

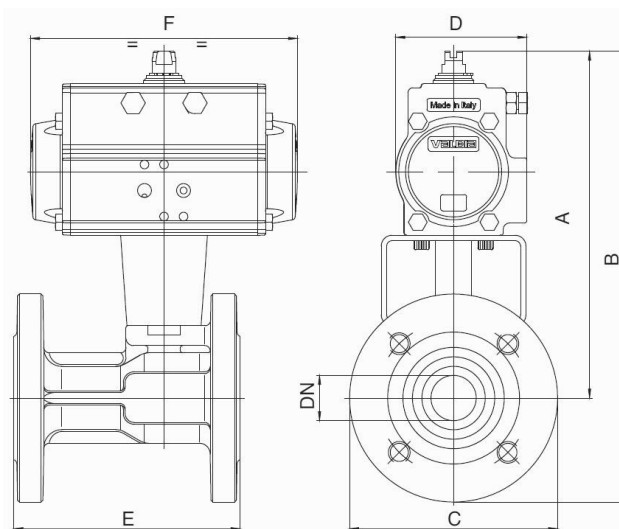
Cast iron flanged ball valves with pneumatic rotary actuator Series BA040



Design type	Actuator: Piston actuator with 2 opposing pistons, elastic sealing, actuator in all details in accordance with ISO 5211 or according to NAMUR recommendations, End positions adjustable on both sides $\pm 5^\circ$
Function	available in double-acting or single-acting Version
Connection	Flanges DN25...DN200 according to EN1092-1, PN16
Overall length	DN25...DN150 according to EN558-1R14, DN200 according to EN558-1R27
Materials Standard version	Actuator: Hard anodized aluminium, Pinion, nickel-plated steel, Piston guide POM, Seals NBR Ball valve: Housing grey cast iron EN-GJL-250, Ball stainless steel 1.4301, Seals PTFE/NBR
Application range	gaseous and liquid media that do not attack the materials used
Medium temperature	$-10...+120^\circ\text{C}$
Ambient temperature	$-20...+85^\circ\text{C}$
Operating pressure	Vacuum max. 10^{-3} Torr up to Operating pressure according to table and pressure-temperature diagram
Control medium	filtered and lubricated or non-lubricated compressed air
Control pressure	5,5...8bar, Adaptation to lower pilot pressures available on request
Mounting type	Installation in rigid piping system
Mounting position	any
Special version	Ball valve: ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIIC T85°C...T450°C Db, Actuator: ATEX EX II 2G Ex h IIC T6...T3 Gb / II 2D Ex h IIIC T85°C...T200°C Db Pinion in stainless steel, Ambient temperatures $-40...+85^\circ\text{C}$, or rather $-20...+150^\circ\text{C}$
Accessories	assembled manual, pneumatic or electric control valve electrical end position feedback, Positioner in I/P or P/P Version Adjustment of the switching speed
Ordering note	When ordering, please also specify control pressure, operating medium, operating pressure and operating temperature.
Application note	The pressure and temperature specifications are maximum values for normal conditions, for lubricating or non-degreasing media. In particular, degreasing media reduce the specified values and increase the required torque. For these special cases, we recommend prior consultation. When selecting the valve, the lowest control pressure occurring in the system must be taken as the basis.



Dimensions



Ball valves with double-acting rotary actuator

Nominal size DN[mm]	max. Operating pressure [bar] up to 85°C	A	B	C	D	E	F	Actuator type	Kv value [m³/h]	Weight [approx. kg]	Type
25	16	191	249	115	71	125	141	PAD052	65	4,6	BA040-025-D0
32	16	198	268	140	71	130	141	PAD052	104	6,1	BA040-032-D0
40	16	227	302	150	81	140	164	PAD063	174	8,6	BA040-040-D0
50	16	252	335	165	95	150	210	PAD075	301	11,3	BA040-050-D0
65	16	280	373	185	106	170	241	PAD085	546	16,0	BA040-065-D0
80	16	291	391	200	106	180	241	PAD085	873	18,1	BA040-080-D0
100	16	343	453	220	123	190	275	PAD100	1363	27,0	BA040-100-D0
125	16	400	525	250	137	200	333	PAD115	2360	44,1	BA040-125-D0
150	16	435	578	285	148	210	372	PAD125	3671	57,2	BA040-150-D0
200	16	523	693	340	186	400	500	PAD160	6817	125,7	BA040-200-D0

