



PN 16 - DN 50...150

KAT-A 2034-HR

Product characteristics and benefits

- Face-to-face length acc. to EN 558-1, basic series 1
- With flange ends on both sides acc. to EN 1092-2
- Control valve in globe valve design
- Slotted cylinder as standard control insert for cavitation-free regulation
- Low actuating torque due to pressure balanced compensation cylinder
- Compensation cylinder sealed with a quad ring
- Chambered and pull-out proof profiled sealing ring
- Welded valve seat enhances resistance to wear
- With rising stem
- With handwheel
- With position indicator

Materials

- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Valve sealing: EPDM
- Slotted cylinder: Stainless steel 1.4301
- Compensation cylinder: Stainless steel 1.4301
- Stem: Stainless steel 1.4057
- Stem bearing: Brass

Corrosion protection

- Internally and externally epoxy coated acc. to GSK guidelines

Versions

- Standard version as described
- Prepared for electric actuator
- With electric actuator
- Slotted cylinder adapted to operating conditions
- Service additionally available on request

Field of Application

- Chamber installation
- Installation in plants

**Tests and approvals**

- Final inspection test acc. to EN 12266

Operation data

- Specify operating pressure when inquiring/ordering.:
 - Maximum flow rate
 - Minimum flow rate
 - 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:

KAT-B 2034

Field of application

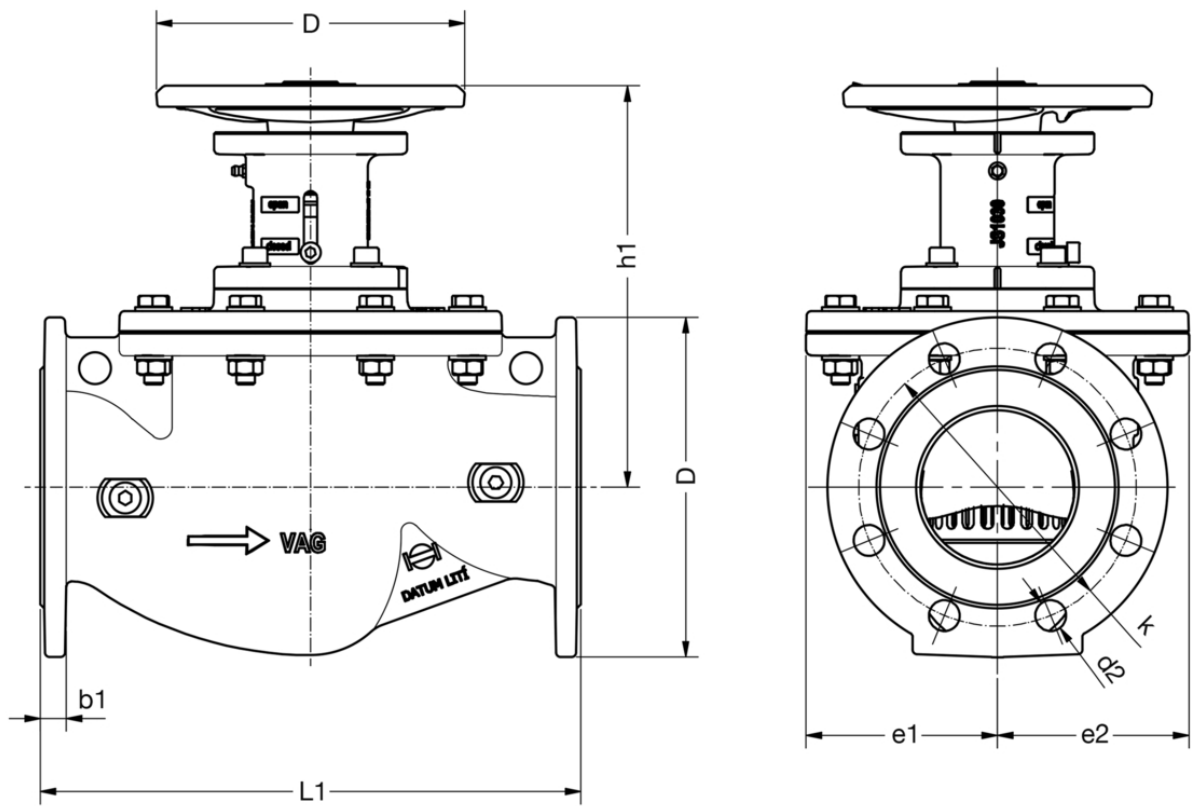
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...150	16	16	50

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
24	17.6



Drawing



Technical data

PN 16

DN		50	65	80	100	125	150
D	[mm]	165	185	200	220	250	285
L1	[mm]	230	290	310	350	400	480
b1	[mm]	19	19	19	19	19	19
d2	[mm]	20	20	20	20	20	23
e1	[mm]	80	105	105	125	125	182
e2	[mm]	80	105	105	125	125	182
h1	[mm]	220	260	250	260	270	392
k	[mm]	125	145	160	180	210	240
No. of holes		4	4	8	8	8	8
Turns/stroke hand operation		7.5	12.5	12.5	15	15	22.5
Weight with handwheel approx.	[kg]	18.0	27.0	30.0	35.0	39.0	71.0
Volume with handwheel approx.	[m³]	0.010	0.020	0.020	0.030	0.040	0.090