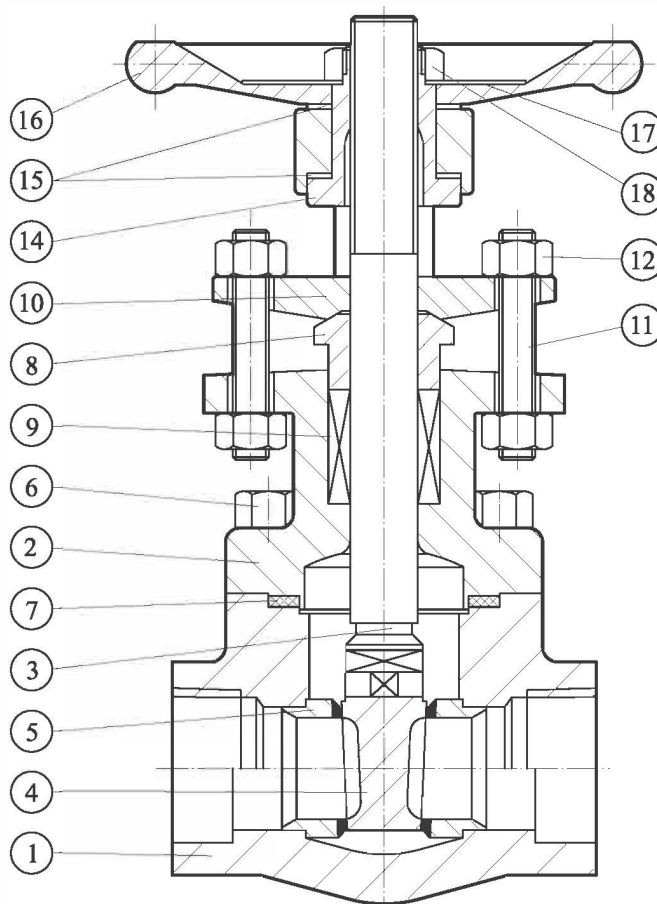


Trim Material				
DHV Trim Code	API Trim No.	Wedge Surface Part No.4	Seat Ring Surface Part No.5	Stem Part No.3
1	-	13CR	13CR	F6A
2	5	HF	HF	F6A
3	8	13CR	HF	F6A
4	9	Monel	Monel	Monel
5	10	316	316	F316
6	11	Monel	HF	Monel
7	12	316	HF	F316
8	-	304	304	F304
9	-	304L	304L	304L
0	-	316L	316L	316L
A	-	F51	F51	F51
B	19	INCONEL 625	INCONEL 625	INCONEL 625
C	16	HF	HF	F316
D	-	F53	F53	F53
E	-	F55	F55	F55
F	19	INCONEL 825	INCONEL 825	INCONEL 825



Standard Material Specifications

No.	Part Name	Carbon Steel to ASTM		Alloy Steel to ASTM	Stainless Steel to ASTM			
1	Body	A105N		A350 LF2	A182 F11	A182 F304(L)	A182 F316(L)	A182 F51
2	Bonnet	A105N		A350 LF2	A182 F11	A182 F304(L)	A182 F316(L)	A182 F51
3	Stem	A182 F6a		A182 F316	A182 F6a	A182 F304(L)	A182 F316(L)	A182 F51
4	Wedge	A182 F6a	A182 F6a/HF	A182 F316	A182 F6a/HF	A182 F304(L)/HF	A182 F316(L)/HF	A182 F51/HF
5	Seat Ring	A276 410/HF		A182 F316/HF	A276 410/HF	A182 F304(L)/HF	A182 F316(L)/HF	A182 F51/HF
6	Bonnet Bolt (1)	A193 B7		A320 L7	A193 B16	A193 B8	A193 B8MA	A193 B8MA
7	Gasket (1) (2)	SPW 304 +Graphite		SPW 316 +Graphite	SPW 304 +Graphite	SPW 304(L) +Graphite	SPW 316(L) +Graphite	SPW 31803 +Graphite
8	Gland	A276 410		A182 F316	A276 410	A182 F304(L)	A182 F316(L)	A182 F51
9	Packing	Flexible Graphite						
10	Gland Flange	A105N		A350 LF2	A105N	A182 F304	A182 F316	
11	Gland Bolt	A193 B8		A193 B8	A193 B8	A193 B8	A193 B8MA	
12	Gland Nut	A194 2H		A194 7	A194 4	A194 8	A194 8MA	
14	Yoke Nut	A276 410						
15	Sleeve Washer	Stainless Steel						
16	Handwheel	A197						
17	Nameplate	AL						
18	Handwheel Nut	A194 2H						

