



<----INTEGRAL FLANGED ..... ALSO AVAILABLE

### Application standards

- Design and manufacture conform to BS5352 MSS SP-118;
- Connection ends conform to:
  - Socket welded ends conform to ANSI B16.11;JB/T1751
  - Screw ends conform to ANSI B1.20.1;JB/T7306
  - Butt-welded ends conform to ANSI B16.25;JB/T12224
  - Flanged ends conform to ANSI B16.5;JB79
- Test and inspection conform to:
  - API 598; GB/T13927; JB/T9092
- Structure features:
  - Bolted bonnet, outside screw and yoke
  - Welded bonnet, outside screw and yoke
  - Disc is one piece or "V" type double or four pieces.
- Materials conform to ANSI/ASTM.
- Main materials:
  - A105; LF2; F5; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy.

NO.	Part name	A105/F6a	A105/Fa6HFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
3	Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	Stem	410	410	304	410	304(L)	316(L)	F51
5	gasket	304+ flexible graphite	304+ flexible graphite	304+ flexible graphite	304+ flexible graphite	304+ flexible graphite	316+ flexible graphite	316+ flexible graphite
6	Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
8	Pin	410	410	410	410	304	304	304
9	Gland	410	410	304	410	304	316	F51
10	Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
11	Gland flange	A105	A105	LF2	F11	F304	F304	F304
12	Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
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	A197
18	Packing	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite	Graphite
41	Index plate	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel
42	Lower plate	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel
43	Back block	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel
44	Indicative stem	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel	Cast steel

### CL150-300-600

Welded bonnet, reducing port outside screw and yoke(OS & Y)  
Flange or butt-welding design to BS5352

Specification(NPS)	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
Face to face	CL150	-	-	108	117	127	140	165	203	
	CL300	-	-	152	178	203	216	229	267	
	CL600	-	-	165	190	216	229	241	292	
Handwheel diameter	W	-	-	100	100	125	160	160	180	
Height CL150/CL300/CL600	H	-	-	155	160	198	215	235	273	
Height(angle dimension)	d	-	-	9	12	17.5	22.5	29	35	
Weight (Kg)	CL150	RF	-	-	2.6	3.3	5.0	8.4	9.5	14.5
		BW	-	-	2.0	2.8	4.2	7.8	8.8	13.0
	CL300	RF	-	-	3.3	4.6	6.7	9.6	12.1	17.0
		BW	-	-	2.8	4.0	5.7	8.2	9.8	14.7
	CL600	RF	-	-	3.5	4.8	7.2	9.6	13.2	18.5
		BW	-	-	2.9	4.0	6.2	8.1	11.7	15.1