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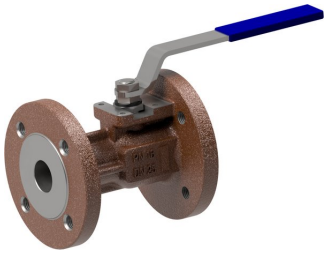
Flanged ball valves made of grey cast iron
Series 730003



Design type	Shut-off valve with floating ball, full bore passage, Compensation hole
Actuation	by 90° rotation of the hand lever
Connection	Flanges DN25...DN200 according to EN1092-2, PN16
Overall length	DN25...DN150 according to EN558-1R14, DN200 according to EN558-1R27
Materials	Housing Grey cast iron EN-GJL-250, Ball stainless steel 1.4301, Ball seal PTFE, Spindle seal PTFE, O-rings NBR, 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	-10...+120°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
Special versions	antistatic version ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db, O-ring in FKM, Oil- and grease-free version for oxygen, Spindle extension

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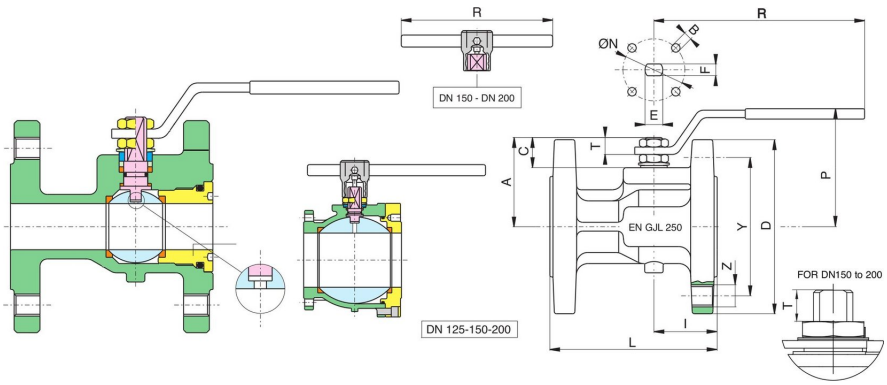
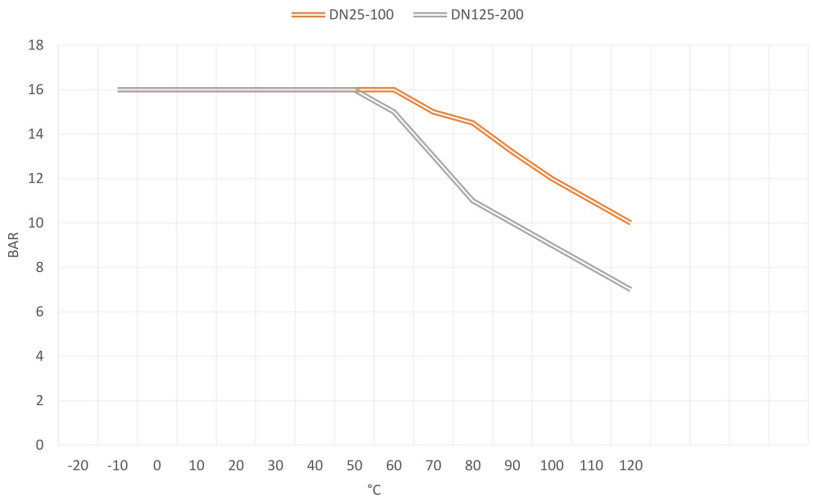


Nominal size DN[mm]	PN [bar]	A	B	C	D	E	F	I	L	N	P	R	T	Y	Z	Kv value [m³/h]	Weight [approx. kg]	Type
25	16	59	(M5*)	19,5	115	12	8	44,5	125	(42*)	79	174	11,5	85	4 x M12	64,5	3,10	730003-25
32	16	64	(M5*)	18	140	12	8	51,5	130	(42*)	85	174	10	100	4 x M16	103,8	4,80	730003-32
40	16	78	(M6*)	24	150	16	10	49	140	(50*)	103	250	13	110	4 x M16	174,0	6,10	730003-40
50	16	85	(M6*)	24	165	16	10	52	150	(50*)	110	250	13	125	4 x M16	301,3	8,90	730003-50
65	16	103	(M8*)	28	185	20	14	65	170	(70*)	126	321	18	145	4 x M16	545,7	12,10	730003-65
80	16	114	M8	28	200	20	14	66	180	70	137	321	18	160	8 x M16	872,5	14,90	730003-80
100	16	137	M10	32,5	220	24	18	89	190	102	158	381	20,5	180	8 x M16	1363,3	23,36	730003-100
125	16	159	M10	32	250	24	18	100	200	102	180	381	20,5	210	8 x M16	2360,3	39,30	730003-125
150	16	201,5	M12	51,5	285	42	30	105	210	125	265	700	30	240	8 x M20	3671,1	57,30	730003-150
200	16	244	M12	52	340	42	30	200	400	125	308	700	30	295	12 x Ø22	6816,6	103,00	730003-200

*Special version on request
For ATEX versions, the type is suffixed with -A at the end.

Pressure-temperature diagram



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