

DIN Bellows seal globe valve for the containment and isolation of hazardous liquids and gases

Fig.118

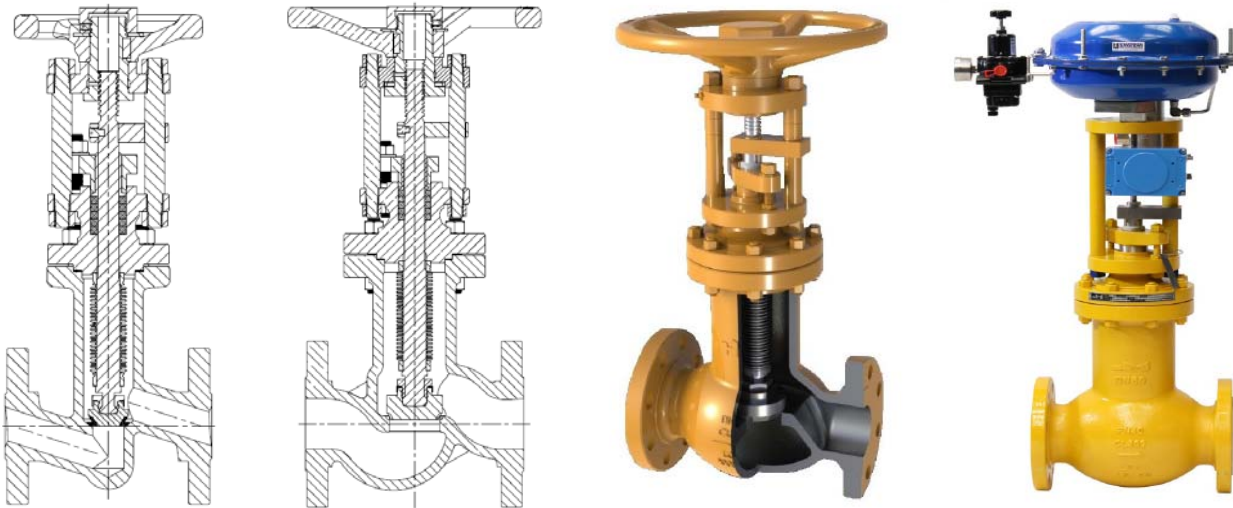
DN15-DN400

PN16-PN40

Body A350 LF2/A182 F316 for DN15-DN50

Body A352 LCC/A351 CF8M for DN65-DN400

20000 cycles UNS N10276 bellows



Design & Performance

With a strength in design and excellent materials for the containment and isolation of hazardous liquids and gases, the ranges have built an enviable reputation for long service life and excellent performance

Containment of Dangerous Emissions

All valves are fitted with a UNS N10276 bellows seal guaranteed for 20,000 Open/Close/Open cycles. Valves are also designed with back up secondary pure PTFE packing glands and seals as standard.

Repeatable tight closure and isolation

For metal to metal seated valves the disc is harder than the seat minimising disc damage during operation ensuring long life for the seating surfaces. Polymer ring soft seat plugs are also available.

Open Bellows Design

Our design of open bellows and bolted top assembly gives easy access to inspect the bellows assembly area. The open design ensures that any corrosion products in the fluid do not get trapped around the bellows causing damage and early failure. The bellows are guaranteed for the life of the valve.

Body Integrity and wall thickness

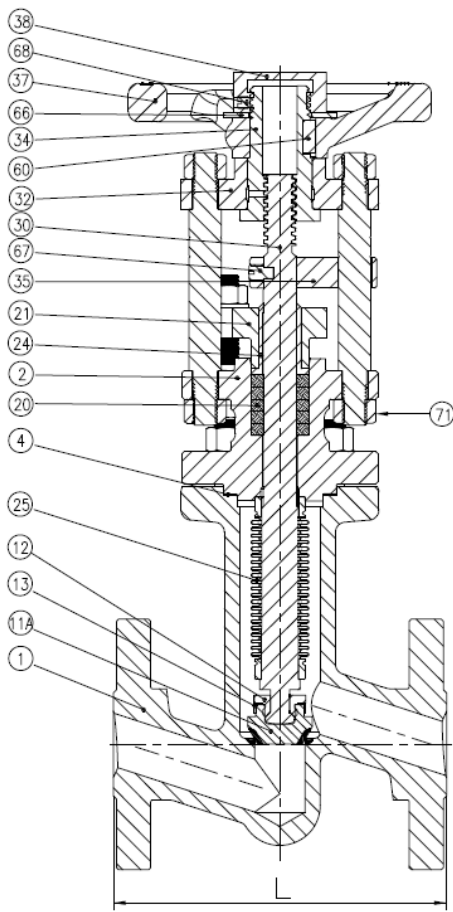
Small valve bodies and all sizes of bonnets are forgings. Cast body integrity is monitored by 100% x-ray inspection, while wall thickness is in accordance with Eurochlor specifications for use on liquid chlorine services.

