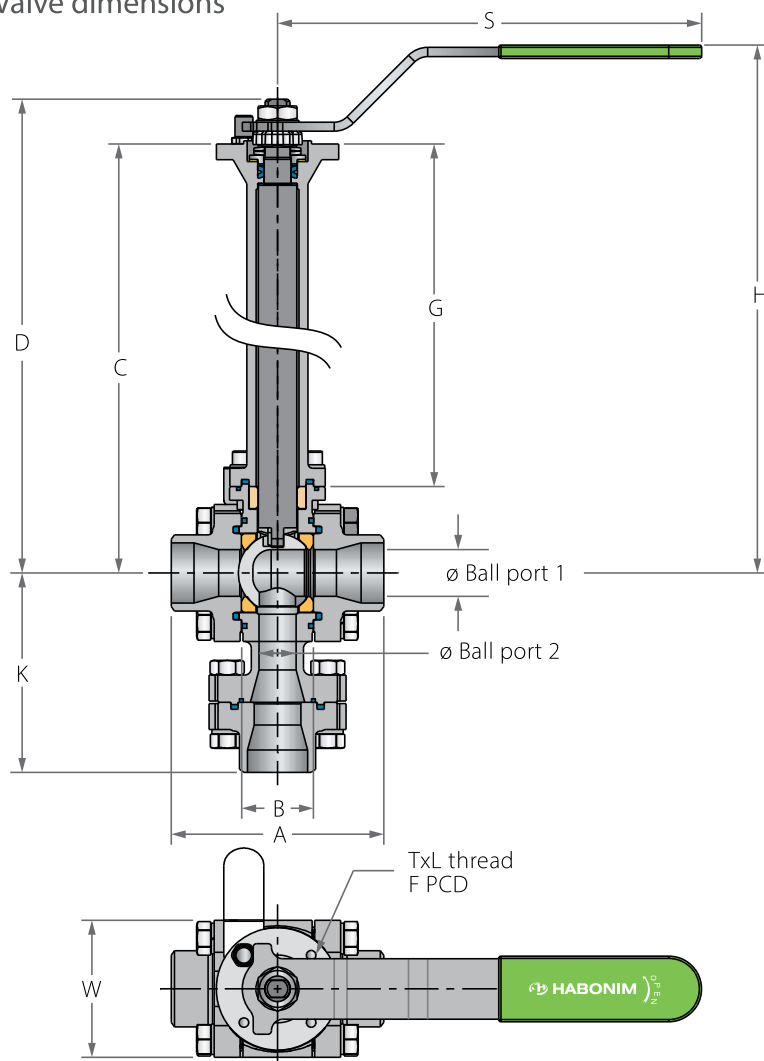
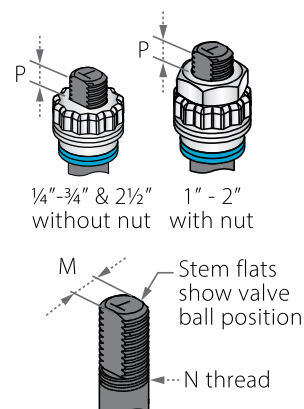


