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Three-piece steel ball valves
Series 713000

Design type	Shut-off valve with floating ball, full bore passage, Compensation borehole
Actuation	by 90° rotation of the hand lever
Connection	RP1/4"...RP4" according to ISO7/1
Materials	Housing Steel, Ball stainless steel 1.4301, Ball seal PTFE, Spindle seal PTFE/FKM, Hand lever steel plastic-coated
Application range	Fluids and gases of group 1 and 2 according to PED 2014/68/EU that do not attack the materials used. For steam applications we recommend using special steam valves.
Medium temperature	-20...+160°C
Operating pressure	Vacuum max. 10^{-3} Torr up to Rated pressure according to table and pressure-temperature diagram
Mounting type	Installation in rigid piping system
Mounting position	any
Approvals	TA air, SIL 3
Special versions	ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db, Thread NPT, low dead-volume seals, oil-, grease- and silicone-free for oxygen

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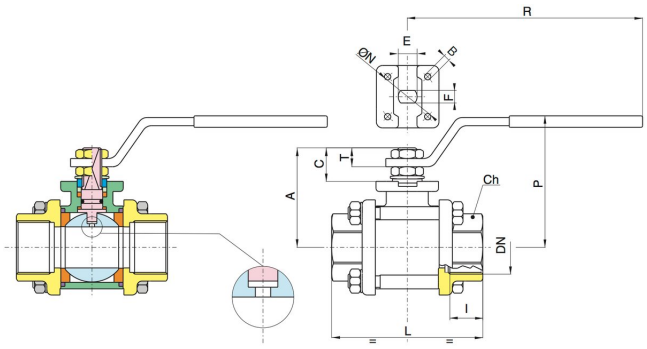
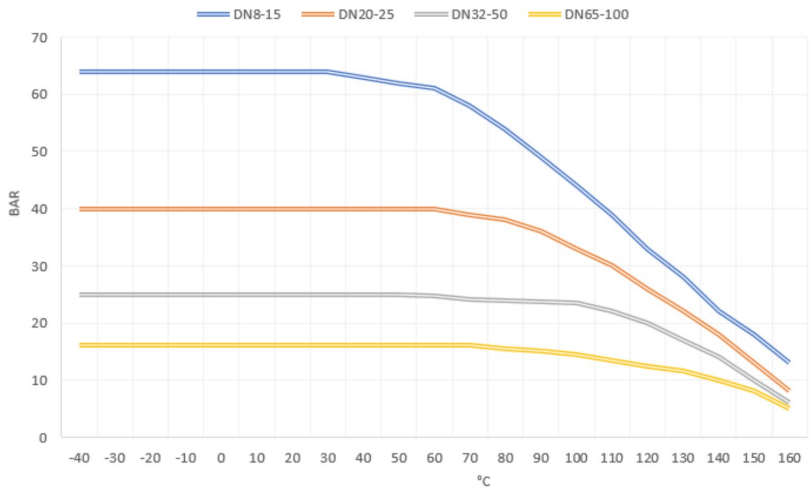


Connection	Nominal size DN[mm]	PN [bar]	A	B	C	CH	E	F	I	L	N	P	R	T	Kv value [m³/h]	Weight [approx. kg]	Type
1/4"	8	64	35	-	13,5	22	8	5	11	57	-	50	110	9	5,5	0,28	713000-1/4"
3/8"	10	64	35	-	13,5	22	8	5	11,4	57	-	50	110	9	8,5	0,25	713000-3/8"
1/2"	15	64	47	6	15	27	10	7	15	65	36	64	131	10	19,2	0,48	713000-1/2"
3/4"	20	40	52	5,5	16	32	10	7	16,3	76	42	68	131	10	35	0,67	713000-3/4"
1"	25	40	60	6	19,5	41	12	8	19,1	92	42	79	174	12,5	64,5	1,22	713000-1"
11/4"	32	25	64	5,5	19,5	50	12	8	21,4	106	42	83	174	12,5	103,8	1,67	713000-11/4"
11/2"	40	25	79	6,5	24	55	16	10	21,4	116	50	100	250	16,5	174	2,51	713000-11/2"
2"	50	25	86	6,5	24	70	16	10	25,7	136	50	107	250	16,5	301,3	3,95	713000-2"
21/2"	65	16	103	M8	28	90	20	14	30,2	153	70	126	321	18	545,7	7,99	713000-21/2"
3"	80	16	114	M8	28	105	20	14	33,3	180	70	137	321	18	872,5	12,94	713000-3"
4"	100	16	137	M10	34,5	130	24	18	39,3	217	102	156	381	22	1363,3	21,50	713000-4"

Pressure-temperature diagram



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