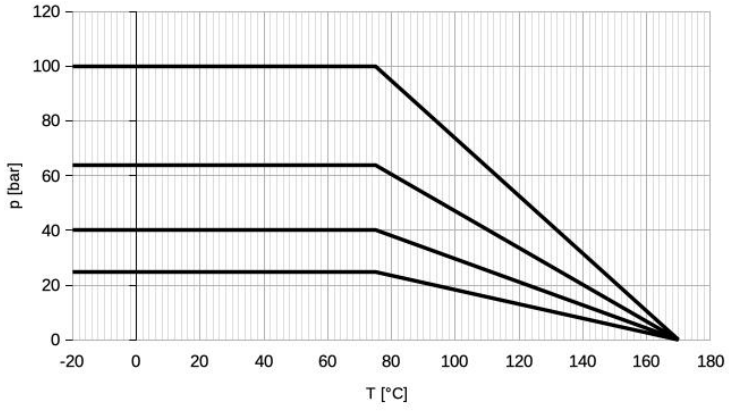
Partnership. With Guarantee.

Stainless steel ball valves
Series BA168

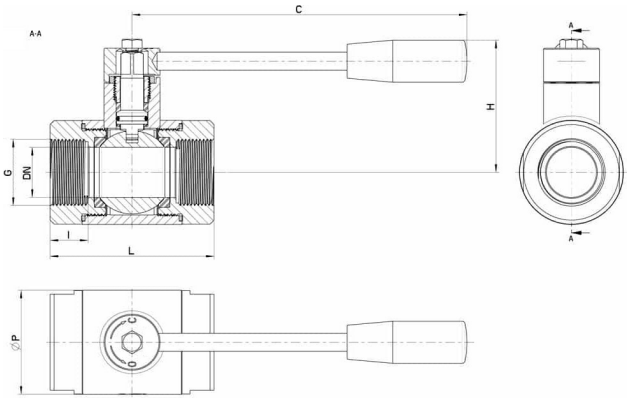


Design type	Full port ball valve with floating ball, full bore passage
Connection	G1/4"...G4" according to ISO228 1/4"-NPT...4"-NPT
Materials	Stainless steel 1.4404 polished body, Ball stainless steel AISI316L, Stainless steel hand lever 1.4307 plastic-coated, Ball seal MPTFE, Spindle seal PTFE, O-ring FKM
Application range	Fluids and gases of group 1 and 2 in accordance with PED 2014/68/EU that do not attack the materials used.
Medium temperature	-20...+170°C
Operating pressure	0 bar up to Nominal pressure according to table and pressure-temperature diagram
Mounting type	Installation in rigid piping system
Mounting position	any
Special versions	antistatic version ATEX II 2G/D T4, oil-, grease- and silicone-free for oxygen, Oil- and grease-free version for hydrogen, Special seals on request

