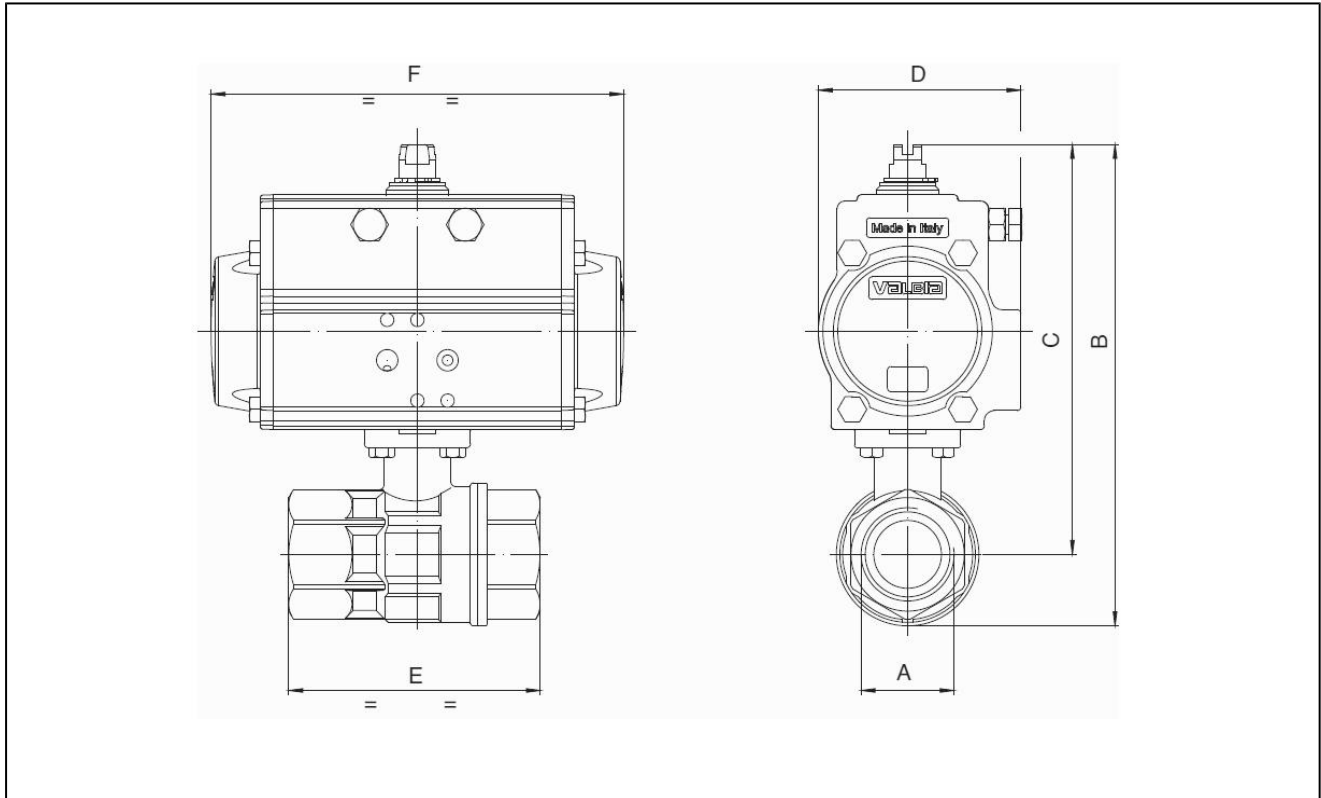


## ball valves made of stainless steel with pneumatic actuator series BA081



design	actuator: piston actuator with 2 counteracting pistons, elastic sealing, actuator complying with ISO 5211 or rather to NAMUR-references, end position $\pm 5^\circ$ adjustable on both sides
connection	RP1/2"...RP2" according to ISO7/1
materials	actuator: hard-anodised aluminum, pinion nickel-plated steel, piston guide POM, seals NBR
standard construction	ball valve: body and ball stainless steel AISI 316, seals PTFE/FKM
function	available 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	gaseous and liquid fluids which do not affect the used materials
medium temperature	-20...+160°C
ambient temperature	-20...+85°C
control pressure	5,5...8bar, adaptation for lower control pressures on request
operating pressure	0bar to operating pressure according to the table and pressure-temperature diagram, not suitable for vacuum
special version	pinion made of stainless steel, ambient temperatures of -40...+85°C respectively -20...150°C, ATEX EX II 2G Ex h IIC T6...T1 Gb / II 2D Ex h IIC T85°C...T450°C Db - ATEX II 2 G/D c T6
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

