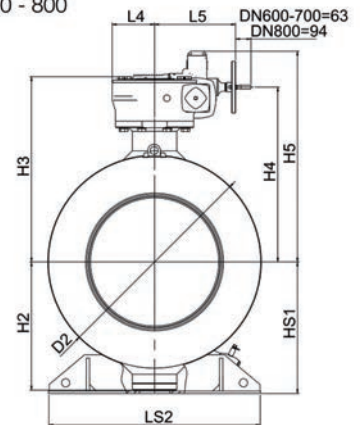


Not for steam

DN 600 - 800



DN 600 - 800



DN	PN	Product no.	D	D1	D2	D3	S	H1	H2	H3	H4	H5	HS1	LS1	LS2	L	L1	L2	L3	L4	L5	Kv	Kg
600	25	150 600/E001	589	610	965	200	7,1	387	592	912	858	1055	616	560	965	1065	367	760	550	208	391	82000	2550
700	25	150 700/E001	684	711	1125	200	8	417	684	1033	953	1150	709	700	1028	1205	402	817	608	258	441	120000	3800
800	25	150 800/E001	779	813	1290	315	8,8	449	779	1126	1062	1281	799	680	1290	1330	402	840	615	258	492	174000	5500

Available also PN40

Ball valves, steel, full bore

Vexve 150/GS with weld connections, GOST, DN 600 - 800

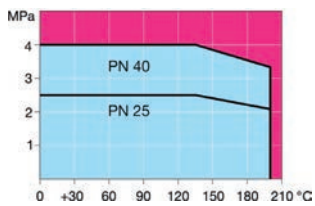
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valves are available with manual gear, electric actuator or hydraulic actuator.
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.

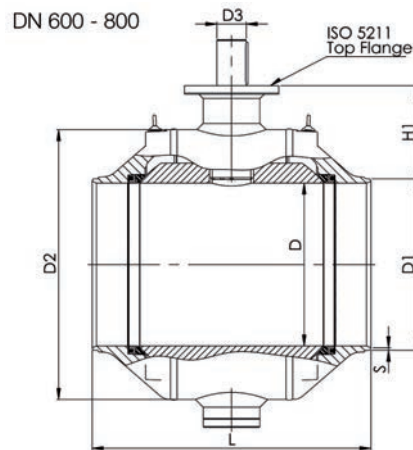


Operating conditions

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



Not for steam



DN	PN	Product no.	D	D1	D2	D3	S	H1	L	ISO 5211	Kv	Kg
600	25	150 600/GS	589	630	965	100	11	377	1065	F35	82000	2350
700	25	150 700/GS	684	720	1125	120	12	413	1205	F35	120000	3450
800	25	150 800/GS	779	820	1290	140	12	445	1330	F40	174000	5150

Available also PN40

Ball valves, steel, full bore

Vexve 150/GS with weld connections, GOST, DN 600 - 800, AUMA

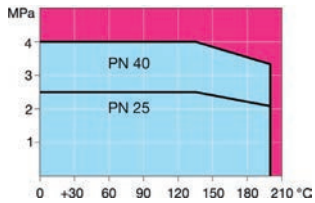
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valve equipped with Auma electric actuator. For type and features of electric actuator please refer to: www.vexve.com/actuators .
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.

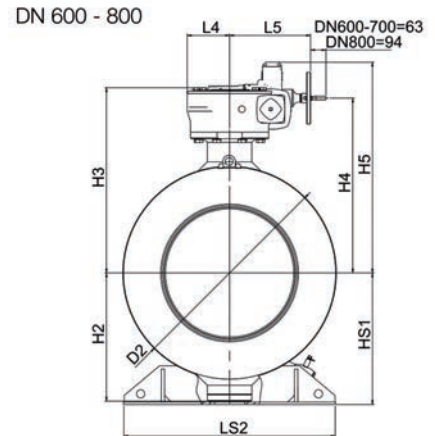
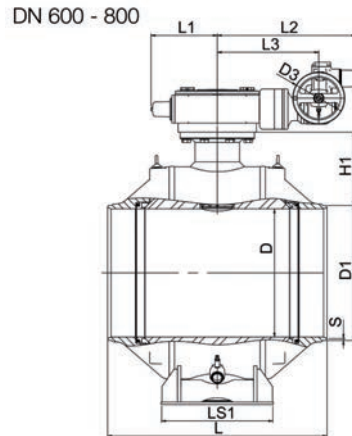


Operating conditions

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



Not for steam



DN	PN	Product no.	D	D1	D2	D3	S	H1	H2	H3	H4	H5	HS1	LS1	LS2	L	L1	L2	L3	L4	L5	Kv	Kg
600	25	150 600/GS/E001	589	630	965	200	11	377	592	912	858	1055	616	560	965	1065	367	760	550	208	391	82000	2550
700	25	150 700/GS/E001	684	720	1125	200	12	413	684	1033	953	1150	709	700	1028	1205	402	817	608	258	441	120000	3800
800	25	150 800/GS/E001	779	820	1290	315	12	445	779	1126	1062	1281	799	680	1290	1330	402	840	615	258	492	174000	5500

Available also PN40

Ball valves, steel, full bore

Vexve 154 with weld connections, EN (DIN), DN 600 - 800

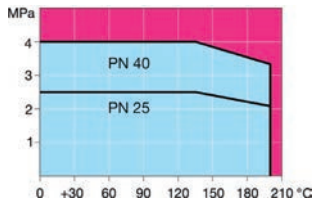
Materials

Body:	Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
Ball:	Steel + stainless plating, ASTM A350 LF2 +Ni
Stem:	Stainless steel, EN X8CrNiS18-9 (1.4305)
Stem seals:	FPM
Ball seals:	Carbonized PTFE
Operation:	Valve equipped with Progear manual gear. For type and features of manual gear please refer to: www.vexve.com/actuators . Valves are also available with electric or hydraulic actuators.
Standard equipment:	As standard valve is delivered with lifting lugs, drain valve and mounting stand.



