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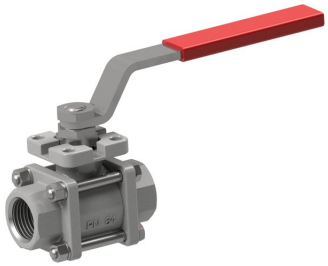
Three-piece stainless steel ball valves Series BA410



Design type	Full port ball valve with floating ball, full bore passage, compensation holes on the spindle and at the pressure inlet, antistatic version
Actuation	by 90° rotation of the hand lever
Connection	RP1/4"...RP4" according to ISO7/1 or rather 1/4"NPT...4"NPT according to ANSI B1.20.1
Materials	Body and ball stainless steel 1.4401, PTFE-carbon-graphite reinforced, Spindle seal PTFE/EPDM Hand lever: RP1/4"...2" Stainless steel 1.4016 plasticized, RP21/2"...4" Steel plasticized Tie rods and nuts: RP1/4"...2" Stainless steel AISI 304, RP21/2"...4" Galvanized steel
Application range	Glycol-Applications
Medium temperature	-40...+160°C
Operating pressure	Vacuum max. 10^{-3} Torr up to Nominal pressure according to table and pressure-temperature diagram
Flow direction	marked by arrow on the housing
Mounting type	Installation in rigid piping system
Mounting position	any
Approvals	TA-Luft, SIL3
Special versions	ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db

+43 512 52076
austria@stasto.eu
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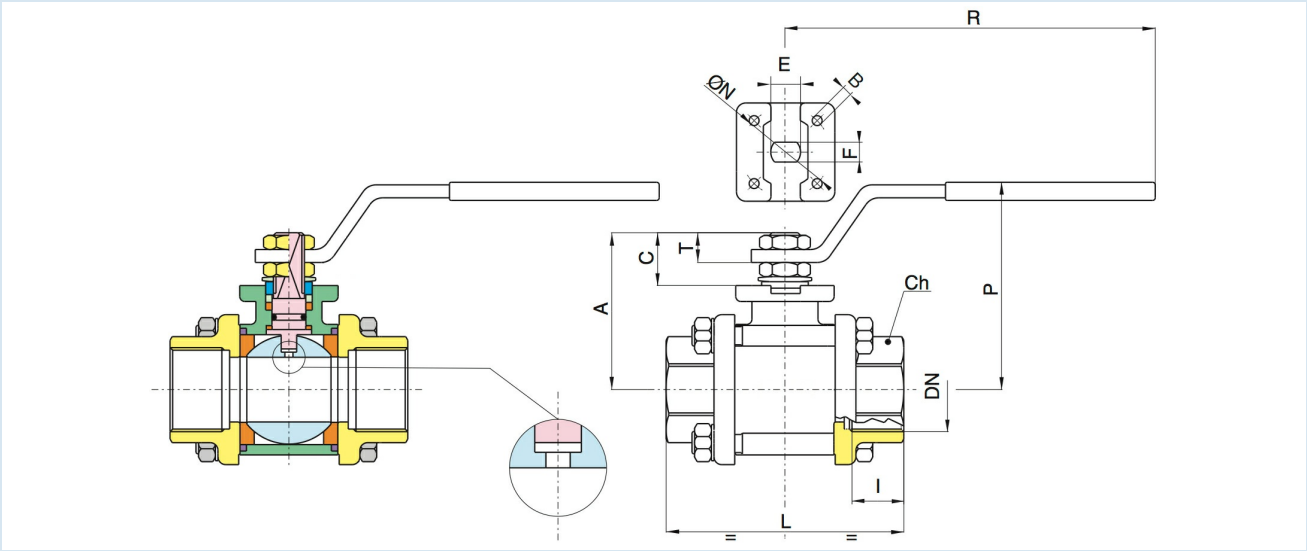
Dimensions



