



Class 800 鍛造伸縮囊密封型閘門閥

Class 800 Forged Bellows Sealed Gate valve

FIG 49A Series



Selection of possible applications:

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

Design Description:

- Bolted bonnet
- Outside screw and yoke
- Rising stem and non-rising handwheel
- Renewable seat ring
- Wedge disc
- Metal back seat
- Lubricating Nipple as Standard
- Secondary Sealing : gland packing
- Different types of connection available. (Screwed, Socket Weld, and Flange Ends)

- Stem sealed with bellows tested for 3,000 full open/closed operations at 20°C
- Design and Manufacturing acc. to API 602
- Shell wall thickness acc. ASME B16.34
- Screwed Ends acc. to ASME B1.20.1
- Socket Weld Ends acc. to ASME B16.11
- Test pressure acc. to API 598
- Maintenance free
- Free from asbestos, PCB and CFC

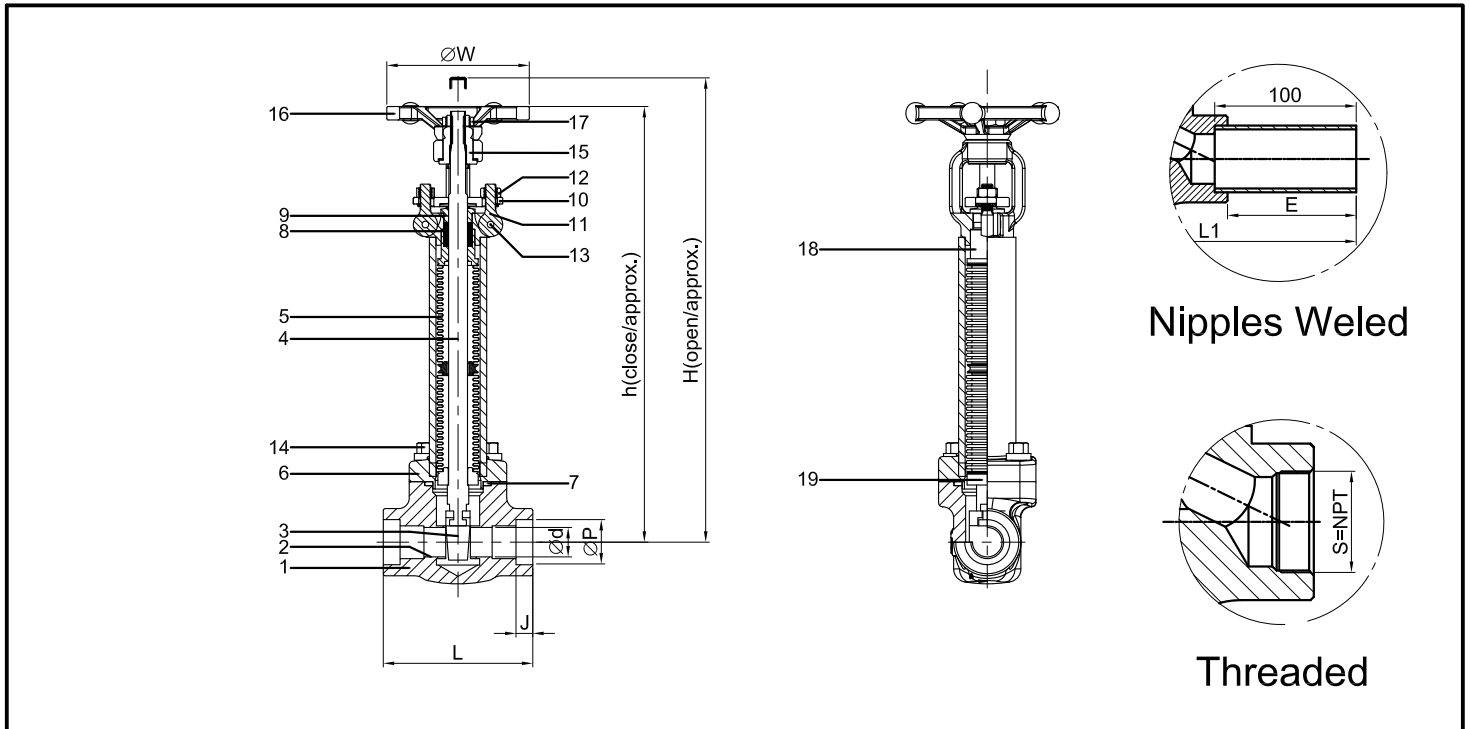
Pressure/Temperature Ratings:

	BODY Material	Temp.	Working Pressure	SHELL TEST (water)	SEAT TEST (water)	SEAT TEST (air)	
Class 800	A 182 Gr.F304	100°F 38°C	1920 psig 132.4 bar	2900 psig 200 bar	2120 psig 146 bar	80 psig 5.5 bar	
		1000°F 538°C	947 psig 65.2 bar				
	A 182 Gr.F316	100°F 38°C	1920 psig 132.4 bar	2900 psig 200 bar	2120 psig 146 bar	80 psig 5.5 bar	
		800°F 425°C	968 psig 66.8 bar				
	A 105	A 105	100°F 38°C	1973 psig 136.1 bar	2975 psig 205 bar	2180 psig 150 bar	80 psig 5.5 bar
			100°F 538°C	1.98 psig 76.7 bar			



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Valve Parts List:

Item	Part name	Material			Remark
		A105	A182-F304	A182-F316	
1	Body	A105	A182-F304	A182-F316	
2	Seat Ring	13%Cr	S.S.304	S.S.316	HF on request
3	Wedge	13%Cr	A182-F304	A182-F316	HF on request
4	Stem	13%Cr	S.S.304	S.S.316	
5	Bellows	S.S.304	S.S.304	S.S.316	
6	Bonnet	A105	A182-F304	A182-F304	
7	Gasket	S.S.304 Sprial wound	S.S.304 Sprial wound	S.S.316 Sprial wound	
8	Gland Packing	Graphite	Graphite	Graphite	
9	Gland	13%Cr	S.S.304	S.S.316	
10	Gland Flange	A105	A182-F304	A182-F316	
11	Eye Bolt	A193-B7	A193-B8	A193-B8	
12	Eye Bolt Nut	A194-2H	A194-8	A194-8	
13	Eye Bolt Pin	13%Cr	13%Cr	13%Cr	
14	Bonnet Bolt	A193-B7	A193-B8	A193-B8	
15	Stem Nut	A276-410	A276-410	A276-410	
16	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	
17	Handwheel Nut	13%Cr	13%Cr	13%Cr	
18	Upper Bellows Joint	13%Cr	S.S.304	S.S.316	
19	Lower Bellows Joint	13%Cr	S.S.304	S.S.316	

** Other materials are available upon request.

Dimensions Table:

Class	Port	SIZE		Ød	H	h	ØW	L	Nipple Weled						Socket Weld		Screwed	
		DN	NPS						E		L1		ØP	J	S	NPT		
									800	100	79	259					22	10
800	Reduced	15	1/2"	13	268	251	100	79	90	259	22	10	12.7	1/2" NPT				
		20	3/4"	13	268	251	100	92	87	266	27	13	14.1	3/4" NPT				
		25	1"	18	337	314	125	111	87	285	34	13	16.2	1" NPT				
		40	1-1/2"	29	489	459	180	120	87	294	49	13	18.5	1-1/2" NPT				
		50	2"	37	574	504	240	140	84	308	61	16	22.8	2" NPT				

Dimensions Table: Class 800

Unit : mm