

ALV-2/289

Nominal Pressure

PN 16-40

Nominal size

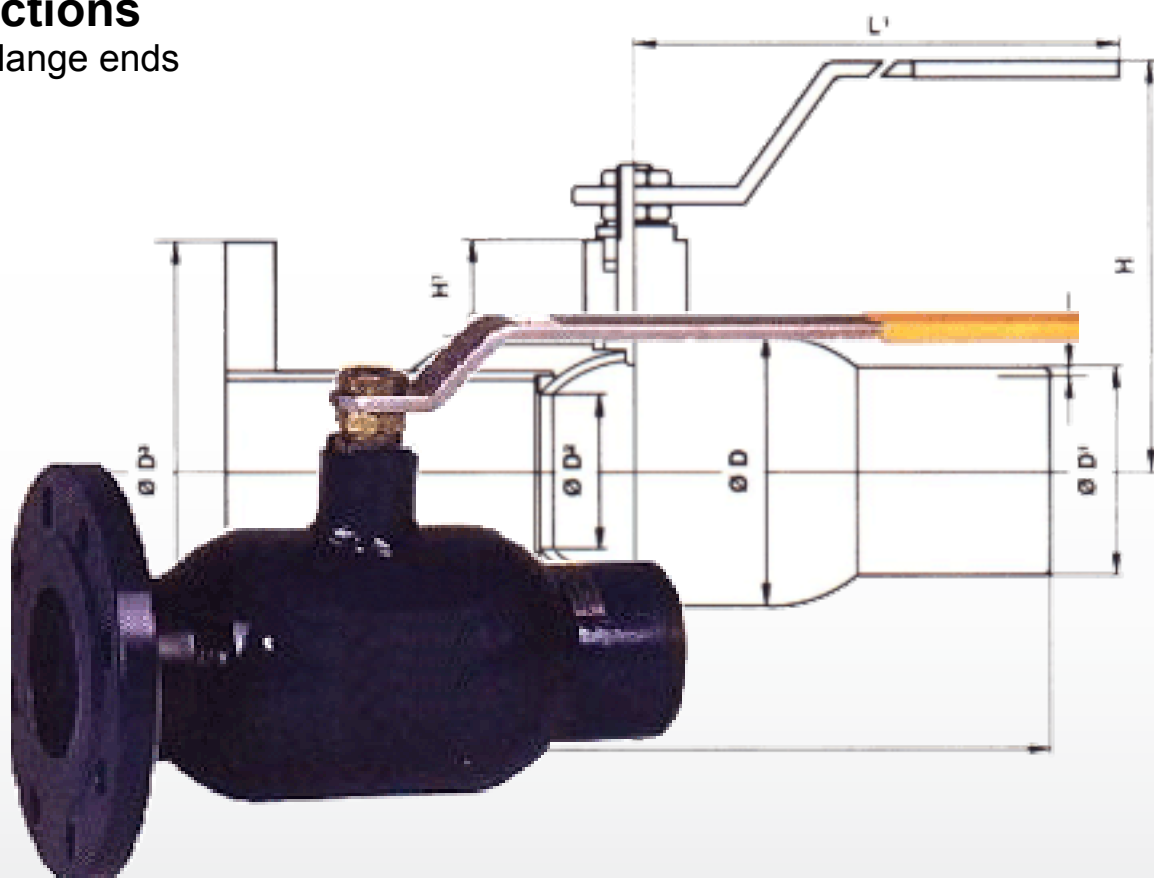
DN 15-250

Materials

Steel

Connections

