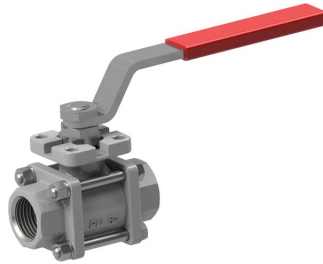
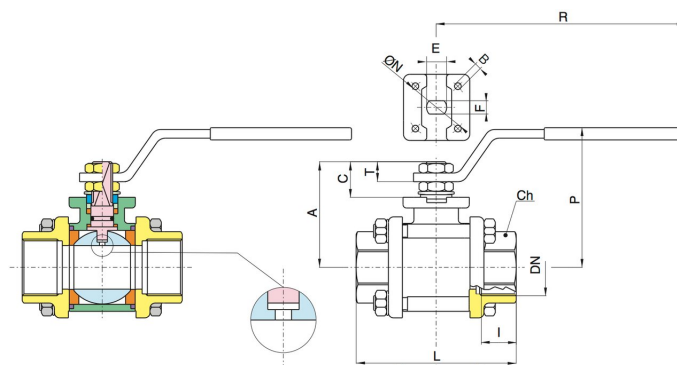


Three-piece stainless steel ball valves Series BA033-L-0



Design type	Full port ball valve with floating ball, full bore passage, Compensation borehole, antistatic version, in oil- and grease-free version for oxygen
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, Ball seal PTFE, Spindle seal PTFE/FKM Hand lever: RP1/4"...2" Stainless steel 1.4016 plasticized, RP21/2"...4" Steel plasticized Tie rods and nuts: RP1/4"...2" Stainless steel 1.4301, RP21/2"...4" Galvanized steel
Application range	Oxygen, other media on request
Medium temperature	-20...+160°C
Operating pressure	Vacuum max. 10 ⁻³ Torr up to Nominal pressure according to the pressure-temperature table
Mounting type	Installation in rigid piping system
Mounting position	any
Approvals	TA air, SIL3
Special versions	ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db





Connection	Nominal size DN[mm]	A	CH	E	F	I	L	R	P	C	T	N	B	Kv value [m ³ /h]	Weight [approx. kg]	Type
1/4"	8	35	22	8	5	11	57	110	50	13,5	9	-	-	5,5	0,28	BA033-14-L-0
3/8"	10	35	22	8	5	11,4	57	110	50	13,5	9	-	-	8,5	0,26	BA033-38-L-0
1/2"	15	47	27	10	7	15	65	131	64	15	10	36	6	19,2	0,48	BA033-12-L-0
3/4"	20	52	32	10	7	16,3	76	131	68	16	10	42	5,5	35,0	0,70	BA033-34-L-0
1"	25	60	41	12	8	19,1	92	174	79	19,5	12,5	42	6	64,5	1,23	BA033-10-L-0
1 1/4"	32	64	50	12	8	21,4	106	174	83	19,5	12,5	42	5,5	103,8	1,69	BA033-114-L-0
1 1/2"	40	79	55	16	10	21,4	116	250	100	24	16,5	50	6,5	174,0	2,50	BA033-112-L-0
2"	50	86	70	16	10	25,7	136	250	107	24	16,5	50	6,5	301,3	3,88	BA033-20-L-0
2 1/2"	65	103	90	20	14	30,2	153	321	126	28	18	70	M8	545,7	8,06	BA033-212-L-0
3"	80	114	105	20	14	33,3	180	321	137	28	18	70	M8	872,5	12,88	BA033-30-L-0
4"	100	137	130	24	18	39,3	217	381	156	34,5	22	102	M10	1363,3	21,50	BA033-40-L-0

For ATEX versions, the suffix 0 is replaced by A0.

Connection	Nominal size DN[mm]	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	35	22	8	5	11	57	110	50	13,5	9	-	-	5,5	0,28	BA033-14N-L-0
3/8"NPT	10	35	22	8	5	11,4	57	110	50	13,5	9	-	-	8,5	0,26	BA033-38N-L-0
1/2"NPT	15	47	27	10	7	15	65	131	64	15	10	36	6	19,2	0,48	BA033-12N-L-0
3/4"NPT	20	52	32	10	7	16,3	76	131	68	16	10	42	5,5	35,0	0,70	BA033-34N-L-0
1"NPT	25	60	41	12	8	19,1	92	174	79	19,5	12,5	42	6	64,5	1,23	BA033-10N-L-0
1 1/4"NPT	32	64	50	12	8	21,4	106	174	83	19,5	12,5	42	5,5	103,8	1,69	BA033-114N-L-0
1 1/2"NPT	40	79	55	16	10	21,4	116	250	100	24	16,5	50	6,5	174,0	2,50	BA033-112N-L-0
2"NPT	50	86	70	16	10	25,7	136	250	107	24	16,5	50	6,5	301,3	3,88	BA033-20N-L-0
2 1/2"NPT	65	103	90	20	14	30,2	153	321	126	28	18	70	M8	545,7	8,06	BA033-212N-L-0
3"NPT	80	114	105	20	14	33,3	180	321	137	28	18	70	M8	872,5	12,88	BA033-30N-L-0
4"NPT	100	137	130	24	18	39,3	217	381	156	34,5	22	102	M10	1363,3	21,50	BA033-40N-L-0

For ATEX versions, the suffix 0 is replaced by A0.



Pressure-temperature table in bar

RP	-20...+30°C	100°C	160°C
1/4"	60	40	25
3/8"	60	40	25
1/2"	60	40	25
3/4"	40	23?	19,5?
1"	40	23?	19,5?
1 1/4"	25	23	20
1 1/2"	25	23	20
2"	25	23	20
2 1/2"	16	14,8?	13?
3"	16	14,8?	13?
4"	16	14,8?	13?
Intermediate values of the maximum operating pressures may be calculated by linear interpolation between the nearest lower and higher temperature values.			

Illustrations non-binding

Design, dimensional and material changes reserved

Armatures / Ball valves - manually operated / Other materials - A02 / Ball valve made of stainless steel Series BA033-L-0

Version 2

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