Cryogenic Diverter Bottom Entry Floating Ball

Valve dimensions



Preparation for actuation

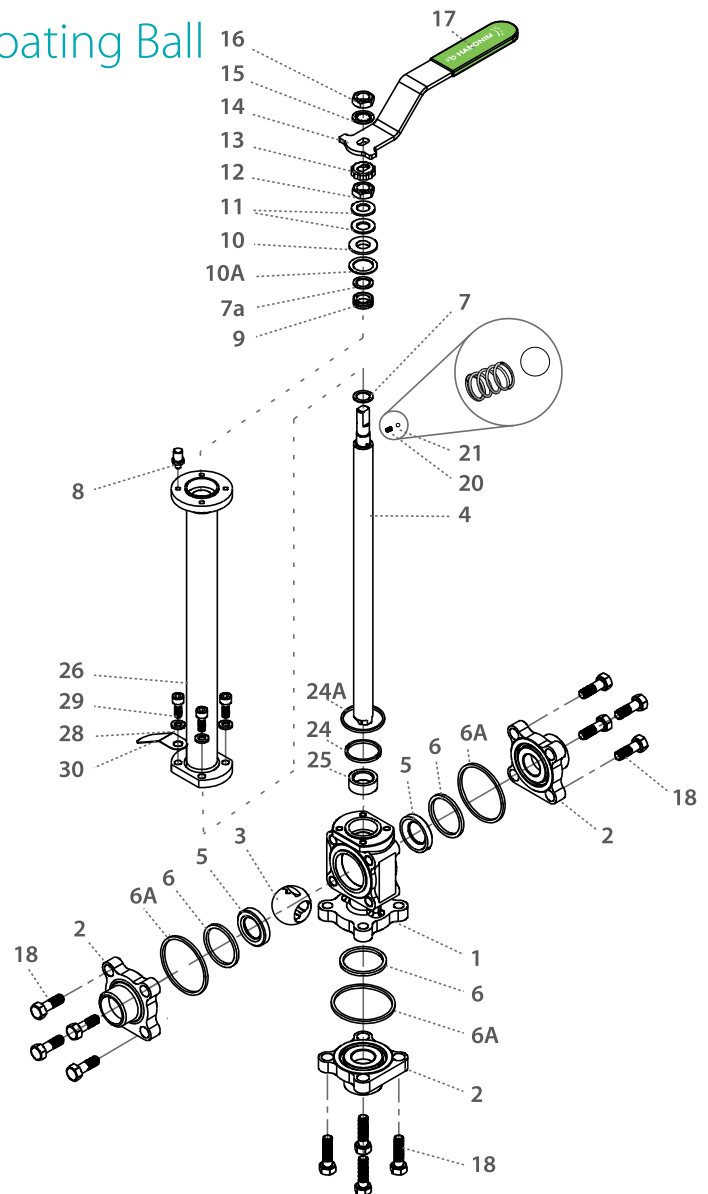


Std. port	Full Port	Unit	Ball port1	Ball port2	A	B	Standard design				6.0" bonnet				K	S	W	M	N	P	F	TxL	Weight kg/lb	
							C	D	G	H	C	D	G	H									Std.	6.0 Bonnet
DN15	DN10	mm	10.5	9.5	65.8	20.6	333	341.9	304	367.3	181.4	190.3	152.4	215.7	88.2	150	45.8	5.5	3/8" UNF	7.2 (F03)	36	M5X7	1.79	1.47
½"	3/8"	inch	0.41	0.37	2.59	0.81	13.11	13.46	11.97	14.46	7.14	7.49	6	8.49	3.47	5.91	1.8	0.22		0.28	1.42		3.93	3.23
DN20	DN15	mm	14.3	11.9	70.55	24.55	335.4	344.3	304	369.6	183.8	192.7	152.4	218	93.7	150	52.1	5.5	3/8" UNF	7.2 (F03)	36	M5X7	1.52	1.20
¾"	½"	inch	0.56	0.47	2.78	0.97	13.2	13.56	11.97	14.55	7.24	7.59	6	8.58	3.69	5.91	2.05	0.22		0.28	1.42		3.35	2.64
DN25	DN20	mm	20.65	15.9	93.75	31.75	342.15	359.65	304	387	190.55	208.05	152.4	235.4	119	187	60.45	7.54	7/16" UNF	7.2 (F04)	42	M5X7	3.19	2.84
1"	¾"	inch	0.81	0.63	3.69	1.25	13.47	14.16	11.97	15.24	7.5	8.19	6	9.27	4.69	7.32	2.38	0.3		0.28	1.65		7.02	6.25
DN32	DN25	mm	25.4	20.5	108	41.25	346.65	364.15	304	388	195.05	212.55	152.4	236.4	130.15	187	68.8	7.54	7/16" UNF	7.2 (F04)	42	M5X7	4.21	3.75
1 ¼"	1"	inch	1	0.81	4.25	1.62	13.65	14.34	11.97	15.28	7.68	8.37	6	9.31	5.12	7.36	2.71	0.3		0.28	1.65		9.25	8.24
DN40	DN32	mm	26.6	31.8	115.35	48.35	347.55	377.05	304	404	195.95	225.45	152.4	252.4	139	237	79.15	8.71	9/16" UNF	8 (F05)	50	M6X8	5.22	4.65
1 ½"	1 ¼"	inch	1.05	1.25	4.54	1.90	13.68	14.84	11.97	15.91	7.71	8.88	6	9.94	5.47	9.29	3.12	0.34		0.31	1.97		11.51	10.25
DN50	DN40	mm	38.15	35	127.9	56.3	352.25	381.75	304	409	200.65	230.15	152.4	257.4	149.45	237	90.7	8.71	9/16" UNF	8.5 (F05)	50	M6X8	6.68	6.11
2"	1 ½"	inch	1.50	1.38	5.04	2.22	13.87	15.03	11.97	16.1	7.90	9.06	6	10.13	5.88	9.29	3.57	0.34		0.33	1.97		14.72	13.47



