



Class 600 鑄鋼/鑄不銹鋼長頸伸縮囊密封型球型閥
 Class 600 Cast Steel/Cast Stainless Steel
 Long Bellows Sealed Globe Valve

FIG FI37-L Series



Selection of possible applications:

- Industry
- Powerstations
- Flue gas purification plant
- Processing technology
- Gas supply
- Vapour facilities
- Thermal oil applications
- Recycling facilities
- Vacuum facilities
- Ammonia
- Hot water
- Heating technology
- District heating
- Cooling and freezing systems
- General plant manufacturing
- Steam systems
- other applications on request -

Design Description:

- Globe valve in straight way type
- Bolted bonnet
- Outside screw and yoke
- Antirotation device and mechanical position indicator
- Rising stem and rising handwheel
- Disc with conical metallic sealing surface
- Metal back seat
- Protected bellows with valve fully opened
- Bellows welded on stem
- Cover gasket, inside and outside confined
- Secondary Sealing : gland packing
- Stem sealed with bellows tested for 20,000 full open/closed operations at 20° C
- Shell wall thickness acc. ASME B16.34
- Face to face dimensions acc. to ASME B16.10
- Flanges acc. to ASME B16.5
- Test pressure acc. to API 598
- Maintenance free
- Free from asbestos,PCB and CFC

Pressure/Temperature Ratings:

Class 600	BODY Material	Temp.	Working Pressure	SHELL TEST (water)	SEAT TEST (water)	SEAT TEST (air)
	A 351 Gr.CF8		100°F 38°C	1440 psig 99.3 bar	2175 psig 150 bar	1585 psig 109 bar
1000°F 538°C			710 psig 48.9 bar			
A 351 Gr.CF8M		100°F 38°C	1440 psig 99.3 bar	2175 psig 150 bar	1585 psig 109 bar	80 psig 5.5 bar
		1000°F 538°C	725 psig 50 bar			
A 216 Gr.WCB		100°F 38°C	1480 psig 102.1 bar	2225 psig 153 bar	1630 psig 112 bar	80 psig 5.5 bar
		800°F 425°C	825 psig 57.5 bar			

