



Fig. BV-401 (ANSI150)
 BV-402 (JIS10K)
 BV-403 (PN10)
 BV-404 (PN16)



SPECIFICATION

- Designed and Manufacture : JIS B2031, JIS B2002, DN15-100(6).
- Face to Face dimensions : ASME B16.10, JIS B2002.
- Pipe flanges and flanged ends : ASME B16.1, JIS B2212.

FEATURE AND APPLICATION

1. 2-piece and Floating Ball Design by Full Port.
2. Blow-out proof stem.
3. Flange End Connections ; JIS10K, ANSI150, PN10, PN16
4. Adjustable Stem Packing.
5. Operate by Lever Handle for 2" - 8", Gear Operate for 10"
6. For General and Industrial Services.
7. Water, Oil, Gas and Steam.

MATERIALS

NO.	NAME OF PARTS	MATERIAL
1	Body	Cast Iron (A126, FC200, GG25)
2	Bonnet	Cast Iron (A126, FC200, GG25)
3	Nut	Carbon Steel (SS400)
4	Bolting	Carbon Steel (SS400)
5	Ball	Stainless Steel (CF8, SCS13, SUS304)
6	Seat	PTFE (TEFLON)
7	Gasket	PTFE (TEFLON)
8	Stem	Stainless Steel 410
9	Stem Packing	PTFE (TEFLON)
10	Gland Flange	Cast Iron (A126, FC200, GG25)
11	Stop Collar	Carbon Steel (SS400)
12	Circlip	Carbon Steel (SS400)
13	Hand Lever	Ductile Iron (A395, QT450, GGG40)
14	Gland Bolt	Carbon Steel (SS400)

PERFORMANCE

Application	Max. Working Pressure & Temperature	Test
Water, Oil, Gas	200 psi. (14 bar) 120°C	- Hydrostatic shell test 25 bar
Saturated Steam	70 psi. (5 bar) 150°C	- Hydrostatic seat test 15 bar
		- Air test 6 bar

DIMENSIONS

Unit : mm

SIZE inch.	H	L	W	JIS10K			ANS150			PN10			PN16		
				D	C	N	D	C	N	D	C	N	D	C	N
2"	115	178	245	155	120	4	152	121	4	165	125	4	165	125	4
2.1/2"	135	190	285	175	140	4	178	140	4	185	145	4	185	145	4
3"	155	203	300	185	150	8	191	152	4	200	160	8	200	160	8
4"	170	229	320	210	175	8	229	191	8	220	180	8	220	180	8
5"	195	356	350	250	210	8	254	216	8	250	210	8	250	210	8
6"	240	394	380	280	240	8	279	241	8	285	240	8	285	240	8
8"	295	457	420	330	290	12	343	299	8	340	295	8	340	295	12
10"	380	533	Gear	400	355	12	406	362	12	395	350	12	405	355	12
12"	680	610	Gear	445	400	16	483	432	12	445	400	12	460	410	12