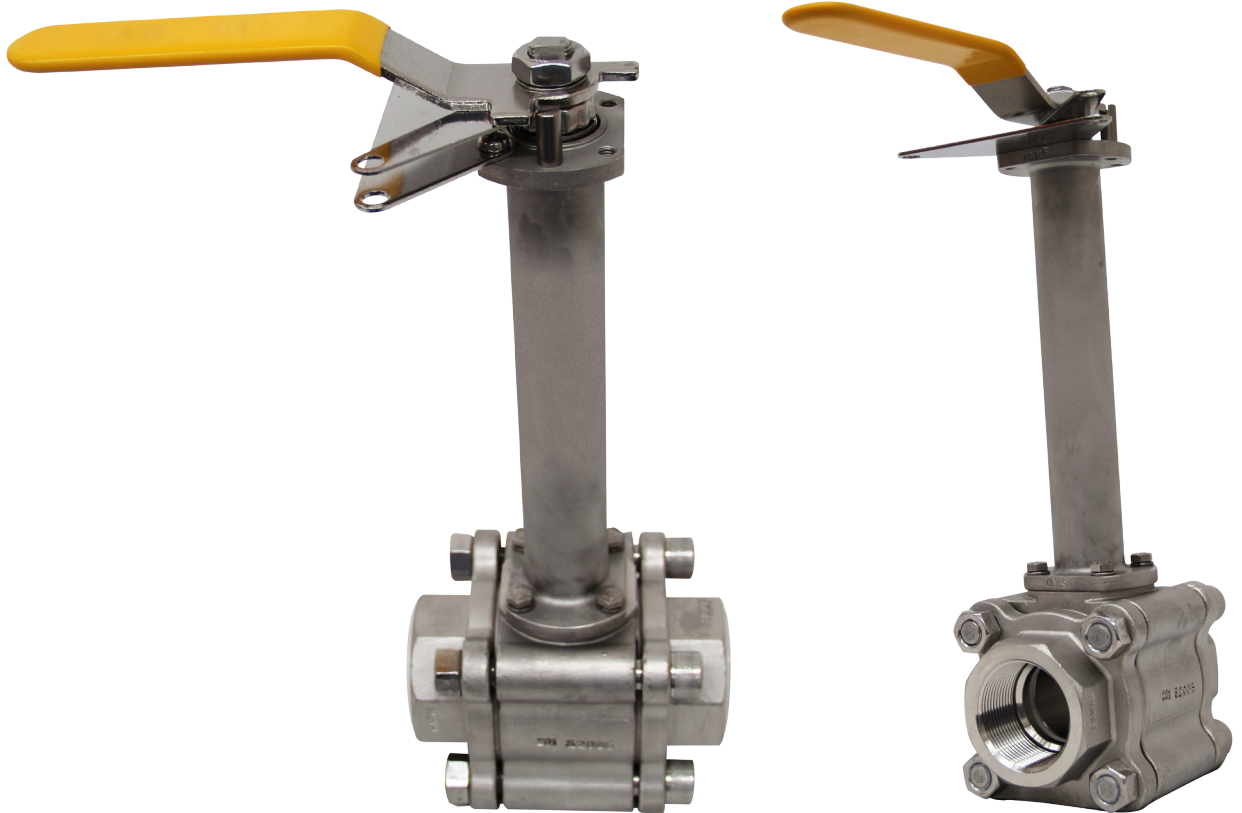


Three Piece Direct Mounted Extended Stem Cryogenic Valve

Válvula de bola de 3 piezas con vástago
extendido para servicio criogénico

Model: BVCRYSS

Rating: 2000 CWP



Design feature:

- Direct-mounting of actuator to valves, square stem can be with direct mount without bracket/adaptor low cost and easy automation.
- The stem extensions of cryogenic valves conform to standard industrial practices. And lengths that keep heat transfer down, the packing frost free, operational torques low.
- Upstream relief hole in the ball prevents dangerous overpressure due to thermal expansion.
- Specially design to provide leak proof operation to -320°F
- Connect: Threaded, butt-weld, socket-weld.
- Investment cast body construction.
- Except actuating service, handle lever is available for manual optional.

Specifications:

- Construction: 3-piece bolted design.
- Flow bore: full port.
- Rating: 1/2"~2":2000 PSI; 2-1/2"~4":1000 PSI.
- Temperature: -320°F~400°F (PC-TFE).
- Materials: ASTM CF8M, CF8.
- Size range: 1/2"~4" (DN15~DN100)

Dimensions List

Size	OD	CD	ID	L	L1	C	E	H1	H2	H3	ISO 5211
1/2	15	15.8	22	75	75	156	9	8	200	278	F04
3/4	20	20.9	27.4	80	90	156	9	8	200	280	F04
1	25	26.6	34.1	90	100	181	11	10	200	295	F05
1-1/4	31	35	42.9	110	110	181	11	10	200	300	F05
1-1/2	38	40.8	49	120	125	195	14	13	300	420	F05, F07
2	47.5	52.5	61.5	140	150	195	14	1	300	430	F05, F07
2-1/2	63.5	65.9	77.2	185	190	495	17	92.4	301	438	F07, F10
3	76.0	77.9	90.0	205	220	495	17	101.9	301	448	F07, F10
4	97.0	102.3	115.4	240	270	650	22	123.5	301	469	F07, F10

Materials list:

No	Parts name	Specification
1	Body	CF8M
2	End cap	CF8M
3	Solid ball	ASTM A351 CF8M
4	Anti-static stem	17-4 PH SS
5	Ball seat	PCTFE (KEL-F)
6	Body seal	Grafoil
7	Thrust washer	PCTFE (KEL-F)
8	Stem packing	PCTFE (KEL-F)
8A	O-ring	Viton
9	Thrust washer	PCTFE (KEL-F)
10	Stem nut	SS304
11	Saddle washer	SS304
12	Handle	SS304
13	Bolt	SS304
14	Nut	SS304
15	Washer	SS304
16	Bolt	SS304
17	Body bolt	SS304
18	Sleeve	Vinyl
19	Extension	CF8M
20	Thrust bearing	25% Carbon+PTFE
21	Extension gasket	Grafoil
22	Extension bolt	SS304