connection A	nominal diameter DN [mm]	max. operating pressure [bar] to 85°C	B	C	D	E	F	type of actuator	kv value [m <sup>3</sup> /h]	weight [app. kg]	type
RP1/2"	15	40	115	98	45	67	110	PAD032	19,2	0,9	BA081-12-D0
RP1/2"	15	64	151,5	134,5	71	67	141	PAD052	19,2	1,5	BA081-12-D0-B*
RP3/4"	20	40	121	100	45	78	110	PAD032	35	1,0	BA081-34-D0
RP3/4"	20	64	157,5	136,5	71	78	141	PAD052	35	1,6	BA081-34-D0-B*
RP1"	25	40	136	110	45	90	110	PAD032	64,5	1,3	BA081-10-D0
RP1"	25	64	172,5	146,5	71	90	141	PAD052	64,5	1,9	BA081-10-D0-B*
RP11/4"	32	40	146	113	45	100	110	PAD032	103,8	1,6	BA081-114-D0
RP11/4"	32	64	182,5	149,5	71	100	141	PAD052	103,8	2,2	BA081-114-D0-B*
RP11/2"	40	40	203	165	71	112	141	PAD052	174	2,9	BA081-112-D0
RP2"	50	40	223	174	71	135	141	PAD052	301,3	4,1	BA081-20-D0
RP21/2"	65	25	289	227	95	160	210	PAD075	545,7	8,9	BA081-212-D0
RP3"	80	25	306	234	95	180	210	PAD075	872,5	12,3	BA081-30-D0

for ATEX versions, add -A at the end of the type.

\*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. for ATEX versions, the add-on B is replaced by AB.

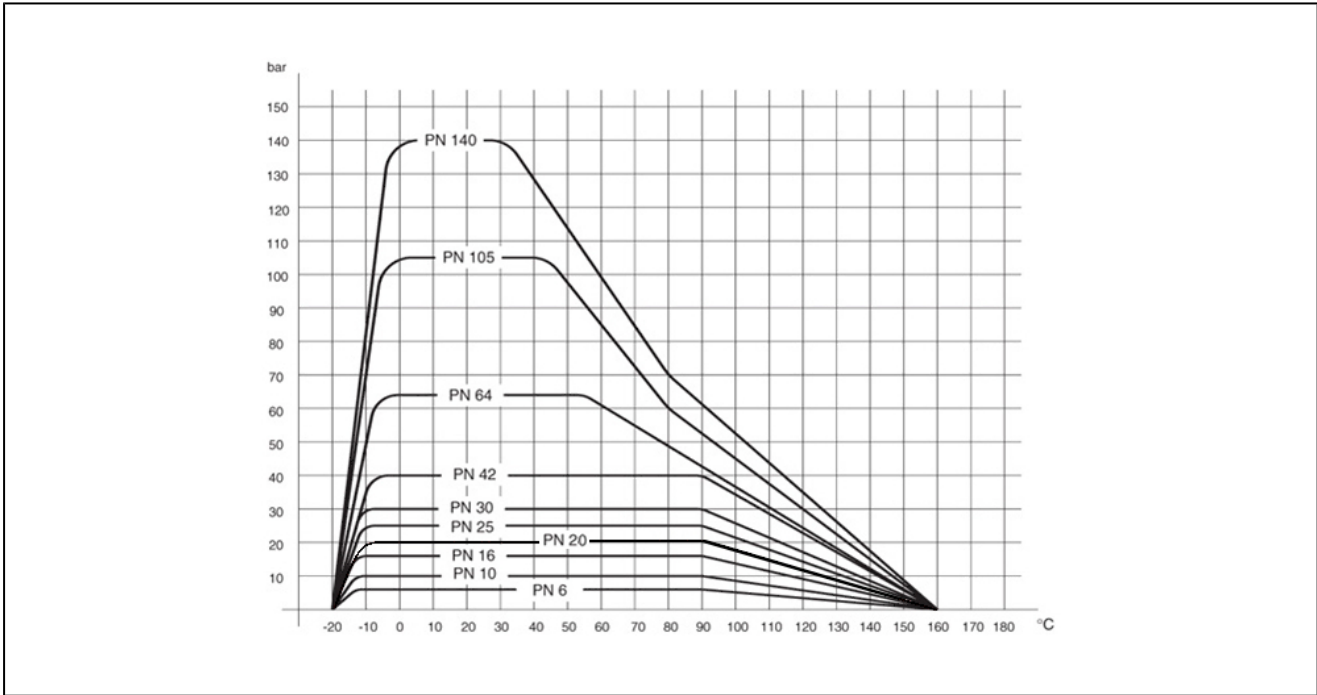
### ball valves with single acting pneumatic actuator

connection A	nominal diameter DN[mm]	max. operating pressure [bar] to 85°C	B	C	D	E	F	type of actuator	kv value [m <sup>3</sup> /h]	weight [app. kg]	type
RP1/2"	15	40	152	134	71	67	141	PAS0525	16,3	1,7	BA081-12-S0
RP3/4"	20	40	157	136	71	78	141	PAS0525	29,5	1,8	BA081-34-S0
RP1"	25	40	172	146	71	90	141	PAS0525	43	2,1	BA081-10-S0
RP11/4"	32	40	182	150	71	100	141	PAS0525	89	2,4	BA081-114-S0
RP11/2"	40	40	215	177	81	112	164	PAS0635	230	3,8	BA081-112-S0
RP2"	50	40	235	186	81	135	164	PAS0635	301,3	5,0	BA081-20-S0
RP21/2"	65	25	316	254	123	160	275	PAS1005	545,7	13,2	BA081-212-S0
RP3"	80	25	333	260	123	180	275	PAS1005	872,5	16,5	BA081-30-S0

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

for ATEX versions, add -A at the end of the type.

# pressure-temperature-diagram



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