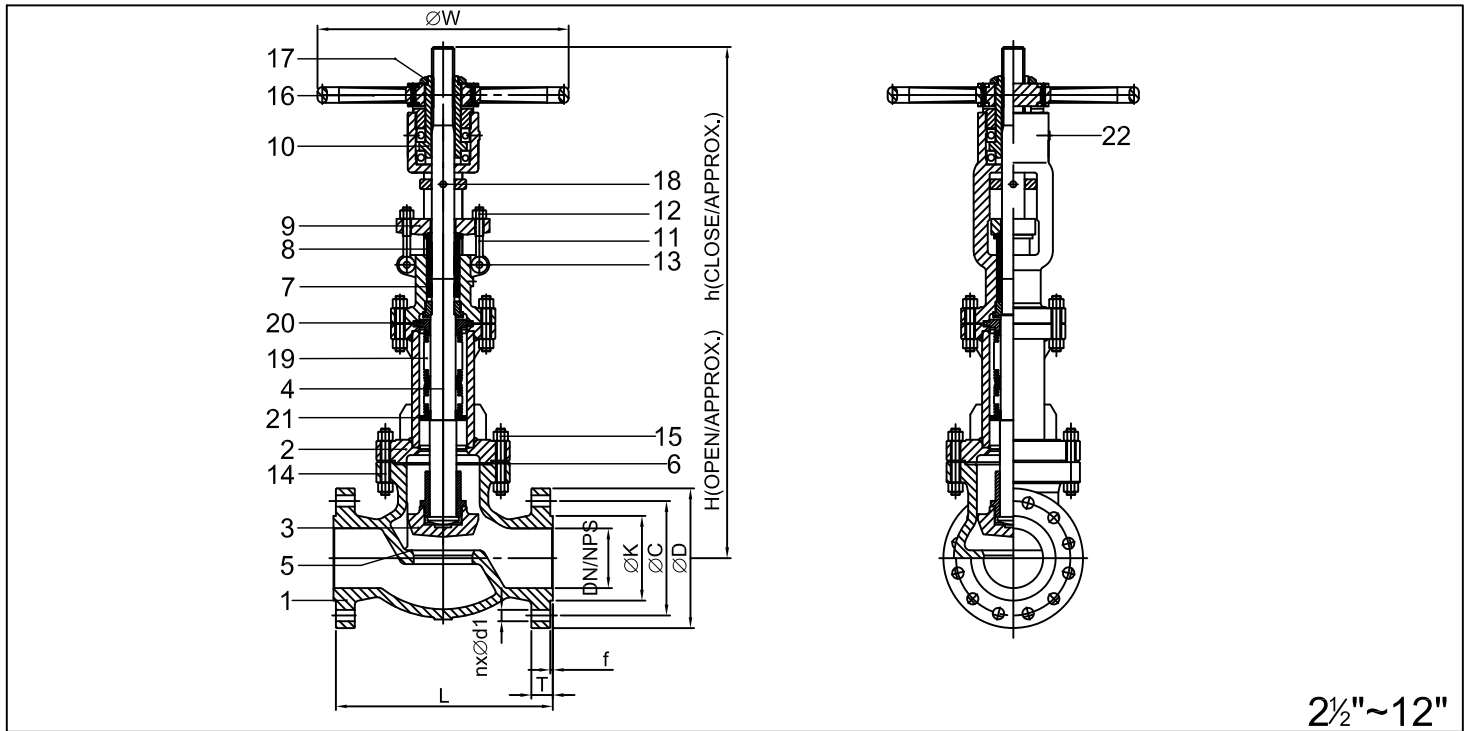


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2½"~12"

Item	Part name	Material		Remarks
		A216Gr.WCB	A351Gr.CF8/CF8M	
1	Body	A216 WCB	A351Gr.CF8/CF8M	
2	Bonnet	A216 WCB	A351Gr.CF8/CF8M	
3	Disc*	A216 WCB+F6	S.S.304/S.S.316	HF on request
4	Stem	13%Cr	S.S.304/S.S.316	
5	Seat	F6	AS BODY	HF on request
6	Gasket	Graphite	Graphite	
7	Gland Packing	Graphite	Graphite	
8	Gland	13%Cr	A351Gr.CF8	
9	Gland Flange	A216 WCB	A216 WCB	
10	Stem Nut	A439-D2	A439-D2	
11	Eye Bolt	A307B	A193-B8/A193-B8M	
12	Eye Bolt Nut	A194-2H	A193-B8/A194-8M	
13	Eye Bolt Pin	A36	A276-304/A276-304	
14	Bonnet Bolt	A193-B7	A193-B8/A194-8M	
15	Bonnet Nut	A307B	A194-8/A194-8M	
16	Handwheel	Ductile Iron	Ductile Iron	
17	Handwheel Nut	Ductile Iron	Ductile Iron	
18	Position Indicator	13%Cr	Stainless Steel	
19	Bellows	S.S. 304	S.S.304/S.S.316	
20	Upper Bellow Joint	13%Cr	S.S.304/S.S.316	
21	Lower Bellow Joint	13%Cr	S.S.304/S.S.316	
22	Lubricating Nipple	S.S.304	S.S.304/S.S.304	

* Soft disc inserts available for gas or vacuum service

Dimensions Table:

Unit : mm

SIZE		H	h	ØW	L	CLASS 600				T	f	Kvs vaule
DN	NPS					ØD	ØC	ØK	nxØd1			
50	2"	249	231	250	292	165.1	127	92.1	8x22.22	25.4	6.4	
65	2-1/2"	570	540	250	330.2	190.5	149	104.8	8x22.22	28.6	6.4	77
80	3"	568	538	250	355.6	209.55	168	127	8x22.22	31.8	6.4	120
100	4"	691	647	350	431.8	273.05	215.9	157.2	8x25	38.1	6.4	180
125	5"	903	826	450	508.0	330.2	266.7	185.7	8x29	44.5	6.4	260
150	6"	893	843	450	558.8	355.6	292.1	215.9	12x29	47.7	6.4	380
200	8"	1206	1139	560	660.4	419.1	349.2	270	12x32	55.6	6.4	703
250	10"	1334	1256	864	787.4	508	431.8	324	16x35	63.5	6.4	1127
300	12"	1622	1513	864	838.2	558.8	489	381	20x35	66.7	6.4	1587

Larger sizes available on request