Connection	Nominal size DN[mm]	PN [bar]	A	CH	E	F	I	L	R	P	C	T	N	B	Kv value [m 3 /h]	Weight [approx. kg]	Type
1/4"	8	64	35	22	8	5	11	57	110	50	13,5	9	-	-	5,5	0,28	BA410-14-L
3/8"	10	64	35	22	8	5	11,4	57	110	50	13,5	9	-	-	8,5	0,26	BA410-38-L
1/2"	15	64	47	27	10	7	15	65	131	64	15	10	36	6	19,2	0,48	BA410-12-L
3/4"	20	40	52	32	10	7	16,3	76	131	68	16	10	42	5,5	35,0	0,70	BA410-34-L
1"	25	40	60	41	12	8	19,1	92	174	79	19,5	12,5	42	6	64,5	1,23	BA410-10-L
11/4"	32	25	64	50	12	8	21,4	106	174	83	19,5	12,5	42	5,5	103,8	1,69	BA410-114-L
11/2"	40	25	79	55	16	10	21,4	116	250	100	24	16,5	50	6,5	174,0	2,50	BA410-112-L
2"	50	25	86	70	16	10	25,7	136	250	107	24	16,5	50	6,5	301,3	3,88	BA410-20-L
21/2"	65	16	103	90	20	14	30,2	153	321	126	28	18	70	M8	545,7	8,06	BA410-212-L
3"	80	16	114	105	20	14	33,3	180	321	137	28	18	70	M8	872,5	12,88	BA410-30-L
4"	100	16	137	130	24	18	39,3	217	381	156	34,5	22	102	M10	1363,3	21,50	BA410-40-L

For ATEX versions, the type is suffixed with -A at the end.

Connection	Nominal size DN[mm]	PN [bar]	A	CH	E	F	I	L	R	P	C	T	N	B	Kv value [m 3 /h]	Weight [approx. kg]	Type
1/4"NPT	8	64	35	22	8	5	11	57	110	50	13,5	9	-	-	5,5	0,28	BA410-14N-L
3/8"NPT	10	64	35	22	8	5	11,4	57	110	50	13,5	9	-	-	8,5	0,26	BA410-38N-L
1/2"NPT	15	64	47	27	10	7	15	65	131	64	15	10	36	6	19,2	0,48	BA410-12N-L
3/4"NPT	20	40	52	32	10	7	16,3	76	131	68	16	10	42	5,5	35,0	0,70	BA410-34N-L
1"NPT	25	40	60	41	12	8	19,1	92	174	79	19,5	12,5	42	6	64,5	1,23	BA410-10N-L
11/4"NPT	32	25	64	50	12	8	21,4	106	174	83	19,5	12,5	42	5,5	103,8	1,69	BA410-114N-L
11/2"NPT	40	25	79	55	16	10	21,4	116	250	100	24	16,5	50	6,5	174,0	2,50	BA410-112N-L
2"NPT	50	25	86	70	16	10	25,7	136	250	107	24	16,5	50	6,5	301,3	3,88	BA410-20N-L
21/2"NPT	65	16	103	90	20	14	30,2	153	321	126	28	18	70	M8	545,7	8,06	BA410-212N-L
3"NPT	80	16	114	105	20	14	33,3	180	321	137	28	18	70	M8	872,5	12,88	BA410-30N-L
4"NPT	100	16	137	130	24	18	39,3	217	381	156	34,5	22	102	M10	1363,3	21,50	BA410-40N-L

For ATEX versions, the type is suffixed with -A at the end.

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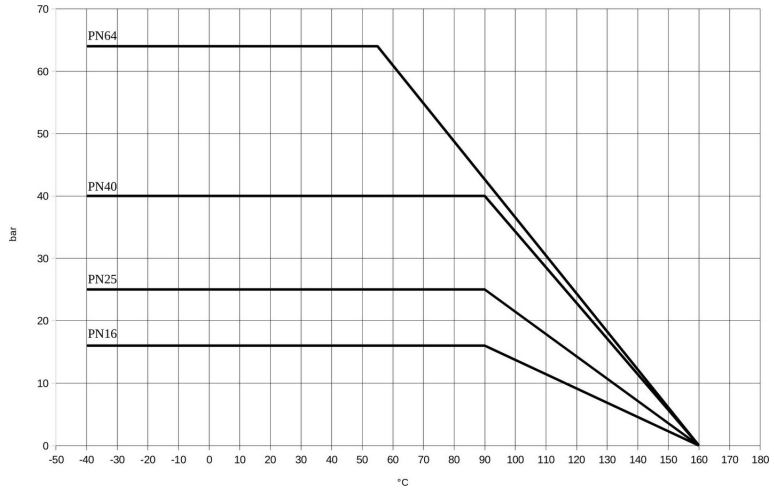
Pressure-temperature diagram



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