



PN 10/16/25
DN 50...400

Product Features

- Control valve globe type
- Hydraulically operated main valve with control circuit
- Pilot valve in control circuit
- High capacity filter with inspection glass and ball valve for manual drain of the filter
- Separate controller for adjustment of opening and closing speed
- Visual position indicator
- Manometers as start-up tool

Materials

Main valve:

- Body parts made of ductile cast iron EN - JS 1030 (GGG-40)
- Seat and control insert made of stainless steel
- Seal and membrane made of EPDM

Control circuit:

- All functional parts made of stainless steel
- Rubber parts made of EPDM
- High capacity filter made of stainless steel, inspection glass made of pressure-resistant polypropylene

Corrosion Protection

- Inside and outside epoxy coated

Field of Application

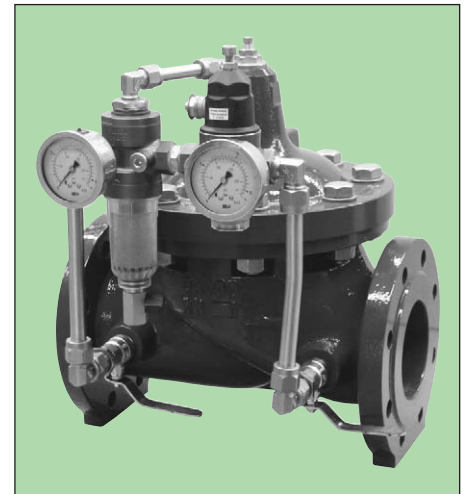
- Max. operation temperatures for neutral liquids: 50°C

Alternatives

- PICO Open/Close valve Type 01
- PICO Pressure reducing valve Type 02
- PICO Pressure sustaining/relief valve Type 03
- PICO Float valve Type 04
- PICO Altitude level control valve Type 05
- PICO Flow control Type 06

On request

- Multiple orifice cylinder for controlling high differential pressures
- Automatic flushing of filter (battery operated)
- Electrical position feed-back
- Electrical position controller



When ordering, please specify the following information:

- maximum flow rate
- minimum flow rate
- static upstream pressure
- dynamic upstream pressure
- dynamic downstream pressure

The preferred position for the installation of the diaphragm valve is between two isolation valves and a strainer on the upstream side. We recommend the installation of a safety valve in your system.

For information about installation, commissioning, operating and maintenance we kindly refer to KAT 2031-B.

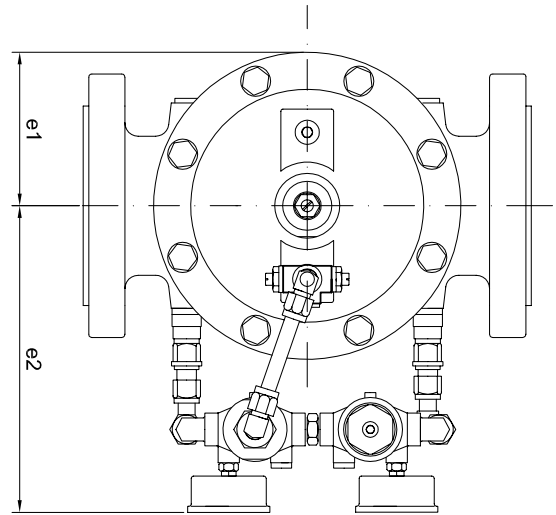
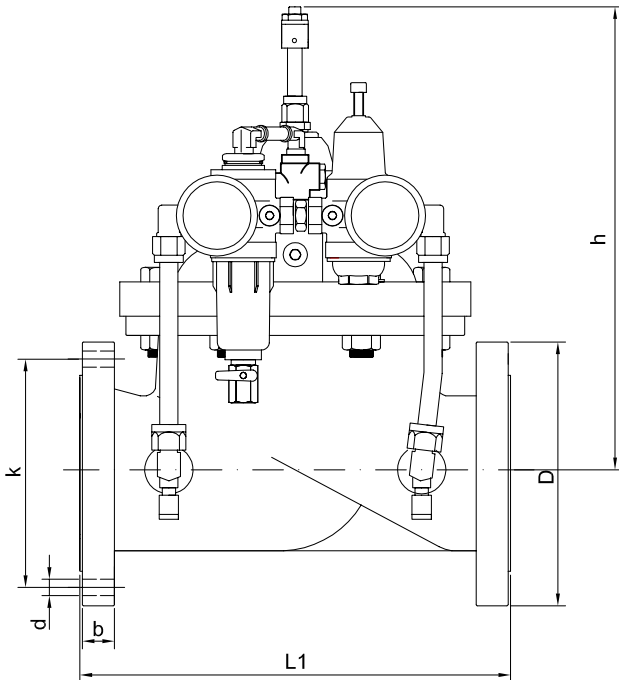
Field of Use

Final Inspection Test in acc. with EN 12266

DN mm	PN bar	Max. operating pressure bar	Max. operating temperature for neutral liquids °C	Test pressure in bar	
				with water in body	with water in seat
200...400	10	10	50	15	11
50...400	16	16	50	24	17.6
50...400	25	25	50	37.5	27.5



Dimensions / weights



Dimensions in mm		50	65	80	100	125	150	200	250	300	350	400	
Face to face length to EN 558-1	L1	230	290	310	350	400	480	600	730	710 ¹⁾	800 ¹⁾	845 ¹⁾	
Flange-dimensions	PN 10	D	see PN 16					345	410	464	520	580	
		k	see PN 16					295	350	400	460	515	
		No. holes	see PN 16					8	12	12	16	16	
		d	see PN 16					23	23	23	23	28	
		b	see PN 16					28	28	32	32	32	
	PN 16	D	167	189	200	220	250	294	345	410	464	520	580
		k	125	145	160	180	210	240	295	355	410	470	525
		No. holes	4	4	8	8	8	8	12	12	12	16	16
		d	19	19	19	19	19	23	23	28	28	28	31
		b	17	23	23	25	26	28	28	28	32	32	32
PN 25	D	167	189	200	220	250	294	360	425	485	555	620	
	k	125	145	160	190	220	250	320	385	450	510	585	
	No. holes	4	8	8	8	8	8	12	12	16	16	16	
	d	19	19	19	23	28	28	28	31	31	34	37	
	b	20	23	23	25	26	28	30	32	34	38	40	
Lengths	e1	90	120	120	150	150	150	200	250	280	280	340	
	e2	310	340	340	370	370	370	425	470	500	500	560	
	h	480	575	580	350	665	685	825	915	990	1015	1095	
Net weight	kg	19	36	38	50	65	75	160	232	380	440	580	
Volume req.	m ³	0.043	0.076	0.082	0.117	0.137	0.169	0.304	0.481	0.548	0.633	0.833	

¹⁾ different from EN 558-1