Cryogenic Diverter Bottom Entry Floating Ball

Components & materials



Item	Description	Material specifications	Qty.
1	Body	Acc. Ordering Code	1
2	End	Acc. Ordering Code	3
3	Ball	Acc. Ordering Code	1
4	Stem	Acc. Ordering Code	1
5*	Seat	Acc. Ordering Code	2
6*	Body seal	TFM	3
6A*	Secondary Seal	Graphite, TFM	2
7*	Stem thrust seal	PCTFE	1
7a*	Anti-abrasion ring	PCTFE	1
8	Stop pin	S. Steel	1
9*	Stem seal	TFM	1
10	Follower	S. Steel	1
10A	Slide bearing	S. Steel	1
11	Disc spring	S. Steel	2
12	Stem nut	S. Steel	1
13	Locking clip	S. Steel	1
14	Handle	S. Steel	1

Item	Description	Material specifications	Qty.
15	Serrated washer	S. Steel	1
16	Handle nut	S. Steel	1
17	Sleeve	PVC	1
18	Body bolt	S. Steel	12
20	Anti-static spring	S. Steel	1
21	Anti-static plunger	S. Steel	1
23	Tag (not shown)	S. Steel	1
24*	Bonnet seal	TFM	1
24A*	Bonnet Secondary Seal	Acc. Ordering Code	1
25*	Stem bearing	PTFE	1
26	Bonnet	S. Steel	1
28	Bolt	S. Steel	12
30	Dog tag	S. Steel	1
26	Bonnet	S. Steel	1
28	Bolt	S. Steel	4
30	Dog tag	S. Steel	1

* Repair kit components



Cryogenic Floating Ball Multiport - Ordering Code System

"Mandatory option" options are marked with **green background** | "Standard offer" options are marked with **light green background**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	.	.	30
6	0		F	D	C	4	7	W	-	6	6	6	M	A	A	G	/	B	W			-				
Size		Features				Series		Design		Body material	Ends material	Ball material	Stem material	Seat material	Inner Seal	Outer Seal		End connection				Special features				

Size (1-2)		
Code	inch	mm
05	½"	15
07	¾"	20
10	1"	25
12	1¼"	32
15	1½"	40
20	2"	50
25	2½"	65

* Full port only

Features (3-6)	
F	Fire safe
D	Diverter bottom entry
C	Cryogenic design
B	Full port
Series (7-8)	
47	3 Piece Floating

Design (9)	
W	Total HermetiX Integrity package
Body material (11)	
6	S. Steel
End material (12)	
6	S. Steel
Ball material (13)	
6	S. St. 316L
Stem material (14)	
M	High Strength S. Steel
6	S. Steel
Z	Inconel
Seat material (15)	
A	TFM
C	PCTFE
P	CF PTFE
Inner Seal Material (16)	
A	TFM
G	Expanded graphite
Outer Seal Material (17)	
G	Expanded graphite
A	TFM
Special Features (24-30)	
B	Body made from rolled bar
6.0	Short bonnet
90	90 degrees rotation
180	180 degrees rotation applicable for bottom entry diverter valve L

End connections	
Welded	
BW10	Buttweld schd. 10
BW	Buttweld schd. 40
XBW10	Extended buttweld schd. 10
XBW	Extended buttweld schd. 40
BW5	Buttweld schd. 5
BW80	Buttweld schd. 80
BWO *	Buttweld tube OD
BWD	Buttweld DIN 11860
BWI	buttweld ISO
SW	Socket weld
SWO *	Socket weld tube OD
XBW80	Extended Buttweld 80
XSW	Extended socket weld
ETO *	Extended tube OD
ETI	Extended buttweld ISO
ETD	Extended buttweld DIN

* Std. port only

Threaded	
NPT	ASME B1.20.1 - National Pipe Taper thread
MNPT	Male NPT
BSPT	EN 10226 - Pipe Taper thread
MBSPT	Male BSPT
BSPP	ISO228-1, DIN3852 - Pipe parallel thread
DIN3852	DIN3852 - Pipe Parallel thread
AS5202	SAE internal straight thread
Flanged	
150	ASME B16.5 #150 RF
300	ASME B16.5 #300 RF
600	ASME B16.5 #600 RF
900	ASME B16.5 #900 RF
PN16	EN1092 PN16 RF
PN40	EN1092 PN40 RF
PN63	EN1092 PN63 RF
PN100	EN1092 PN100 RF
PN160	EN1092 PN160 RF
Clamp	
LL *	Compression fitting (Imperial) - No nuts & Ferrules
LM *	Compression fitting (metric) - No nuts & Ferrules
LL-NF *	Compression fitting (Imperial) - with nuts & Ferrules
LM-NF *	Compression fitting (metric) - with nuts & Ferrules
TC *	Tri-Clamp
GR	Grayloc® compatible hub (Grayloc® is a registered trademark of Grayloc Products, L.L.C.)

* Std. port only