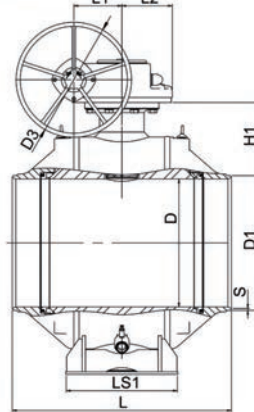
Operating conditions

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

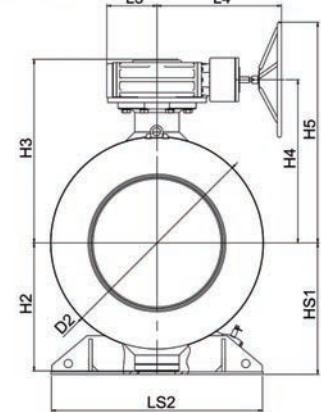


Not for steam

DN 600 - 800



DN 600 - 800



DN	PN	Product no.	D	D1	D2	D3	S	H1	H2	H3	H4	H5	HS1	LS1	LS2	L	L1	L2	L3	L4	Kv	Kg
600	25	154 600	589	610	965	700	7,1	387	592	881	778	1128	616	560	965	1065	253	222	255	593	82000	2550
700	25	154 700	684	711	1125	700	8	417	684	961	858	1208	709	700	1028	1205	253	222	255	593	120000	3650
800	25	154 800	779	813	1290	700	8,8	449	779	1118	993	1343	799	680	1290	1330	292	306	306	757	174000	5500

Available also PN40

Ball valves, steel, full bore

Vexve 154/GS with weld connections, GOST, DN 600 - 800

Materials

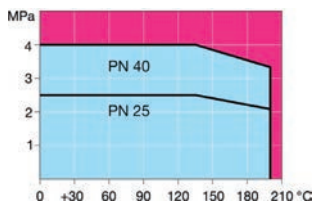
Body: Steel, P355 NL1 (1.0566)/GP240GH (1.0619)
 Ball: Steel + stainless plating, ASTM A350 LF2 +Ni
 Stem: Stainless steel, EN X8CrNiS18-9 (1.4305)
 Stem seals: FPM
 Ball seals: Carbonized PTFE
 Operation: Valve equipped with Progear manual gear.
 For type and features of manual gear please refer to:
www.vexve.com/actuators.
 Valves are also available with electric or hydraulic actuators.

Standard equipment: As standard valve is delivered with lifting lugs, drain valve and mounting stand.



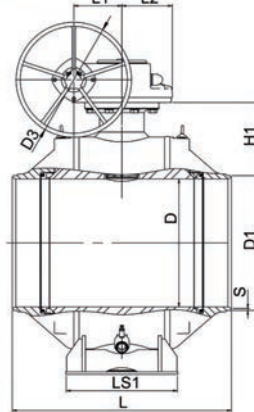
Operating conditions

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

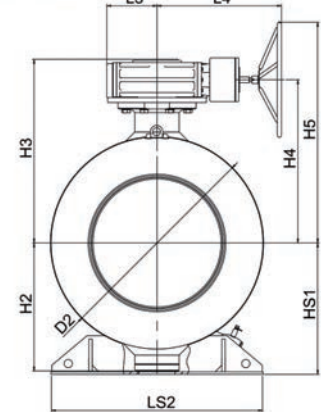


Not for steam

DN 600 - 800

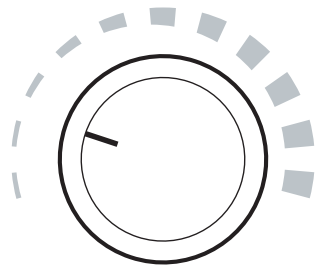


DN 600 - 800



DN	PN	Product no.	D	D1	D2	D3	S	H1	H2	H3	H4	H5	HS1	LS1	LS2	L	L1	L2	L3	L4	Kv	Kg
600	25	154 600/GS	589	630	965	700	11	377	592	881	778	1128	616	560	965	1065	253	222	255	593	82000	2550
700	25	154 700/GS	684	720	1125	700	12	413	684	961	858	1208	709	700	1028	1205	253	222	255	593	120000	3650
800	25	154 800/GS	779	820	1290	700	12	445	779	1118	993	1343	799	680	1290	1330	292	306	306	757	174000	5500

Available also PN40



Keep **energy** under control

VEXVE

Vexve Oy

Pajakatu 11
FI-38200 Sastamala
Finland

Tel.: +358 10 734 0800
Fax: +358 10 734 0839
vexve.customer@vexve.com

www.vexve.com

