



Construction is as follows

- ※ Full port or conventional port;
- ※ Outside screw and yoke (OS & Y);
- ※ Two piece self-aligning packing gland;
- ※ Bolted bonnet & spiral wound gasket seal bonnet;
- ※ Bolted bonnet with spiral-wound gasket, threaded and seal welded bonnet or threaded and pressure seal bonnet;
- ※ Integral backseat;
- ※ Socket weld ends to ASME B16.11;
- ※ Screwed ends (NPT) to ANSI/ASME B1.20.1.

Application standards

- 1、 Design and manufacture conform to API 602、 BS5352、 ANSI B16.34;
- 2、 Connection ends conform to:
 - 1)Socket welded dimension conform to ANSI B16.11;JB/T1751
 - 2)Screw ends dimension conform to ANSI B1.20.1;JB/T7306
 - 3)Butt-welded conform to ANSI B16.25;JB/T12224
 - 4)Flanged ends conform to ANSI B16.5;JB79
- 3、 Test and inspection conform to: API 598; GB/T13927; JB/T9092
- 4、 Structure features: Bolted bonnet, outside screw and yoke
Welded bonnet, outside screw and yoke
- 5、 Materials conform to ANIS/ASTM.
- 6、 Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy.

Main part materials list

NO.	Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F91/410 HF
1	Body	A105	A105	LF2	F11	F304(L)	F316(L)	F91
2	Seat	410	410HF	304	410HF	304(L)	316(L)	410HF
3	Wedge	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F6aHF
4	Stem	410	410	304	410	304(L)	316(L)	410
6	Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F91
8	Pin	410	410	410	410	304	304	410
9	Gland	410	410	304	410	304	316	410
10	Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8
11	Gland flange	A105	A105	LF2	F11	F304	F304	F91
12	Hex nut	2H	2H	2H	2H	8(M)	8(M)	8
13	Stem nut	410	410	410	410	410	410	410
14	Locking nut	35	35	35	35	35	35	35
15	Nameplate	AL	AL	AL	AL	AL	AL	AL
16	Handwheel	A197	A197	A197	A197	A197	A197	A190
17	Lubricating gasket	410	410	410	410	410	410	410
18	Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
19	Stop nut	35	35	35	35	35	35	35
23	Seal gasket	420	420	304	304	304(L)	316(L)	420
24	P.S.ring	304	304	304	304	304	316	316
25	P.S.seat	420	420	304	304	304(L)	316(L)	F91
26	Nut pad	410	410	410	410	410	410	410
27	Packing nut	Cast steel	Cast steel	Cast steel	Cast steel	Stainless steel	Stainless steel	Cast steel

CL150-300-600

Bolted bonnet, reducing port outside screw and yoke(OS & Y)
Flange-welded or butt-welded ends; design to API602;BS5352

Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2		
Face to face	CL150	-	-	108	117	127	140	165	178	190		
	CL300	L(RF)		-	-	140	152	165	178	190	216	241
	CL600	L1(BW)		-	-	165	190	216	229	241	292	330
Handwheel diameter	W	-	-	100	100	125	160	160	180	200		
Height	CL150	H		-	-	144	150	182	216	235	270	300
	CL300,CL600	-	-	144	150	182	216	235	270	300		
Height (angle dimension)	d	-	-	9.5	13	17.5	24	29	36.5	44		
Weight (Kg)	CL150	RF	-	-	2.6	3.3	4.9	8.4	9.0	12.1	24	
		BW	-	-	2.0	3.8	4.2	7.8	8.0	12	19.2	
	CL300	RF	-	-	3.2	4.7	6.3	9.6	11.4	15.4	26.2	
		BW	-	-	2.8	4.1	5.7	8.1	9.2	13.1	23	
	CL600	RF	-	-	3.5	4.8	6.3	9.6	10.1	13.9	32	
		BW	-	-	2.9	4.0	5.7	8.1	8.9	11.8	28	