NOTES: (1) Not available with welded bonnet type (2) For class ≥ 900LB, use oval ring type joint (RTJ) gasket

Features

- Standard Port
- Full Port is optional
- Outside Screw and Yoke (OS & Y) , Rising Stem
- Two Piece Self-aligning Packing Gland
- Bolted Bonnet or Welded Bonnet
- Integral Backseat
- Threaded Ends or Socket Welding Ends
- Extended Body or Pup Ends available

Specifications

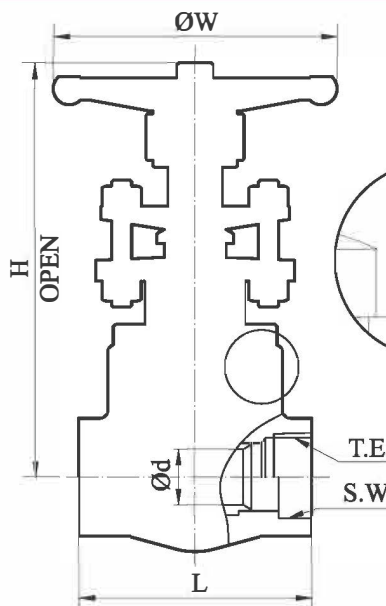
Basic Design: **API 602**
ISO 15761 ASME B16.34

Socket Welding End (S.W): **ASME B16.11**

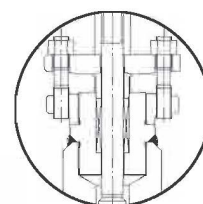
Threaded End (T.E): **ASME B1.20.1**

Test and Inspection: **API 598**

API 622 Packing, API 624 certified available upon request
 ISO 15848-1 certified



Bolted Bonnet or Welded Bonnet
for Class 1500LB



Threaded and Seal Weld Bonnet
for Class 2500LB

800LB								2500LB								
Description		Valve Size							Description		Valve Size					
Standard Port		-	1/2	3/4	1	1 1/4	1 1/2	2	Standard Port		1/2	3/4	1	1 1/2	2	
Full Port		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	Flow Port d		in	0.39	0.53	0.69	1.12	1.42
Flow Port d	in	0.24	0.39	0.53	0.69	0.91	1.13	1.44			mm	10	13.5	17.5	28.5	36
	Face to Face L	mm	6	10	13.5	17.5	23	28.6	36.5	Face to Face L	in	6.10	6.10	7.32	9.13	11.18
Height to Open H		mm	79	79	92	111	118	118	132		mm	155	155	186	232	284
	Handwheel Dia W	in	6.22	6.22	6.42	7.76	8.86	9.72	10.51	Height to Open H	in	11.57	11.81	12.64	20.51	22.64
Weight		mm	158	158	163	197	225	247	267		mm	294	300	321	521	575
	Handwheel Dia W	in	3.94	3.94	3.94	4.72	5.91	5.91	5.91	Handwheel Dia W	in	8.66	8.66	9.84	11.81	13.78
Weight		mm	100	100	100	120	150	150	150		mm	220	220	250	300	350

1500LB								2500LB							
Description		Valve Size							Description		Valve Size				
Standard Port		-	1/2	3/4	1	1 1/4	1 1/2	2	Full Port		1/2	3/4	1	1 1/2	
Full Port		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	Flow Port d		in	0.50	0.69	0.91	1.44
Flow Port d	in	0.31	0.37	0.50	0.69	0.91	1.12	1.44			mm	12.7	17.5	23	36.5
	Face to Face L	mm	8	9.5	12.7	17.5	23	28.5	36.5	Face to Face L	in	6.10	7.32	9.13	11.18
Height to Open H		mm	92	92	111	118	118	132	150		mm	155	186	232	284
	Handwheel Dia W	in	3.62	3.62	4.37	4.65	4.65	5.20	5.91	Height to Open H	in	11.73	12.60	19.57	22.68
Weight		mm	92	92	111	118	118	132	150		mm	298	320	497	576
	Handwheel Dia W	in	6.42	6.42	6.42	7.76	8.86	9.72	10.51	Handwheel Dia W	in	8.66	8.66	11.81	13.78
Weight		mm	163	163	163	197	225	247	267		mm	220	220	300	350
	Handwheel Dia W	in	3.94	3.94	4.72	5.91	5.91	5.91	7.87						
Weight		mm	100	100	120	150	150	150	200						