

BONETTI Piston Valves – Steel - Stainless Steel

Stop Valves
Rating: API 602 - ASME Class 800
DIN 2401 - PN 40/63

Size 1/4" to 2"

- 1 Standard Female Screwed Ends to:
 - B.S.P. (DIN 2999) - NPT - ASME B1.20.1
 - Length of body (A) to DIN 3202 - M9, except type BVR.
- 2 Socket Weld Ends - SW to:
 - ASME B16.11 (Minimum wall thickness of socket welding is 1,25 larger than nominal thickness of pipe having rating equal to valve rating. Length of body (A) is not binding
- 3 Butt Weld Ends to:
 - ASME B16.25 and pipe Sched. 160, or DIN 3239.
 - When ordering, please indicate sizes of pipe to be welded to valve (outside and inside diameter).
 - Fig. 1079.1 is the standard execution - Fig. 1079.2 available on request. Length of body (A1) is not binding.

- 4 Standard Material Schedules: FS, F, M/H.
- 5 Pressure - Temperature Rating on page 2.
Size 2" BV type valves limited to ASME Class 600.

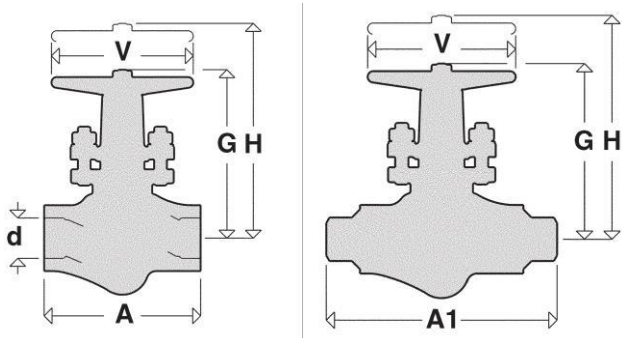


Fig. 1077 Fig. 1078

Type	DN inches	Mater. Sched.	Dimensions			Valve Rings (see page 17)			Screwed Ends Fig.	SW Ends Fig.	Dim. A (Note No. 2)	Weight kg	BW Ends Fig.	Dim. A1 (Note No. 3)	Weight kg
			G mm	H mm	V mm	d mm	D mm	h mm							
BV	3/8"	FS - M/H	110	140	95	15	23,5	9	1077	1078	100	1,9	1079	145	1,9
BV	1/2"	FS - M/H	110	140	95	15	23,5	9	1077	1078	100	1,9	1079	145	1,9
BV	3/4"	FS - M/H	135	170	115	20	30	10	1077	1078	120	3,3	1079	170	3,4
BV	1"	FS - M/H	150	185	150	25	38	12	1077	1078	135	4,7	1079	200	4,8
BV	1.1/4"	FS - M/H	170	215	150	30	45	15	1077	1078	160	7,1	1079	230	7,3
BV	1.1/2"	FS - M/H	195	250	150	40	58	16	1077	1078	185	11	1079	270	11,5
BV	2"	F - M/H	225	285	200	50	70	17	1077	1078	220	12,7	1079	320	13,7
BVR	1/4"	FS - M/H	90	109	75	10	18	6	1077	1078	85	1,2	1079	130	1,2
BVR	3/8"	FS - M/H	90	109	75	10	18	6	1077	1078	85	1,2	1079	130	1,2
BVR	1/2"	FS - M/H	90	109	75	10	18	6	1077	1078	85	1,2	1079	130	1,2
BVR	3/4"	FS - M/H	110	140	95	15	23,5	9	1077	1078	100	1,8	1079	150	1,9
BVR	1"	FS - M/H	135	170	115	20	30	10	1077	1078	120	3,2	1079	185	3,5
BVR	1.1/4"	FS - M/H	150	185	150	25	38	12	1077	1078	135	4,9	1079	245	5,3
BVR	1.1/2"	FS - M/H	170	215	150	30	45	15	1077	1078	160	6,8	1079	245	7,6
BVR	2"	FS - M/H	195	250	150	40	58	16	1077	1078	185	10,2	1079	285	11,6

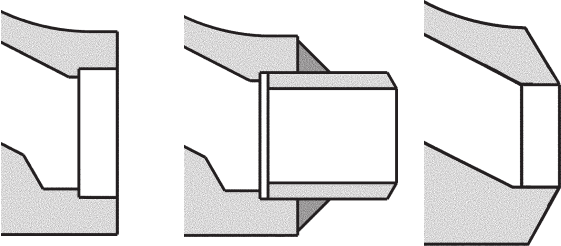


Fig. 1078.1 Fig. 1079.1 Fig. 1079.2

Part	Part Material for Material Schedule	
	FS - F	M/H
1 Body	ASTM A105 H ASTM A216 WCB H	ASTM A182 F316 H ASTM A351 CF8M H
2.1 Lower Valve Ring	Graphite T1	Graphite T1
2.2 Upper Valve Ring	Graphite T1	Graphite T1
3 Lantern Bush	Carbon Steel H JL 1040 H	ASTM A479 Tp.316
4 Piston	ASTM A582 - XM 34	ASTM A479 Tp.316
5 Split Nut I	Fe37 + H.T.	Fe37 + H.T.
6 Spindle	A479 Tp410	A479 Tp410
7 Handwheel	Cast iron	Cast iron
8 Handwheel Nut	5-2	5-2
9 Bonnet	ASTM A105	ASTM A105
10 Stud Bolt and Nut	A193 B7 - A194 2H	A193 B7 - A194 2H
11A Washer	Carbon Steel	Carbon Steel
16 Threaded Bush s	ASTM A439 D2	ASTM A439 D2
17 Pin s	Carbon Steel	Carbon Steel
41 Thrust Plate n	AISI 420 H.T.	AISI 420 H.T.
50 Name Plate	Aluminium	Aluminium

I not existing for d = 10, 15, 20 mm H depending upon Size
s for d = 30 mm and larger, only n for d = 30 mm and larger, only

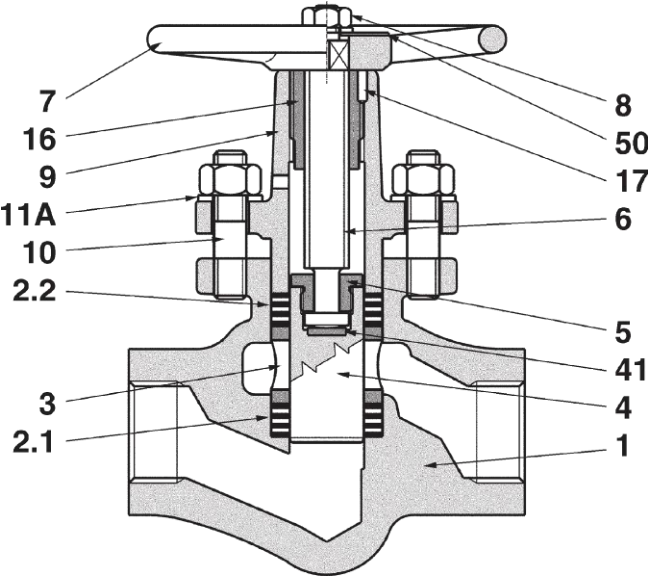


Fig. 1077