

Floating Ball Valves

Cryogenic valves

General

3 Piece

Flanged

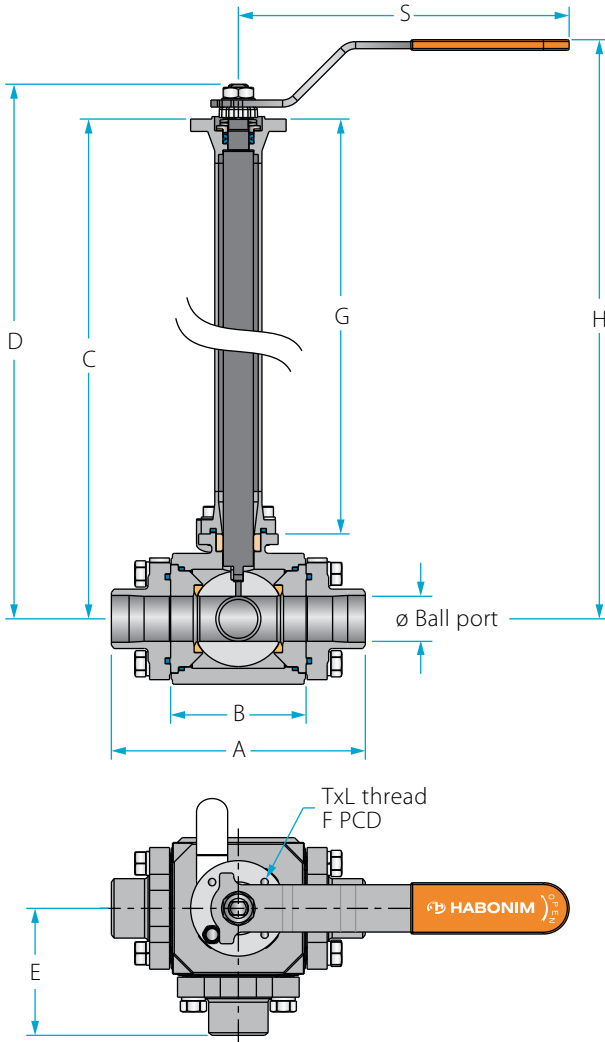
High pressure

Multiport

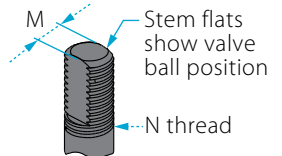
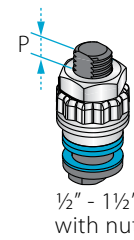
Ordering code system

