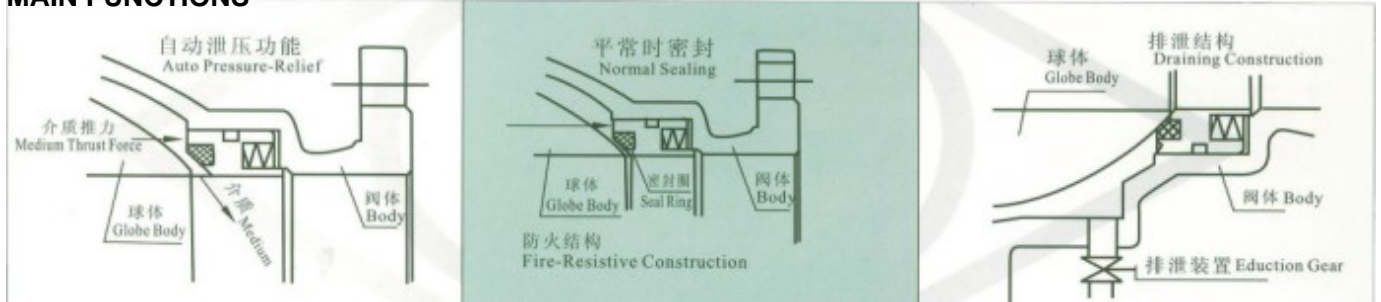
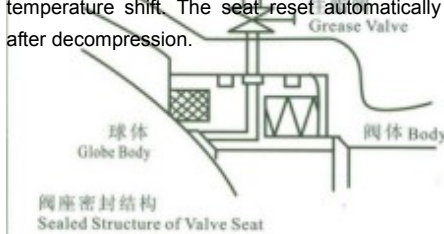


PIPELINE BALL VALVE FOR LONG-DISTANCE TRANSPORTATION

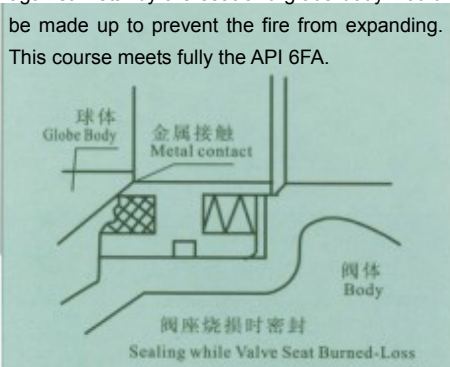
MAIN FUNCTIONS



The pressure of the medium would press the valve seat off from globe body to make a auto-decompression realization when the pressure of the medium remained in the lumen of the valve increases abnormally caused by temperature shift. The seat reset automatically after decompression.



The valve is still reliable on occasion of fire hazard happens or the seal ring on the valve seat burned or softened caused by abnormal temperature-rise. Meanwhile, the contact of natal against metal by the seat and globe body would be made up to prevent the fire from expanding. This course meets fully the API 6FA.



After the education gear being screwed-off, the valve seat could be checked for leakage, and vented to reduce the medium from polluting the valve. When the valve stays at full-open or full-close position under operating model, the stuffing box on stem could be replaced.



Besides normal sealing measures, the specially-mounted auxiliary sealed construction on the valve seat can work to first-aid the leakage caused by the damage of the seal ring.

The double sealing of stuffing PTFE and O-ring is applied for sealing the part of stem, thus this measure is applicable especially for gaseous medium. The high-quality self-lubricating bearing SF is utilized on the motion parts of the handle to minimize the coefficient of friction and reduce operating physical force.

MAIN PARTS AND MATERIALS

NO.	Accessory name	Material	
		GB	ASTM
1	Body	WCB A105	A182 F316
2	Spring	60Si2Mn	316
3	Sealing Ring		RPTFE
4	Gasket	Graphite stainless steel	Graphite+316
5	Blow off screw	25	316
6	O-Ring	Rubber	Rubber
7	Bottom cover	A105	316
8	Screw	35	316
9	Stem	2cr13+nickel coated phosphorus	316
10	Sliding bearing	PTFE& stainless steel	316+PTFE
11	Ball	A105	A182 F316
12	Seat	A105	316
13	Stud	35CrMoA	316
14	Nut	35	316
15	Cover	A105	316
16	Stuffing	PTFE	PTFE
17	Gland	WCB	A216-WCB
18	Key	45	316



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MAIN PERFORMANCE AND SPECIFICATIONS

PN (Mpa) Nominal pressure	The highest	Test pressure			Pressure class	The highest	Test pressure		
	(Mpa)	Shell	High-pressure liquid sealing	Low-pressure heretic sealing		(Mpa)	Shell	High-pressure liquid sealing	Low-pressure heretic sealing
1.6	1.6	2.4	1.76	0.6	CLASS1 50	1.94	2.94	2.16	0.6
2.5	2.5	3.7 5	2.75		CLASS3 00	5.1	7.67	5.62	
4.0	4.0	6.0	4.4		CLASS6 00	10.2	15.3	11.23	
6.4	6.4	9.6	7		CLASS9 00	15.1	23	16.85	
10.0	10.0	15	11		CLASS1 500	25.1	37.5	27.5	
Applicable Specification	Physical dimension follows		GB12221-89		ANSI B16.10				
	Flange dimension follows		JB79-59	GB 9113	HG20592-97	ANSI B16.5			
	Welding standard follows		GB12224-89		ANSI B 16.25				
	Test and inspection follows		JB/T 9092-99		API 598				
Applicable Operating Model	Applicable medium		Natural gas, liquefied gas, petroleum and other medium						
	Applicable temperature		-28℃~≤150℃						
	Driving manner		Worm gear, air operated, electric driving, combined air and hydraulic driving etc.						
Please refer to the sample book of form of Main Types and Connecting Dimension for particular installation dimension									