

STREAMLINED FLOW VALVE

Outside screw PN 16 with bellows
Maintenance free

ST 2730

Description

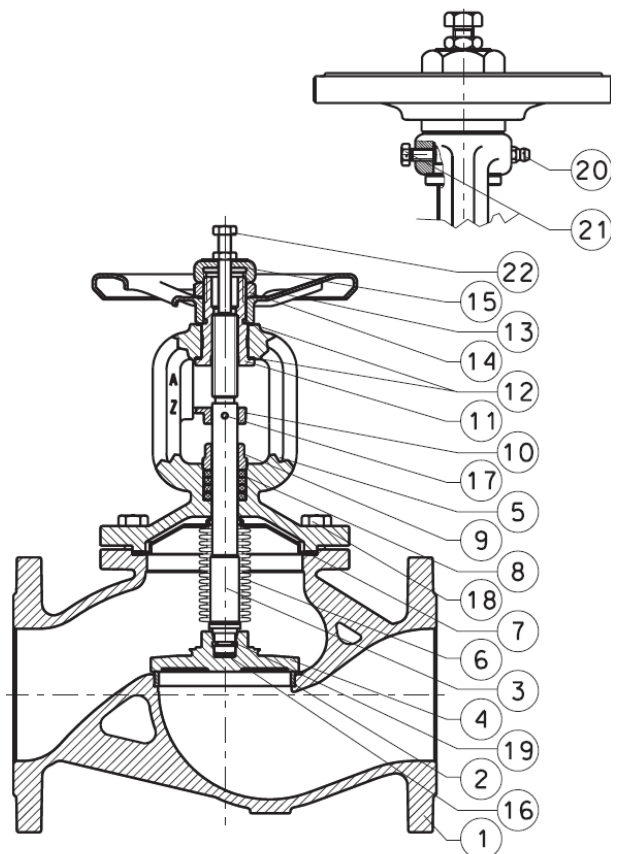
Cast iron body and yoke. Stainless steel stem, bellows, and sealing seats. Graphite + stainless steel gaskets. Carbon steel handwheel. The valve is standard provided by: position indicator, safety backseat on the stem, rise limiter, lubricator, locking set screw. Connection flanges dressed and drilled according to EN 1092-2 PN 16 with raised face.

On request: Bigger sizes
 Flanges with special drillings
 Chain-wheel for remote manoeuvre
 Pneumatic actuator S.A. or D.A. -
 electric actuator with fittings
 Padlock device
 Stellite overlay on seat and disc



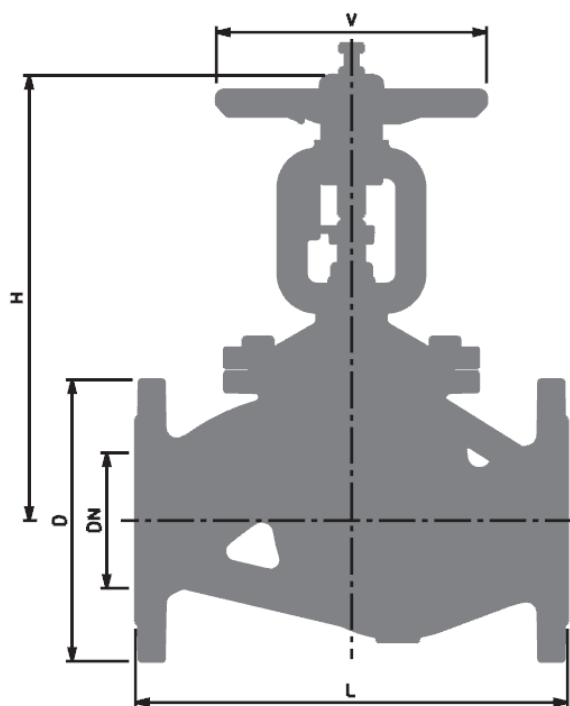
Construction

Pos.	Part name	Material
1	Body	EN-GJS-400-18-LT C. Iron
2	Seat DN 15-250	Stainless steel
2	Seat DN 300	Steel + St. steel
3	Stem	Stainless steel
4	Disc DN 15-100	Stainless steel
4	Disc DN 125-300	Steel + St. steel
5	Yoke	EN-GJS-400-18-LT D. Iron
6	Bellows	Stainless steel
7	Gaskets	Graphite + St. steel
8	Packing	Carbo-graphite
9	Gland	Zinc plated steel
10	Stem guide-index	Carbon steel
11	Bush	Zinc plated steel
12	Anti-friction bearings	Tempered steel
13	Handwheel	Steel
14	Stop handwheel nut	Carbon steel
15	Blank nut	Carbon steel
16	Anti-friction disc	Stainless steel
17	Elastic pin	Carbon steel
18	Screw	Steel 8.8
19	Elastic ring	Stainless steel
20	Lubricator	Zinc plated steel
21	Stop screw	Zinc plated steel
22	Rise limiter screw	Zinc plated steel



Dimensions

DN	D	L	H	V	Kg	Kv
mm	mm	mm	mm	mm		m ³ /h
15	95	130	234	125	3,8	4,6
20	105	150	243	125	4,4	7,3
25	115	160	253	125	5,3	11,7
32	140	180	242	125	6,8	16,8
40	150	200	275	150	9	26,7
50	165	230	276	150	11,3	42,6
65	185	290	377	200	21	77,9
80	200	310	378	200	24	111
100	220	350	401	250	31	177
125	250	400	442	300	45,5	262
150	285	480	494	350	65	368
200	340	600	620	400	117,5	664



Working conditions

DN (mm)	Allowable pressure (bar)	Max working temperature (°C)
15-200	16	-10/+120
	12,8	+200
	11,2	+250
	9,6	+300

Installation

Before assembling the valve at the pipeline, open it until about half-stroke. Check inside the body to ensure that it is completely clean. Possible impurities have to be removed in order to ensure a right functioning. If compressed air is at your disposal, use it for a better cleaning.

The counter-flanges of the pipeline must be parallel and have aligned holes. Check the space between them, keeping into account the gaskets and their flatter after bolts closing (it should not be too much or too little) and face to face tolerances as per EN 558-1 standard.

The valve must be assembled following the direction indicated by the arrow of the body. Fix the valve in the right position at the pipeline and remember to insert the gaskets between the flanges centring them as much as possible on the raised faces.

The raised faces have to be clean to allow a correct tightness. Fit the bolts in flanges holes and tighten them maintaining a diametrically opposed sequence (for a better deformation of the gaskets). Check the right functioning of the valve with two or three complete open-close operations.

DN	Order No.
15	2725
20	2726
25	2727
32	2728
40	2729
50	2730
65	2731
80	2732
100	2733
125	2734
150	2735

Differences may occur.