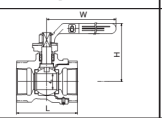
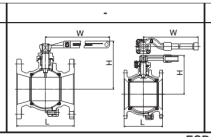
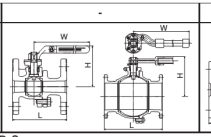
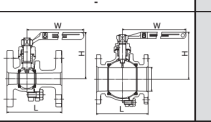
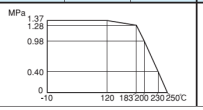
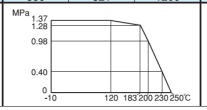
Class	Type	Connection	Feature		Model	Page	inch(B) / mm(A)	¼ / 8	⅜ / 10	½ / 15	¾ / 20	1 / 25	1¼ / 32	1½ / 40	2 / 50	2½ / 65	3 / 80	4 / 100	5 / 125	6 / 150	8 / 200	10 / 250	12 / 300	14 / 350	16 / 400	18 / 450	20 / 500
10K	Globe	Screw	UB		M10KSG	16			●	●	●	●	●	●	●												
		Flange			M10KFG	16			●	●	●	●	●	●	●												
			BB,IS		M10KFGI	16				●	●	●	●	●	●												
			BB,OS&Y		M10KFGO	16									●	●	●	●	●	●	●	●					
		Screw	UB	Soft Seating	M10KSD	16			●	●	●	●	●	●	●												
		Flange			M10KFD	16			●	●	●	●	●	●	●												
			BB,IS		M10KFDI	16				●	●	●	●	●	●												
			BB,OS&Y		M10KFDO	16									●	●	●	●	●	●	●	●					
	Needle	Screw	UB,IS		M10KSN	17			●	●	●	●	●	●	●												
		Flange			M10KFN	17			●	●	●	●	●	●	●												
	Bellows	Flange	BB,OS		M10KFGB	17				●	●	●	●	●	●	●	●	●	●	●	●	●					
				Soft Seating	M10KFDB	17				●	●	●	●	●	●	●	●	●	●	●	●	●					
	Gate	Screw	BB,IS		M10KSS	17				●	●	●	●	●	●												
		Flange			M10KFS	17			●	●	●	●	●	●	●												
			BB,OS&Y		M10KFSO	17								●	●	●	●	●	●	●	●	●					
					D10KFSO	17																		●	●	●	●
	Lift Check	Screw	UC		M10KSC	18				●	●	●	●	●	●												
		Flange			M10KFC	18			●	●	●	●	●	●	●												
		Screw		Soft Seating	M10KSCD	18				●	●	●	●	●	●												
		Flange			M10KFCD	18			●	●	●	●	●	●	●												
	Swing Check	Flange	BC		M10KFCS	18								●	●	●	●	●	●	●	●	●					
	Strainer	Flange			M10KFT	18				●	●	●	●	●	●	●	●	●	●	●	●	●					
	Ball	Screw	1 size Reduced Bore		BM10KS2B	20				●	●	●	●	●	●												
		Flange			BM10KF2B	20										●	●	●	●	●	●	●					
			Full Bore		BM10KF0B	20				●	●	●	●	●	●	●	●	●	●	●	●						
					BM10KF1B	20				●	●	●	●	●	●	●	●	●									
		Screw	1 size Reduced Bore	For City Gas	BM10KS2L	20				●	●	●	●	●	●		●										
		Flange			BM10KF2L	20										●	●	●	●	●	●	●					
			Full Bore		BM10KF0L	20				●	●	●	●	●	●	●	●	●	●	●	●	●					
		Screw	1 size Reduced Bore	For Underground city gas line	BM10KS2G	21				●	●	●	●	●	●		●										
		Flange			BM10KF2G	21										●	●	●	●	●	●	●					
			Full Bore		BM10KF0G	21				●	●	●	●	●	●	●	●	●	●	●	●	●					

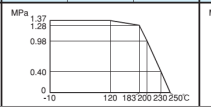
10K Ball Valve

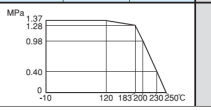
MODEL	BM10KS2B *1	BM10KF2B *1	BM10KF0B *1	BM10KF1B *2	MODEL
TYPE	Ball Valve				TYPE
FEATURE	-	-	-	-	FEATURE
FIGURE					FIGURE
BODY	FCD-S				BODY
BALL	SUS304	SUS304:Nominal size 65-125A SUS304:Nominal size 15-100A	SCS13A:Nominal size 150-250A SCS13A:Nominal size 125-200A	SUS304	BALL
STEM	SUS403				STEM
SEAT RING	FT SEAT				SEAT RING
AUXILIALY SEAT	-			SUS304	AUXILIALY SEAT
LEVER HANDLE	Color:Blue FCMB340	Color:Blue FCMB340:Nominal size 65-125A	Color:Blue FCMB340:Nominal size 15-100A	Color:Blue FCMB340	LEVER HANDLE
HANDLE BOSS +PIPE	-	Color:Blue FCMB340+STPG Nominal size 150-250A	Color:Blue FCMB340+STPG Nominal size 125-200A	-	HANDLE BOSS +PIPE
GASKET	SUS304	H1215	PTFE reinforced with fller	H1215	GASKET
PACKING	PTFE	PTFE reinforced with filler	PTFE	PTFE reinforced with filler	PACKING
BORE	One size reduced bore		Full bore		BORE