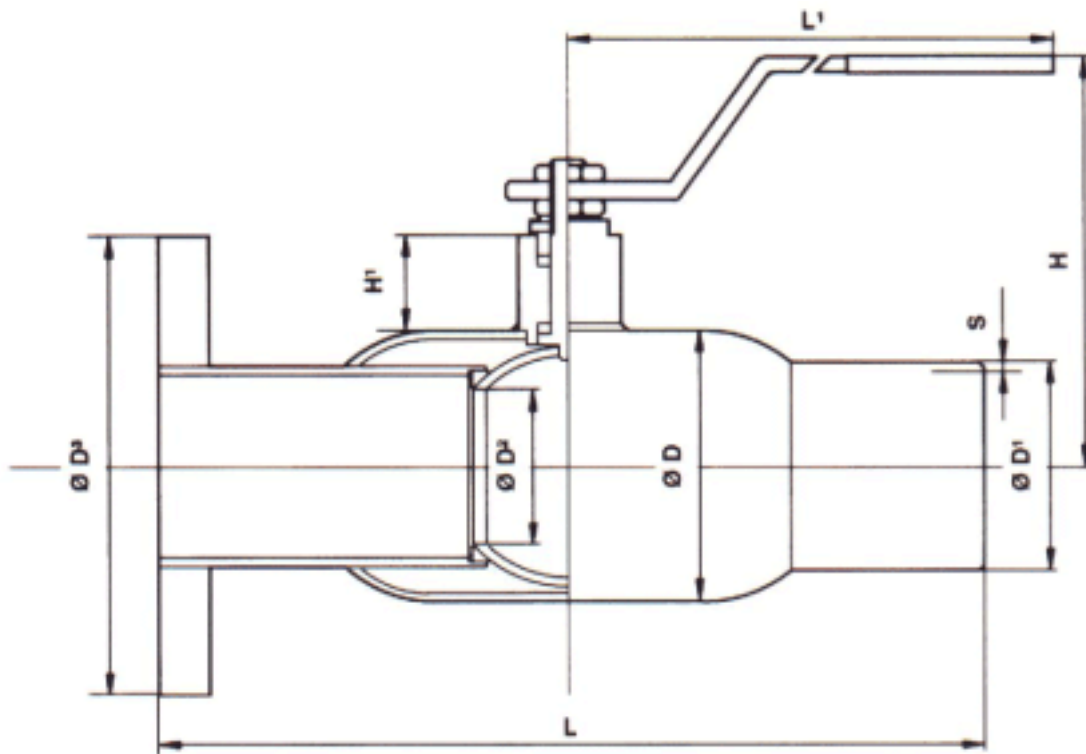
Welded/flange ends



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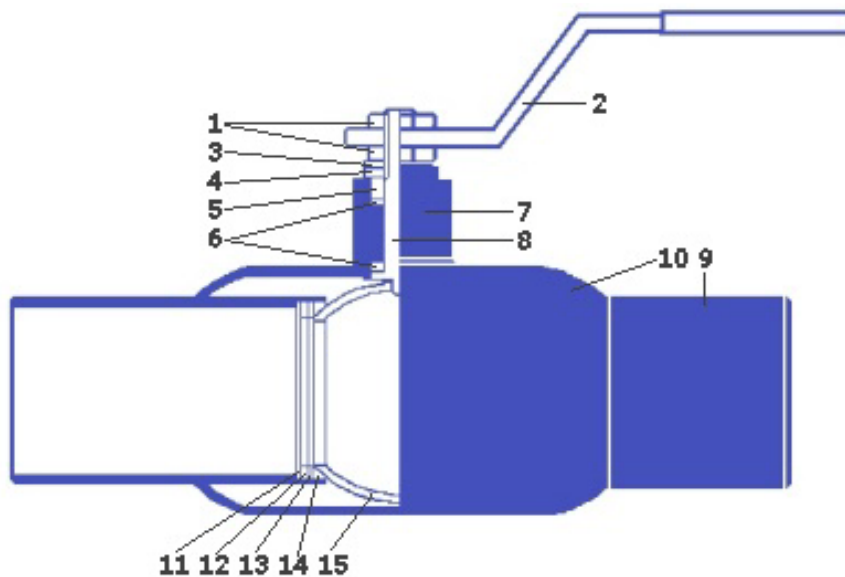