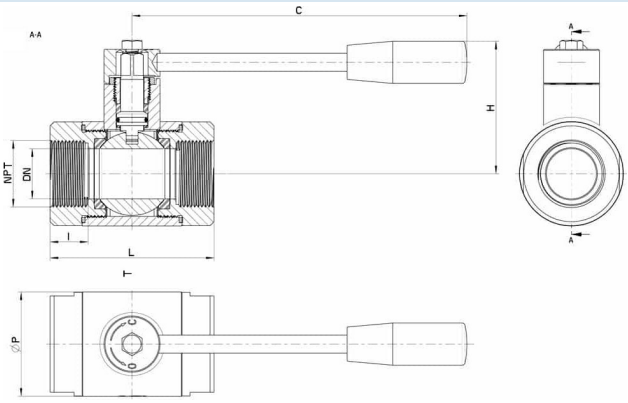
Pressure-temperature diagram



+43 512 52076
austria@stasto.eu
© STASTO Automation KG

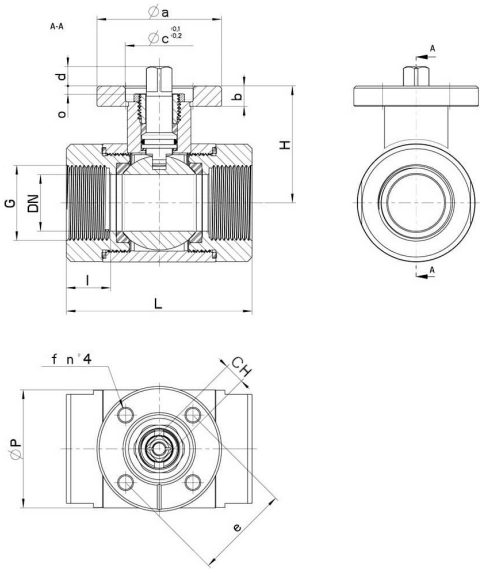


Connection G	Nominal size DN[mm]	PN [bar]	C	H	I	L	ØP	Kv value [m³/h]	Weight [approx. kg]	Type
1/4"	9	100	110	50	13	52	30	6,5	0,34	BA168-14-L
3/8"	10	100	110	50	13	52	30	11	0,32	BA168-38-L
1/2"	15	100	110	55	15	62	35	20	0,44	BA168-12-L
3/4"	20	100	110	60	17	72	42	60	0,62	BA168-34-L
1"	25	64	160	65	19	82	52	100	1,10	BA168-10-L
11/4"	32	64	160	70	19	92	60	130	1,35	BA168-114-L
11/2"	40	64	190	80	20	104	73	170	2,33	BA168-112-L
2"	50	40	190	90	20	116	88	280	3,42	BA168-20-L
21/2"	65	40	220	110	20	128	113	510	5,75	BA168-212-L
3"	80	40	285	130	24	150	135	770	8,98	BA168-30-L
4"	100	25	310	150	24	178	167	1200	15,50	BA168-40-L



Connection NPT	Nominal size DN[mm]	PN bar]	C	H	I	L	ØP	Kv value [m³/h]	Weight [approx. kg]	Type
1/4"	9	100	110	50	13	52	30	6,5	0,34	BA168-14N-L
3/8"	10	100	110	50	13	52	30	11	0,32	BA168-38N-L
1/2"	15	100	110	55	16	62	35	20	0,44	BA168-12N-L
3/4"	20	100	110	60	18	72	42	60	0,62	BA168-34N-L
1"	25	64	160	65	19	82	52	100	1,10	BA168-10N-L
11/4"	32	64	160	70	20	92	60	130	1,35	BA168-114N-L
11/2"	40	64	190	80	20	104	73	170	2,33	BA168-112N-L
2"	50	40	190	90	20	116	88	280	3,42	BA168-20N-L
21/2"	65	40	220	110	26	136	113	510	-	BA168-212N-L
3"	80	40	285	130	28	160	135	770	-	BA168-30N-L
4"	100	25	310	150	30	192	167	1200	-	BA168-40N-L

+43 512 52076
austria@stasto.eu
© STASTO Automation KG



Connection G	Nominal size DN[mm]	PN [bar]	Øa	b	Øcxo	d	e	f	H	l	L	ØP	CH	Kv value [m³/h]	Weight [approx. kg]	Type
1/4"	9	100	46	9	25x3	8	36	4x6	39	13	52	30	9	6,5	0,35	BA168-14-B
1/4"	9	100	54	9	30x3	10	42	4x6	39	13	52	30	11	6,5	0,39	BA168-14-B-01
3/8"	10	100	46	9	25x3	8	36	4x6	39	13	52	30	9	11	0,34	BA168-38-B
3/8"	10	100	54	9	30x3	10	42	4x6	39	13	52	30	11	11	0,38	BA168-38-B-01
1/2"	15	100	46	9	25x3	8	36	4x6	41,5	15	62	35	9	20	0,45	BA168-12-B
1/2"	15	100	54	9	30x3	10	42	4x6	41,5	15	62	35	11	20	0,50	BA168-12-B-01
3/4"	20	100	46	9	25x3	8	36	4x6	45	17	72	42	9	60	0,66	BA168-34-B
3/4"	20	100	54	9	30x3	10	42	4x6	45	17	72	42	11	60	0,68	BA168-34-B-01
1"	25	64	54	9	30x3	10	42	4x6	51,5	19	82	52	11	100	0,90	BA168-10-B-01
1"	25	64	65	9	35x3	13	50	4x7	51,5	19	82	52	14	100	0,95	BA168-10-B
11/4"	32	64	54	9	30x3	10	42	4x6	56,5	19	92	60	11	130	1,30	BA168-114-01
11/4"	32	64	65	9	35x3	13	50	4x7	56,5	19	92	60	14	130	1,34	BA168-114-B
11/2"	40	64	65	12	35x4	13	50	4x7	76	20	104	73	14	170	2,31	BA168-112-B
11/2"	40	64	60	12	55x4	15	70	4x9	76	20	104	73	17	170	2,48	BA168-112-B-01
2"	50	40	65	12	35x4	13	50	4x7	84	20	116	88	14	280	3,40	BA168-20-B
2"	50	40	90	12	55x4	15	70	4x9	84	20	116	88	17	280	3,56	BA168-20-B-01
21/2"	65	40	90	12	55x4	15	70	4x9	94,5	20	128	113	17	510	5,75	BA168-212-B
21/2"	65	40	125	12	70x4	18	102	4x11	94,5	20	128	113	22	510	6,25	BA168-212-B-01
3"	80	40	90	12	55x4	15	70	4x9	106	24	150	135	17	770	8,93	BA168-30-B
3"	80	40	125	12	70x4	18	102	4x11	106	24	150	135	22	770	9,43	BA168-30-B-01
4"	100	25	90	12	55x4	15	70	4x9	120	26	178	167	17	1200	14,80	BA168-40-B-01
4"	100	25	125	12	70x4	18	102	4x11	120	26	178	167	22	1200	15,70	BA168-40-B

Illustrations non-binding
Design, dimensional and material changes reserved

+43 512 52076
austria@stasto.eu
© STASTO Automation KG