MODEL		BM10KS2B			BM10KF2B			BM10KF0B			BM10KF1B			MODEL	
NOMINAL SIZE		L	H	W	L	H	W	L	H	W	L	H	W	NOMINAL SIZE	
1/2B	15A	66	69	120				108	73	120	108	81	120	1/2B	15A
3/4	20	75	73	120				117	76	120	117	85	120	3/4	20
1	25	87	76	120				127	92	150	127	103	150	1	25
1 1/4	32	100	92	150				140	98	150	140	108	150	1 1/4	32
1 1/2	40	115	96	150				165	110	220	165	129	220	1 1/2	40
2	50	130	104	220				178	117	220	178	139	220	2	50
2 1/2	65				190	139	220	190	132	220	190	151	220	2 1/2	65
3	80				203	151	220	203	170	320	203	186	320	3	80
4	100				229	186	320	229	186	400	229	202	400	4	100
5	125				254	202	400	292	225	800				5	125
6	150				267	243	800	394	245	1000				6	150
8	200				292	262	1000	457	301	1200				8	200
10	250				330	321	1200							10	250





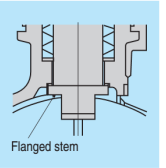




DISTINCTIVE FEATURES OF GOURD BRAND BALL VALVES

1. Stem Ejection Prevention Mechanism

If the pressure inside of ball valve has not been purged completely before the maintenance of the packing, the stem may be ejected due to the residual pressure.
To prevent this sort of incident the stem of our ball valve has the brim as the sketch shows.

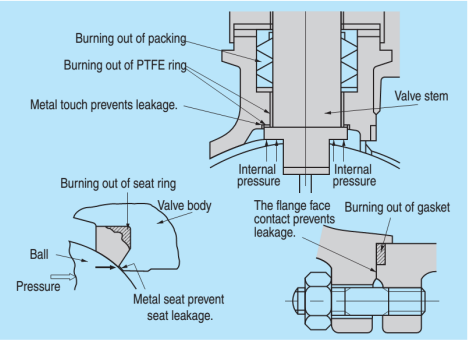


2. FT seat

Newly developed FT seat made from "PTFE+ PFA" is adopted as the material of seat ring and the valve can be used up to 230°C.

3. Fire Safe Structure

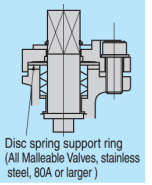
The fire safe structure prevent the fluid to leak outside the valve even when seat ring, packing and gasket might be burnt out during a fire (Different specifications from JPI/API standard.)
This structure is supplied as option for ductile iron ball valve.



Additional ferture of ball valve for city gas piping

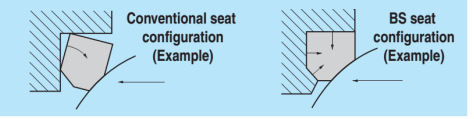
1. Long life service, free from gland leak

The packing is designed to be conical with sufficient width and height to prevent deformation and gland leak due to the load from stem during open/ close operation of handle and temperature change.
Also disc spring is placed on the packings to press them constantly.



2. Durable and high shut-off performance seat

BS(Back suported) seat: Lug is made on the valve body inside where seat is placed in to hold seat as skeched without deformation by the pressure from the ball.



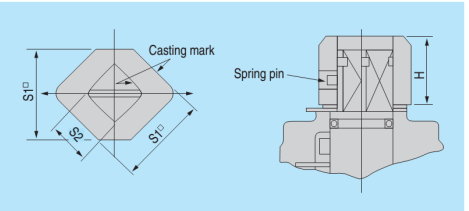
3. Double sealing in gland

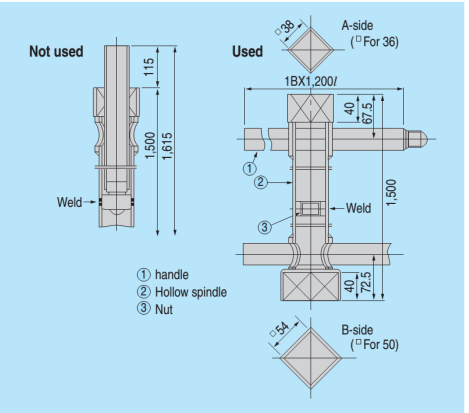
The gland is a doubled sealing structure using O-ring as well as gland packings to prevent intrusion of soil and rain.

◆Dimensions of square boss of ball valve for buried piping

Nominal size (A)	Full bore				Reduced bore			
	S1	S2	H (Reference)	Mark	S1	S2	H (Reference)	Mark
15	36	9	40	2G	36	9	40	2G
20	36	9	40	2G	36	9	40	2G
25	36	12	40	3G	36	9	40	2G
32	36	12	40	3G	36	12	40	3G
40	36	19	40	5G	36	12	40	3G
50	36	19	40	5G	36	19	40	5G
65	50	19	40	5A	50	19	40	5A
80	50	24	40	6G	50	24	40	6G
100	50	24	40	6G	50	24	40	6G
125	50	28	40	7G	50	24	40	6G
150	50	28	40	7G	50	28	40	7G
200	50	34	40	8G	50	28	40	7G
250					50	34	40	8G
300								

Note (1)Consult the dimension of square boss not listed in the table with Hitachi Valve
(2)Use a boss of Hitachi Valve.



◆T-handle of ball valve for buried piping

(1)The T-handle is applicable to both 36□and 50□ of handle square boss of ball valve for buried piping.
(2)When use, take out handle① from hollow spindle, and then insert to a hole as shown in the figure below.
(3)Be careful not to apply too much torque when using A side whose valve size is 50A or less.
(4)Be sure to confirm the open /close position of a valve as a whole by the open/close indication attached on the valve.