


Ratings (ASTM A105)

 800 p.s.i. @ 850°F
 1975 p.s.i. @ 100°F

Test pressure (ASTM A105)
Hydraulic: (minimum)
 Body - 3000 p.s.i.
 Seat - 2175 p.s.i.
Air under water:
 Seat - 85 p.s.i.

Standards

Construction	BS 5352
Socket weld	ASME B16.11
Threaded	ASME B1.20.1
Butt weld	ASME B16.25
Test	BS 6755 (Pt.1)

Connections (xx)

SW Socket weld	B8 Butt weld 80
TS SW/NPT	
TH Threaded NPT	
SE SW (in)/NPT	
SU SW (out)/NPT	
B4 Butt weld 40	

REDUCED BORE

			1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
Ff (mm/in)			80 3,15	90 3,54	110 4,33	127 5,00	155 6,10	170 6,69
Ha (mm/in)			152 5,98	159 6,26	182 7,17	214 8,43	283 11,14	306 12,05
VI (mm/in)			90 3,54	90 3,54	100 3,94	120 4,72	140 5,51	140 5,51
Pf (mm/in)			9 0,35	12,5 0,49	17,5 0,69	22,5 0,89	28 ⁽⁴⁾ 1,10	32 ⁽⁵⁾ 1,26
Wt. (kg/lb)			1,7 3,7	2 4,4	3,2 7,0	5,3 11,7	7,8 17,2	10,6 23,3
Catal. no.			R352/xx	R353/xx	R354/xx	R355/xx	R356/xx	R357/xx

FULL BORE

	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
Ff (mm/in)	80 3,15	80 3,15	90 3,54	110 4,33	127 5,00	155 6,10	170 6,69	210 8,27
Ha (mm/in)	150 5,91	152 5,98	159 6,26	182 7,17	214 8,43	283 11,14	306 12,05	327 12,87
VI (mm/in)	90 3,54	90 3,54	90 3,54	100 3,94	120 4,72	140 5,51	140 5,51	200 7,87
Pf (mm/in)	6 0,24	9 0,35	12,5 0,49	17,5 0,69	22,5 0,89	28 ⁽⁴⁾ 1,10	32 ⁽⁵⁾ 1,26	40 ⁽⁶⁾ 1,57
Wt. (kg/lb)	1,8 4,0	1,8 4,0	2,1 4,6	3,3 7,3	5,4 11,9	7,9 17,4	10,7 23,5	16 35,2
Catal. no.	F310/xx	F311/xx	F312/xx	F313/xx	F314/xx	F315/xx	F316/xx	F317/xx

1) Standard and alternative valve materials on page 67, type A
 2) Complete Pressure-Temperature ratings on page 68, 69, 70, 71, 72
 3) SW, NPT & BW dimensions on page 73

4) Pf = 29,5 with integral stellited seat
 5) Pf = 35 with integral stellited seat
 6) Pf = 45 with integral stellited seat