Size 1/2" - 1 1/2" | DN15-DN40 | ANSI Class 600 | C61W/C61C Series

Valve dimensions

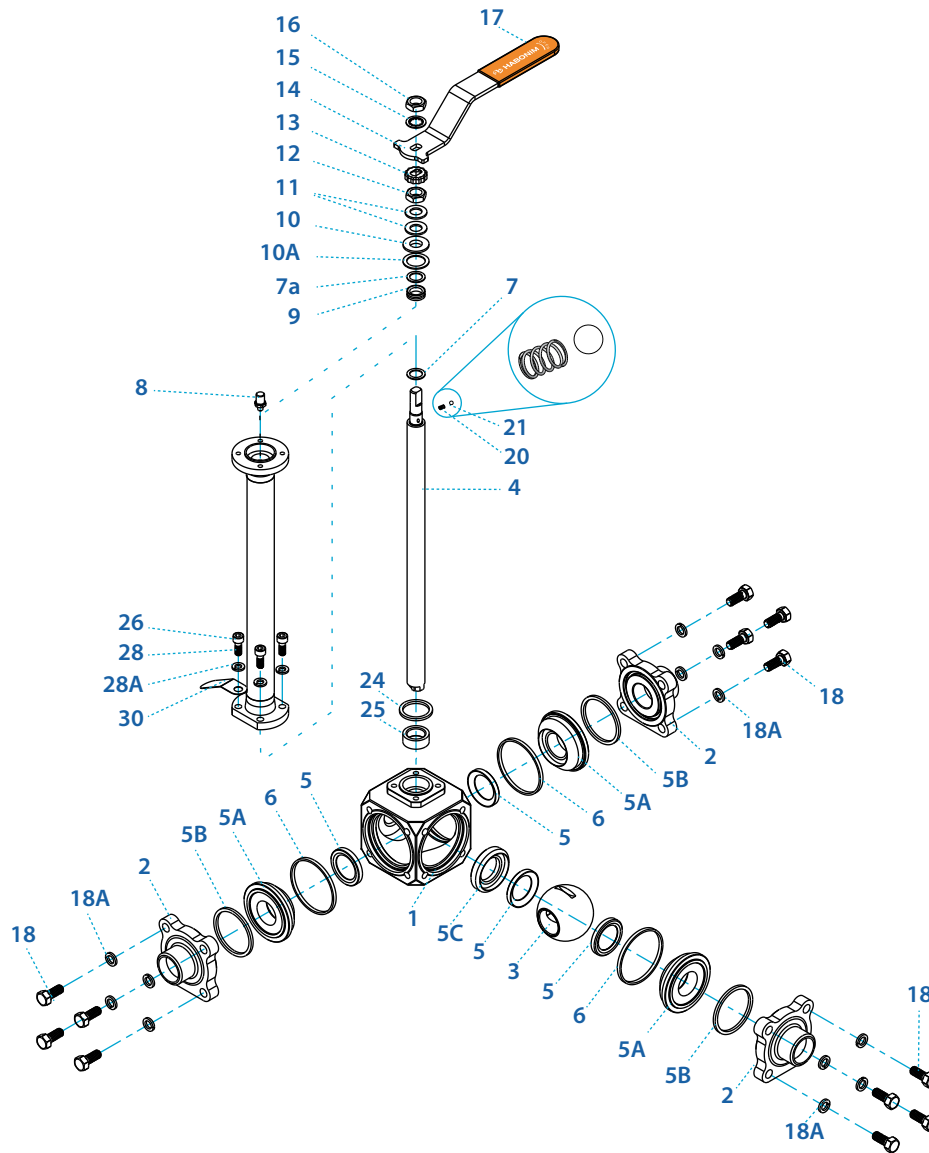


Preparation for actuation



Std. port	Full port	Unit	Ball port	A	B	Standard design					6.0" bonnet				E	S	M	N	P	F	TxL	Weight kg/lb		
						C	D	E	G	H	C	D	G	H								Std.	6.0 Bonnet	
DN20	DN15	mm	14.30	108.00	62.00	341.00	358.50	304.00	384.90	189.40	206.90	152.40	233.30	224.52	54.30	187.00	7.50	7/16"	7.20	(F04)	42.00	M5X7	3.65	3.33
3/4"	1/2"	inch	0.56	4.25	2.44	13.43	14.11	11.97	15.15	7.46	8.15	6.00	9.19	8.84	2.14	7.36	0.30	UNF	0.28		1.65	M5X7	8.04	7.34
DN25	DN20	mm	20.70	134.60	71.60	347.00	364.50	304.00	389.80	195.40	212.90	152.40	238.20	239.43	66.80	187.00	7.50	7/16"	7.20	(F04)	42.00	M5X7	5.25	4.90
1"	3/4"	inch	0.81	5.30	2.82	13.66	14.35	11.97	15.35	7.69	8.38	6.00	9.38	9.43	2.63	7.36	0.30	UNF	0.28		1.65	M5X7	11.57	10.80
DN32	DN25	mm	25.50	143.00	76.00	352.00	369.50	304.00	396.90	200.40	217.90	152.40	245.30	244.43	71.80	187.00	7.50	7/16"	8.50	(F04)	42.00	M5X7	7.42	6.85
1 1/4"	1"	inch	1.00	5.63	2.99	13.86	14.55	11.97	15.63	7.89	8.58	6.00	9.66	9.62	2.83	7.36	0.30	UNF	0.33		1.65	M5X7	16.35	15.10
DN40	DN32	mm	31.65	158.00	91.00	353.40	382.90	304.00	408.10	201.80	231.30	152.40	256.50	257.13	79.00	237.00	8.71	9/16"	8.50	(F05)	50.00	M6X8	9.12	8.55
1 1/2"	1 1/4"	inch	1.25	6.22	3.58	13.91	15.07	11.97	16.07	7.94	9.11	6.00	10.10	10.12	3.11	9.33	0.34	UNF	0.33		1.97	M6X8	20.10	18.84

Components & materials



Item	Description	Material specifications	Qty.
1	Body	A351 CF8M, A494 M35-1, Bronze RG5	1
2	Ends	A351 CF8M, A494 M35-1, Bronze RG5	3
3	Ball	A351 CF8M, B574 N06022, Bronze RG5	1
4	Stem	A479 316/316L, A564 Gr.630 H1150D 17-4PH, B574 N06022	1
5*	Seat	CF PTFE,TFM, PCTFE (KEL-F)	4
5A	Seat housing	A479 316/316L, B574 N06022, Bronze RG5	3
5B*	Seat seal	PTFE, Graphite	3
5C	Seat support	A479 316/316L, B574 N06022, Bronze RG5	1
6*	Body seal	PTFE, Graphite	3
7*	Stem thrust seal	TFM ⁽²⁾ , PCTFE (KEL-F)	1
7a*	Anti-abrasion ring	TFM ⁽²⁾ , PCTFE (KEL-F)	1
8	Stop pin	A582 303	1
9*	Stem seal	TFM, Graphite ⁽²⁾	1
10	Follower	B783 316L	1
10A**	Slide bearing	TF316	1

Item	Description	Material specifications	Qty.
11	Disc spring	A693 631 17-7PH	2
12	Stem nut	EN3506-2 A4-80, A194 Gr 8M	1
13	Locking clip	A167 304	1
14	Handle	A240 430	1
15	Serrated washer	A240 410	1
16	Handle nut	EN3506-2 A4-80, A194 Gr 8M	1
17	Sleeve	PVC	1
18	Body bolt	EN 3506-1 A2-70, A193 Gr B8	12
18A	Spring washer	DIN 127 A2	12
20	Anti static spring	A313 302	1
21	Anti static plunger	A479 304	1
23	Tag (not shown)	A167 304	1
24	Bonnet seal	PTFE, Graphite	1
25	Stem bearing	PTFE	1
26	Bonnet	A479 316L, A351 CF8M	1
28	Bolt	EN3506-1 A2-70, A193 B8	4
28A	Spring washer	DIN 127 A2	4
30	Dog tag	A167 304	1

⁽¹⁾ C61C series is Habonim's standard valve design without the HermetiX™ stem seal construction.

⁽²⁾ This material can only be used as part of the C61C design.

* Repair kit components

** Only with HermetiX™ fire safe stem seal