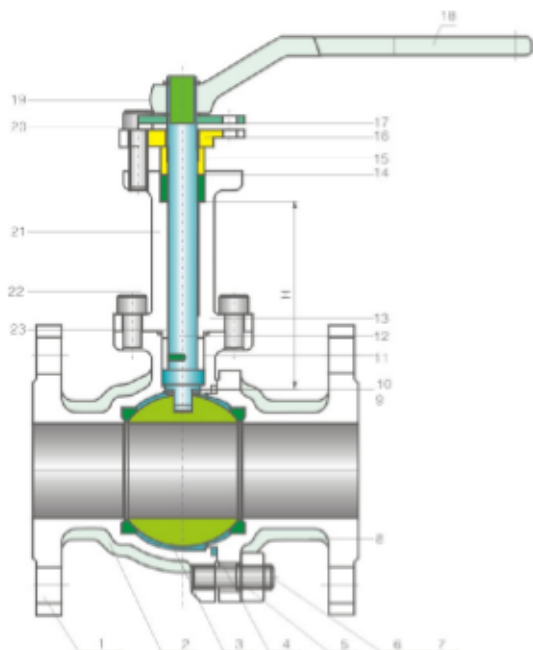


Cryogenic ball valve major features



The cryogenic ball valve is applicable to different pipeline of Class 150 ~ Class 1500, PN16 ~ PN100, JIS10K ~ JIS20K. By adopting different materials, the cryogenic ball valve is applicable to different working temperature and medium. The minimum temperature of the ball valve is -196°C . The operation of the ball valve can be manual operated, gear operated, pneumatic operated and motor operated. The connection is usually flanged ends. However, the welded ends are optional.

Cryogenic ball valve is used for low temperature working condition, Especially for some hazard media, such as liquidized natural gas. Our company has been experienced in the design, manufacturing, inspection and test of cryogenic ball valve.

Main parameter specification

(Design and Manufacture): API 6D, ASME B16.34(BS5351), API 608, MSS-SP-72

(Face to Face Dimension): ASME B16.10, API 6D

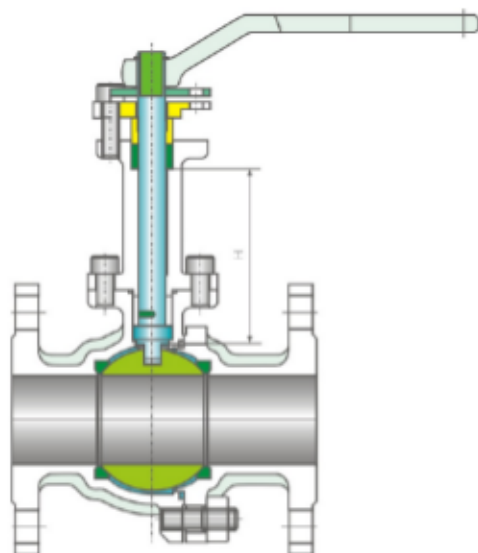
(Flange Connection Dimension): ASME B16.5, NPS $\geq 26"$ PER as ASME B16.47

(BW Connection Dimension): ASME B16.25

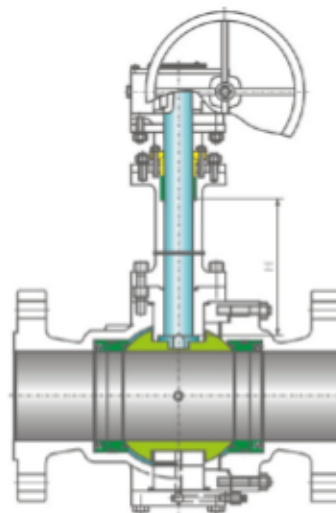
(Test and Inspection): API 598, API 6D

(Fire-Safe Design): API 607/6FA

(Anti-Static Design & Anti Blow-Out Stem)



QF1041931B1-QF1041931B6



QF1347931B1-QF1347931B6

Main material

NO.	PART NAME	Material
		-46℃ -196℃ -101℃
1	Left Body	A352-LCB, LCC, LC3,A351-CF8, CF8M
2	Seat	PTFE, RPTFE, PEEK, PPL, POM, KARBATE, NYLON, MOLON, DEVLON
3	Ball	A182-F304, F316
4	O-Ring	VITON
5	Gasket	Flexble Graphite+304, Flexble Graphite+316, PTFE
6	Bolt	A194-4, 8, 8M
7	Nut	A320-L7,A193-B8, B8M
8	Right Body	A352-LCB, LCC, LC3,A351-CF8, CF8M
9	Small Spring	SS304, SS316
10	Small Ball	PTFE
11	Thrust Washer	A182-F6, F314, F316
12	Stem	FlexibleGraphite,PTFE
13	Gasket	A182-F6, F304, F316
14	Packing	A352-LCB, A351-CF8
15	Gland	1025, stainless steel
16	Gland-Flange	A216-WCB
17	Limited Plate	1025
18	Lever	1035, stainless steel
19	Screw	A352-LCB, LCC, LC3, A351-CF8, CF8M
20	Screw	1035, stainless steel
21	Extend bonnet	A352-LCB, LCC, LC3,A351-CF8, CF8M
22	Screw	1035, stainless steel
23	Bushing	A182-F6a, F304, F316

Size (in)	H(°)		
	-46℃	-101℃	-196℃
1/2	90	110	130
3/4	100	110	140
1	100	120	150
1 1/2	110	130	160
2	110	130	170
3	120	150	190
4	130	160	200
6	140	170	220

SIZE(in)	H(°)		
	-46℃	-101℃	-196℃
8	140	170	220
10	150	180	240
12	150	180	240
14	160	190	250
16	160	190	250
18	160	190	250
20	170	200	260
24	170	200	260

***the extension part for low temperature service can be designed acc.to clients requirement.