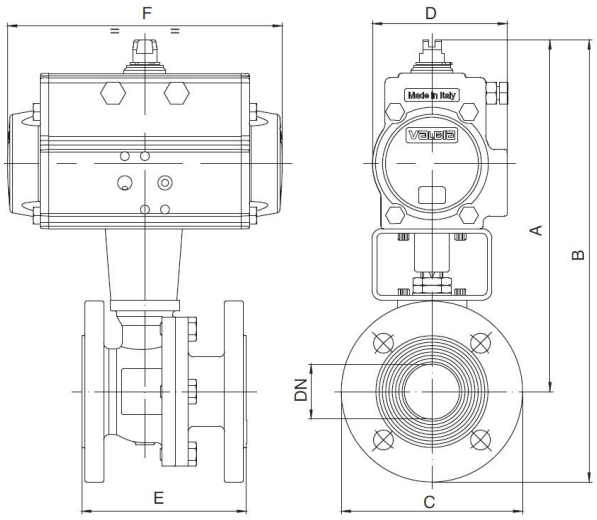
flange ball valve made of steel with pneumatic actuator series BA044

design	actuator: piston actuator with 2 counteracting pistons, elastic sealing, actuator complying with ISO 5211 or rather to NAMUR-references, end position +/-5° adjustable on both sides
connection	flange DN15...DN200 according to EN1092
length	according to EN558-1R27
materials standard construction	actuator: hard-anodised aluminum, pinion nickel-plated steel, piston guide POM, seals NBR ball valve: body made of zinc plated steel, ball stainless steel AISI 304, ball seal made of PTFE, stem seal PTFE/Graphoil/FKM, compensation hole
function	delivery in double acting or single acting design
type of fixing	installed into rigid pipework
mounting position	any
control medium	filtered and lubricated or non lubricated compressed air
application	group 1 and 2 liquids and gases acc. to PED 2014/68/EU and which do not affect the used materials
medium temperature	-10...+160°C (steam max. 180°C)
ambient temperature	-10...+85°C
control pressure	5,5...8bar, adaptation for lower control pressures on request
operating pressure	vacuum max. 10^{-3} Torr to nominal pressure according to table and pressure-temperature diagram (steam max. 10bar)
approvals	fire-safe, TA-Luft certification
special version	pinion made of stainless steel, ambient temperatures -10...+150°C, ATEX
accessories	mounted manual, pneumatic or electric control valve electric end position signal, I/P or P/P positioner control of moving speed
order information	in case of order please specify control pressure, operating medium and operating pressure
direction for use	pressure and temperature values are maximum values for lubricating or not degreasing mediums. in particular degreasing media reduce the indicated values and increase the necessary torque. In border lines we recommend a previous consultation. when selecting the armature, the lowest control pressure in the equipment is taken as the basis

dimensions



ball valves with double acting pneumatic actuator

nominal diameter DN [mm]	max. operating pressure [bar] to 85°C	A	B	C	D	E	F	type of actuator	kv value [m^3/h]	weight [app. kg]	type
15	40	148	195	95	45	115	110	PAD032	16,3	3,1	BA044-15-D0
15	40	184,5	231,5	95	71	115	141	PAD052	16,3	3,9	BA044-15-D0-B*
20	40	189	242	105	71	120	141	PAD052	29,5	4,7	BA044-20-D0
25	40	207	265	115	71	125	141	PAD052	43	5,8	BA044-25-D0
32	40	210	280	140	71	130	141	PAD052	89	7,4	BA044-32-D0
40	40	250	325	150	81	140	164	PAD063	230	10,2	BA044-40-D0
50	40	275	357	165	95	150	210	PAD075	265	14,9	BA044-50-D0
65	16	299	392	185	106	170	241	PAD085	540	20,9	BA044-65-D0
80	16	333	433	200	106	180	241	PAD085	873	26,3	BA044-80-D0
100	16	360	470	220	123	190	275	PAD100	1390	34,3	BA044-100-D0
125	16	417	542	250	137	325	333	PAD115	1707	55,7	BA044-125-D0
150	16	462	605	285	148	350	372	PAD125	2024	96,2	BA044-150-D0
200	16	551	721	340	186	400	500	PAD160	2720	130,5	BA044-200-D0

