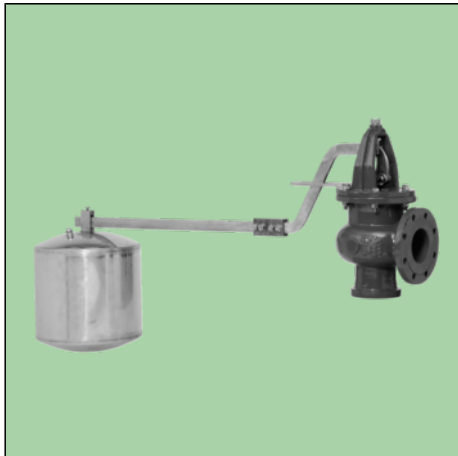




PN 10/16 - DN 40...500

KAT-A 2012



Product characteristics and benefits

- Resilient seated
- With flange end acc. to EN 1092-2
- Control valve in globe valve design
- Control valve in angle pattern body for level control in water tanks
- Low actuating torque due to pressure balanced valve piston
- Actuated by floater
- Shockproof closing at rising water level
- Splitted float lever
- For dynamic upstream pressures of up to 2 bar

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Piston: Ductile cast iron EN-JS 1030 (GGG-40)
- Float: Stainless steel 1.4301
- Floater rods: Stainless steel 1.4301

Corrosion protection

- Inside and outside epoxy coating

Versions

- Standard version as described (but without float)
- With float (must be ordered separately)

Field of Application

- Level control in water tanks

Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)

Operation data

- Specify operating pressure when inquiring/ordering.:
 - Maximum flow rate and minimum differential pressure
 - Minimum flow rate and maximum differential pressure
 - Static pressure upstream of valve
 - Static pressure downstream of valve
 - Dynamic pressure upstream of valve
 - Dynamic pressure downstream of valve

Note

For proper installation and safe operation please follow the installation and operation instructions:

“Installation and Operating Instructions for Valves”

Field of application

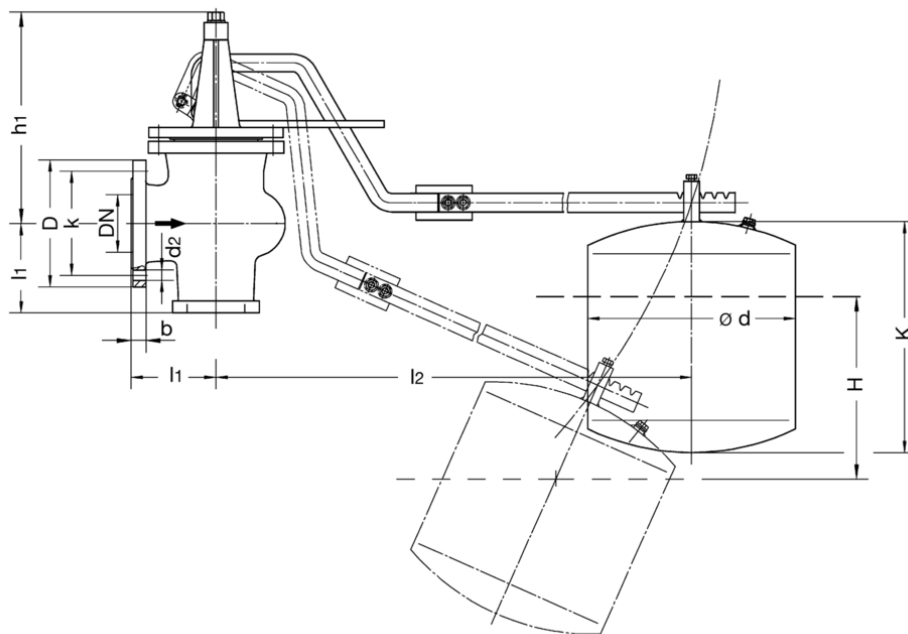
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
40...500	16	16	50
200...500	10	10	50

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
24	18
15	11



Drawing



Technical data

PN 16

DN		40	50	65	80	100	125	150	200	250	300	400	500
D	[mm]	150	165	185	200	220	250	285	340	405	460	580	715
H	[mm]	175	225	260	330	435	450	485	515	550	740	870	1100
K	[mm]	300	300	300	300	400	400	487	487	480	480	580	580
d2	[mm]	18	18	18	18	18	18	22	22	26	26	30	30
d	[mm]	275	275	320	320	360	360	450	450	524	524	600	600
h1	[mm]	250	270	290	300	360	400	450	620	690	750	900	1080
k	[mm]	110	125	145	160	180	210	240	295	355	410	525	650
l1	[mm]	90	100	120	130	150	175	200	250	300	350	450	550
l2	[mm]	510	620	800	900	1100	1200	1250	1300	1560	1750	2270	2500
No. of holes		4	4	4	8	8	8	8	12	12	12	16	20
Weight approx.	[kg]	17.00	20.00	30.00	35.00	55.00	72.00	95.00	195.00	280.00	370.00	690.00	1020.00
Volume approx.	[m ³]	0.090	0.100	0.130	0.140	0.190	0.220	0.330	0.550	-	-	-	-

PN 10

DN		200	250	300	400	500
D	[mm]	340	395	445	565	670
H	[mm]	515	550	740	870	1100
K	[mm]	487	480	480	580	580
d2	[mm]	22	22	22	26	26
d	[mm]	450	524	524	600	600
h1	[mm]	620	690	750	900	1080
k	[mm]	295	350	400	515	620
l1	[mm]	250	300	350	450	550
l2	[mm]	1300	1560	1750	2270	2500
No. of holes		8	12	12	16	20
Weight approx.	[kg]	195.00	280.00	370.00	690.00	1020.00
Volume approx.	[m ³]	0.400	0.660	-	-	-