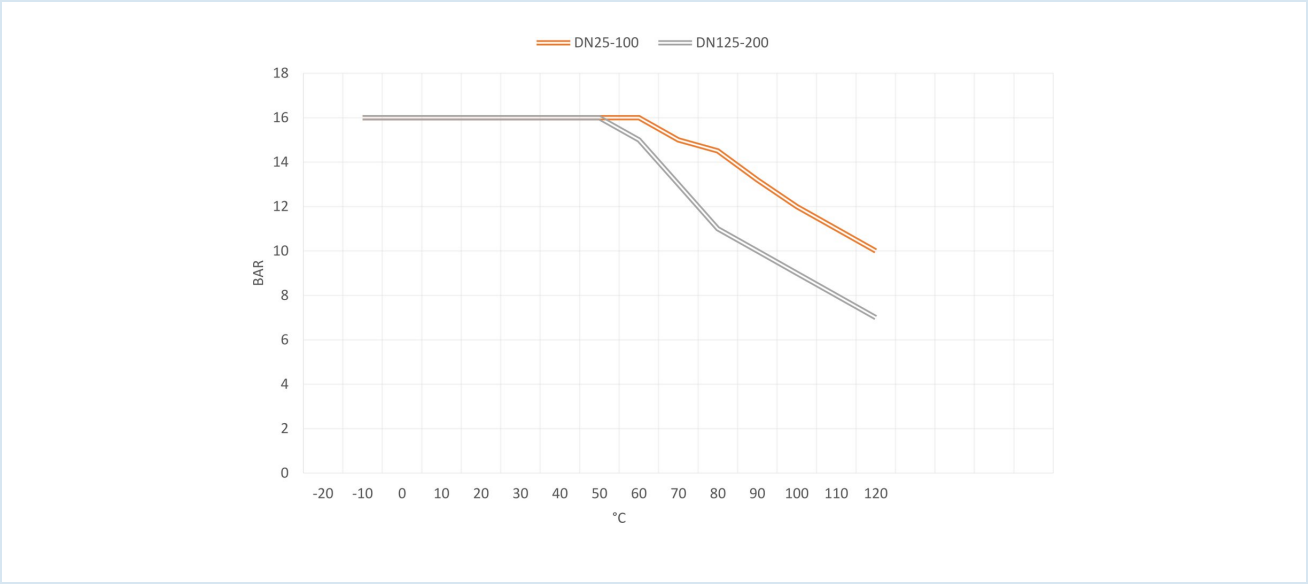
Ball valves with single-acting rotary actuator

Nominal size DN[mm]	max. Operating pressure [bar] up to 85°C	A	B	C	D	E	F	Actuator type	Kv value [m³/h]	Weight [approx. kg]	Type
25	16	203	261	115	81	125	164	PAS0635	65	5,4	BA040-025-S0
32	16	209	279	140	106	130	241	PAS0855	104	9,8	BA040-032-S0
40	16	259	334	150	106	140	241	PAS0855	174	11,8	BA040-040-S0
50	16	279	362	165	123	150	275	PAS1005	301	15,5	BA040-050-S0
65	16	348	441	185	106	170	333	PAS1155	546	24,3	BA040-065-S0
80	16	371	471	200	148	180	372	PAS1255	873	29,0	BA040-080-S0
100	16	389	499	220	148	190	372	PAS1255	1363	35,6	BA040-100-S0
125	16	458	583	250	186	200	500	PAS1605	2360	65,0	BA040-125-S0
150	16	538	681	285	217	210	579	PAS2005	3671	102,1	BA040-150-S0
200	16	580	750	340	217	400	579	PAS2005	6817	161,6	BA040-200-S0

Single-acting actuators are supplied spring-closing (NC) unless otherwise ordered.



Pressure-temperature diagram



Illustrations non-binding
Design, dimensional and material changes reserved

Armatures / Ball valves - automatically operated / Flanged ball valves - pneumatically operated / Flanged ball valve with pneumatic actuator Series BA040-D