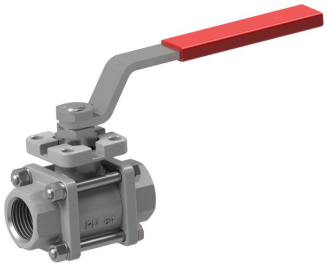
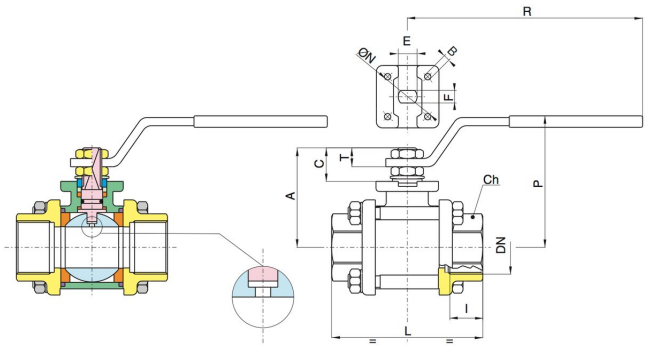
Partnership. With Guarantee.

Three-piece ball valves made of stainless steel Series 710000



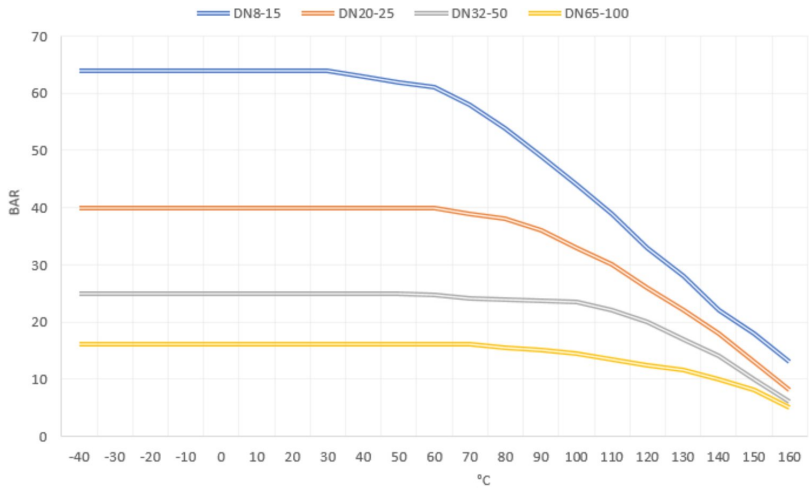
Design type	Shut-off valve with floating ball, full bore passage, Compensation hole
Actuation	by 90° rotation of the hand lever
Connection	RP1/4"...RP4" according to ISO7/1
Materials	Body and ball stainless steel 1.4401, Ball seal PTFE, Spindle seal PTFE/FKM Hand lever: RP1/4"...2" Stainless steel 1.4016 plasticized, RP21/2"...4" Steel plasticized Tie rods and nuts: RP1/4"...2" Stainless steel AISI 304, RP21/2"...4" Steel galvanized
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-Luft, SIL 3
Special versions	ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db, Fire-safe, Thread NPT, low dead-volume seals, Version for steam, oil-, grease- and silicone-free for oxygen

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Connection	Nominal size DN[mm]	PN [bar]	A	CH	E	F	I	L	R	P	C	T	N	B	Kv value [m³/h]	Weight [approx. kg]	Type
1/4"	8	64	35	22	8	5	11	57	110	50	13,5	9	-	-	5,5	0,28	710000-1/4"
3/8"	10	64	35	22	8	5	11,4	57	110	50	13,5	9	-	-	8,5	0,26	710000-3/8"
1/2"	15	64	47	27	10	7	15	65	131	64	15	10	36	6	19,2	0,48	710000-1/2"
3/4"	20	40	52	32	10	7	16,3	76	131	68	16	10	42	5,5	35,0	0,70	710000-3/4"
1"	25	40	60	41	12	8	19,1	92	174	79	19,5	12,5	42	6	64,5	1,23	710000-1"
11/4"	32	25	64	50	12	8	21,4	106	174	83	19,5	12,5	42	5,5	103,8	1,69	710000-11/4"
11/2"	40	25	79	55	16	10	21,4	116	250	100	24	16,5	50	6,5	174,0	2,50	710000-11/2"
2"	50	25	86	70	16	10	25,7	136	250	107	24	16,5	50	6,5	301,3	3,88	710000-2"
21/2"	65	16	103	90	20	14	30,2	153	321	126	28	18	70	M8	545,7	8,06	710000-21/2"
3"	80	16	114	105	20	14	33,3	180	321	137	28	18	70	M8	872,5	12,88	710000-3"
4"	100	16	137	130	24	18	39,3	217	381	156	34,5	22	102	M10	1363,3	21,50	710000-4"

Pressure-temperature diagram



Illustrations non-binding
Design, dimensional and material changes reserved

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