Hand Wheel Easy Operation

We have ensured that the manual valves are easy to operate using cast three or four spoke large diameter wheels and the use of needle and ball bearings are fitted on sizes 1 1/2" (DN40) and above to ensure easy operation and rotation when opening and closing the valve.

Xylan coated

All studs and nuts are coated with Whitford Xylan anti corrosion, self lubricating compound .



Stainless steel F316 version available;
 Pneumatic or electric actuators available;
 Screwed end or socket welded end available for DN15-DN40 ;
 End flange connection acc. to EN 1092-1, PN40;

FIG.	Pressure	Material	Range
205.118	PN16-40	ASTM A350 LF2	DN15-DN50
235.118	PN16-40	ASTM A182 F316	DN15-DN50

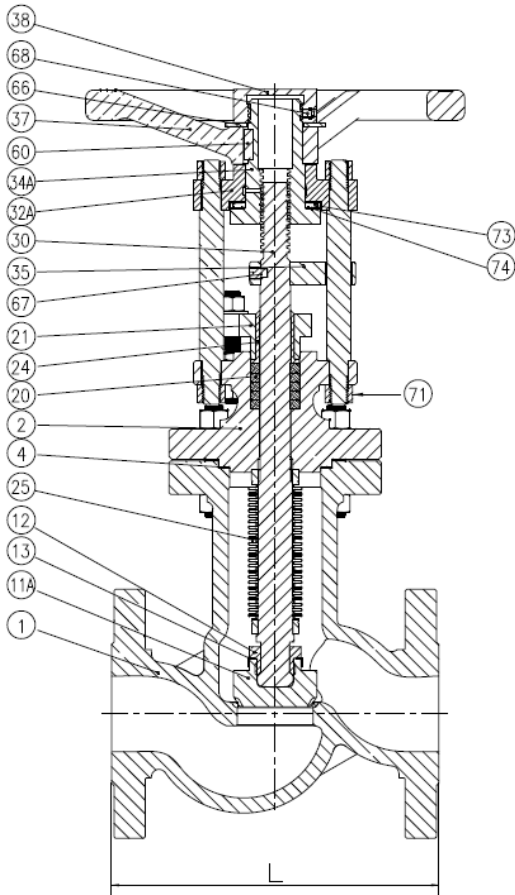
Material List

No.	Item	Material
1	Body	ASTM A350 LF2+Stellite 21
2	Bonnet	ASTM A350 LF2
4	Body/Bonnet gasket	GYLON 3510
11A	Disc	316Ti(1.4571)+Stellite 6
12	Disc nut	UNS S43100
13	Disc lock washer	Type 316
20	Packing ring	Pure PTFE
21	Packing gland	ASTM A351 CF8M
24	Gland scraper bush	INORGANIC FILLER PTFE
25	Bellows	UNS N10276(2.4819)
30	Stem	UNS S31803
32	Yoke flange	CS AISI 1035
34	Yoke sleeve	A439 Grade D2
35	Anti rotation bridge	CS AISI 1035
36	Pillar	CS AISI 1035
37	Handwheel	SG Iron BS.EN 1563 EN GJS-400-18
38	Handwheel locknut	CS AISI 1035
50	Name plate	Type 316
60	Key	CS AISI 1025
61	Stud bolt	A320 L7M XYLAN 1424
62	Stud	A320 L7M XYLAN 1424
63	Lock nut	A4-70
64	Nut	A320 L7M XYLAN 1424
65	Nut	A320 L7M XYLAN 1424
66	Washer	CS AISI 1020
67	Dog point screw	Type 316
68	Set screw	Type 316
69	Lubricator	A570 Gr.A
70	Washer	SS316
71	Nut nylock	CS AISI1035/ Nylock

Face to face dimension L acc. to EN 558-1,G1

PN16-40	Face to face dimension L					
	DN15	DN20	DN25	DN32	DN40	DN50
	130	150	160	180	200	230

FIG.	Pressure	Material	Range
363.118	PN16	ASTM A352 LCC	DN65-DN400
153.118	PN16	ASTM A351 CF8M	DN65-DN400
365.118	PN40	ASTM A352 LCC	DN65-DN400
155.118	PN40	ASTM A351 CF8M	DN65-DN400



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71	Nut nylock	CS AISI 1035 Nylock

Stainless steel CF8M version available;
 Pneumatic or electric actuators available;
 End flange connection acc. to EN 1092-1, PN16-40;

Face to face dimension L acc. to EN 558-1,G1

PN16-40	Face to face dimension L									
	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400
	290	310	350	400	480	600	730	850	980	1100