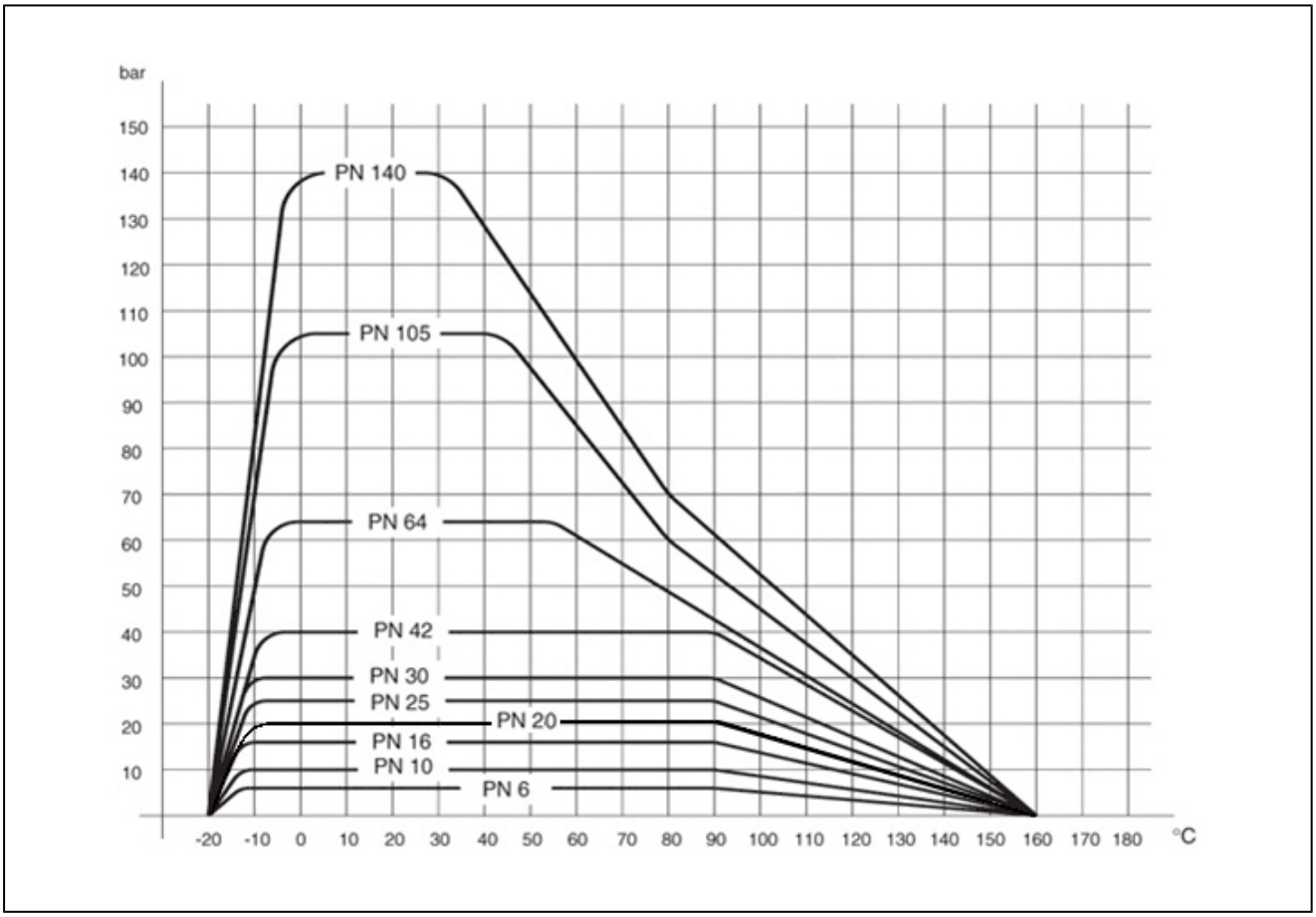
*with add-on B the ball valves will be fitted with actuator PAD052. when using limit switch boxes and NAMUR-control valves use B-types.

ball valves with single acting pneumatic actuator

nominal diameter DN [mm]	max. operating pressure [bar] to 85°C	A	B	C	D	E	F	type of actuator	kv value [m^3/h]	weight [app. kg]	type
15	40	184	232	95	71	115	141	PAS0525	16,3	4,1	BA044-15-S0
20	40	200	253	105	81	120	164	PAS0635	29,5	5,6	BA044-20-S0
25	40	219	277	115	81	125	164	PAS0635	43	6,7	BA044-25-S0
32	40	222	292	140	81	130	164	PAS0635	89	8,3	BA044-32-S0
40	40	282	357	150	106	140	241	PAS0855	230	13,3	BA044-40-S0
50	40	302	385	165	123	150	275	PAS1005	265	19,2	BA044-50-S0
65	16	346	439	185	137	170	333	PAS1155	540	28,4	BA044-65-S0
80	16	393	493	200	148	180	372	PAS1255	873	36,5	BA044-80-S0
100	16	407	517	220	148	190	372	PAS1255	1390	42,9	BA044-100-S0
125	16	476	601	250	186	325	500	PAS1605	1707	80,1	BA044-125-S0
150	16	565	708	285	217	350	579	PAS2005	2024	135,3	BA044-150-S0
200	16	609	779	340	217	400	579	PAS2005	2720	161,8	BA044-200-S0

single acting actuators are delivered normally closed (NC), if not specified in your order.

pressure-temperature-diagram



illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice