



Shanghai Tianfa Trading Co., Ltd.

E-mail: sales@tianvalve.com

Address: Road318. Nanxiang Town,  
Jiading District, Shanghai

## HIGH-PRESSURE FORGED-STEEL BALL VALVE

### MAIN PARTS AND MATERIALS

Accessory name	Material	
	GB	ASTM
Body, bonnet	WCB	A216-WCB
Sealing ring	Nylon	Nylon
Ball	1Cr18Ni9Ti	SS 304
Seat, stem	2Cr13	A246-416
O-ring	RUBBER	RUBBER
Dual-head bolt	35CrMoA	A193-B7

### MAIN PERFORMANCE SPECIFICATIONS

PN (Mpa)	Test pressure (Mpa)		
	Shell	High-pressure liquid sealing	Low-pressure hermetic sealing
16.0	24	17.6	0.6
32.0	48	35.2	
Applicable temperature		-40~80℃	
Applicable medium		Water, oil products, nitrogen, ammonia, hydrogen, and liquefied gas, etc.	

### MAIN TYPES AND CONNECTION DIMENSIONS

PN (MPa) Nominal Diameter	DN (mm) Nominal Pressure	主要尺寸 (mm)														
		L		L1		D		D1		H		W	M	D2	b	Z-Φd
		Flange	Butt-Welding	Flange	Butt-Welding	Flange	Butt-Welding	Flange	Butt-Welding	Flange	Butt-Welding		法兰 Flange			
16.0	10	210	150	52	60	95	90	60	18	77	58	220	M24×2	18	20	3-18
	15	230	170	62	70	95	100	60	23	85	62	220	M24×2	20	20	3-18
	20	240	190	73	80	105	110	68	29	94	75	250	M33×2	28	20	3-18
	25	260	205	77	95	105	115	68	36	100	80	250	M33×2	28	22	3-18
	32	300	230	100	110	115	150	80	43	120	96	300	M42×2	38	24	4-18
	40		260	110	120	165	170	115	49	150	111	400	M52×2	48	30	6-26
	50	400	330	130	140	165	200	115	61	165	128	450	M64×3	58	32	6-26
	65	490	360	140	150	200	225	145	80	180	180	500	M80×3	74	40	6-29
	80	580	380	150	160	225	270	170	105	200	200	600	M100×3	94	50	6-33
100	620	430	178	188	260	320	195	118	245	245	800	M125×4	115	60	6-36	
32.0	10	210	150	52	60	95	90	60	18	77	58	220	M24×2	18	20	3-18
	15	230	170	62	70	105	100	68	23	85	62	220	M33×2	28	20	3-18
	20	240	190	73	80	105	110	68	29	94	75	250	M33×2	28	20	3-18
	25	260	205	77	95	115	115	80	36	100	80	250	M42×2	35	25	4-18
	32	300	230	100	110	135	150	95	43	120	96	300	M52×2	41	30	4-22
	40	350	260	110	120	165	170	115	49	150	111	400	M64×3	47	35	6-26
	50	400	330	130	140	200	200	145	61	165	128	450	M80×3	70	40	6-29