Dimensions and weights

Size	L	L ¹	H	H ¹	Ø D	Ø D ¹	Ø D ²	Ø D ³	PN	Weight Kg	S
DN 15	230	170	115	37	38,0	21,3	15	95	PN 40	1,4	2,0
DN 20	230	170	115	37	42,4	26,9	17	105	PN 40	1,6	2,3
DN 25	230	170	125	37	48,3	33,7	22	115	PN 40	2,1	2,6
DN 32	260	210	130	37	60,3	42,4	28	140	PN 40	3,0	2,6
DN 40	260	215	140	35	76,1	48,3	36	150	PN 40	4,2	2,6
DN 50	300	255	146	35	88,9	60,3	44	165	PN 40	5,3	2,9
DN 65	300	340	160	38	108,0	76,1	54	185	PN 16	7,8	2,9
DN 80	300	400	173	38	133,0	88,9	68	200	PN 16	9,6	3,2
DN 100	325	475	175	36	159,0	114,3	84	220	PN 16	14,0	3,6
DN 125	325	525	192	36	193,7	139,7	105	250	PN 16	23,4	4,0
DN 150	350	630	305	44	219,1	168,3	128	285	PN 16	32,5	4,5
DN 200	400	780	332	44	273,0	219,1	160	340	PN 16	50,0	6,3
DN 250	530	1200	490	52	360,0	273,0	200	405	PN 16	108,0	6,3

Flange DN 15-50 SFS 2156, DIN 2635
 Flange DN 65-250 SFS 2154, DIN 2633

Measurements in mm.



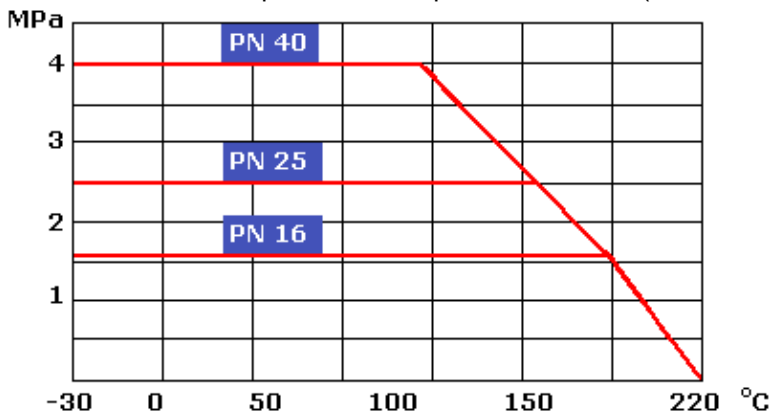
Standard Material Specification

No	Part	Material	Standard
1	Stem nut	Steel/zinc coated	-
2	Handle	Steel/zinc coated	-
3	Spring washer	Steel	-
4	Stop plate	Steel/zinc coated	-
5	Presser bush	Stainless steel	AISI 316
6	Stem seal	Teflon	PTFE
7	Stem body	Steel	St. 35.8
8	Stem	Stainless steel	AISI 316
9	Ends	Steel	St. 35.8
10	Body	Steel	St. 35.8
11	Support ring	Steel	St. 35.8
12	Spring washer	-	CK 70
13	Support ring	Steel	St. 35.8
14	Seat ring	PTFE carbon filled	PTFE
15	Ball	Stainless steel	AISI 316

Torques

DN	15	20	25	32	40	50	65	80	100	125	150	200	250
Nm	15	15	18	25	30	38	60	85	130	185	260	550	960

Pressure duration as part of the temperature function (not on the vapour)



AXELVALVES offers a wide range of ball valves to ANSI and DIN standards, designed for the chemical and petrochemical, oil and gas processing, steam generation industries.



Area of Usage

Steel ball valves are meant to be used as a closing valve in central heating systems, heat piping, oil pipeline, in pneumatic networks as well as in pipes for oxygenfree water and other non-agressive substances.

Construction

Steel ball valves have been welded together into one unit. Teflon gaskets reinforced with carbon are wear proof, tolerate dirt and chemicals. Alloy stainless steel ball is ground and polished which makes the valve easy to open and close and guarantees reliability for years.

Dished springs press the gaskets against the so-called hovering ball. This way the valve is tight in case of both small and high-pressure differences. It also compensates for the wear of the gaskets.

Spindle's PTFE-gaskets are wear proof and work as a bearing and make the valve easy to move. Spring washer under the spindle of the handle gives the gaskets uniform tension, which guarantees the gaskets' normal operation for a long period of time.

Characteristics

Steel ball valves are light and easy to operate. The valve doesn't require maintenance. It has long duration of use, it can be quickly installed and it has low maintenance cost.

The handle is removable and it can be turned 180 degrees. Due to the high spindle the valve is easy to isolate. Drive unit is easy to install later.