



Shanghai Tianfa Trading Co., Ltd.

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FLANGE-CONNECTION STIFF METALLIC SEALING BALL VALVE

MAIN PARTS AND MATERIALS

NO.	Accessory name	Material	
		GB	ASTM
1	Body	WCB	A216-WCB
2	Sealing Ring	Flexible Graphite	Flexible Graphite
3	Seat	1Cr18Ni9Ti	304
4	Ball	2Cr13	A276-420
5	Nut	35	A194-2H
6	Stud	35CrMoA	A193-B7
7	Gasket	1Cr18Ni9Ti	304
8	Spring	60Si2Mn	AISI 9260
9	Gasket	Graphite +stainless steel	B12.10-304/F.G
10	Stuffing	Graphite PTFE	Graphite PTFE
11	Gland	WCB	A216- WCB
12	Ring	65Mn	AISI 1066
13	Stem	1Cr13	A276-410
14	Screw	35	A193-B7

PERFORMANCE SPECIFICATIONS OF THE PRODUCTS

Pressure Rating		Nominal Pressure (PN)					Pound Grade (Class)			
		1.6	2.5	4.0	6.4	10.0	150	300	400	600
Test Pressure (Mpa)	Shell Test	2.4	3.75	6.0	9.6	15.0	3.03	7.5	10.2	15.0
	Pressure Test	1.76	2.75	4.4	7.04	11.0	2.2	5.5	7.48	11.0
Applicable Operating Model	Applicable Medium	Pulps like paper pulp, dusts, and medium with solid particles								
	Applicable Temperature	-196~≤550℃								
Applicable Specifications	The designing and manufacturing work follows	GB12237-89 API 6D JP17S-48								
	Flange dimension follows	JB79-59, GB9113, HG20592-97 ANSI B16.5 JIS B2212-2214								
	Physical dimension follows	GB12221-89 ANSI b16.10 JIS B2002								
	Test and inspection follows	JB/T9092-99 API598								