


PN 10/16 - DN 50...200

KAT-A 1918

Product characteristics and benefits

- Resilient seated
- With flange end acc. to EN 1092-2
- Single chamber air valve in compact design
- Customized discharge capacity due to individually calculated orifice
- Triple function air valve
- Venting function:
 - Large orifice to vent high quantities of air during draining the pipeline
 - Large calculated orifice for controlled venting of defined quantities of air when filling the pipeline
 - Small orifice to release low quantities of air during operation under pressure
- Minimum operation pressure: 0.3 bar
- With mounted VAG Butterfly Valve Lug-type with handlever
- Prevents vacuum and reduces pressure surges after power failure at pump stations
- Controls the filling quantity of the pipeline when unregulated pumps start up
- With sidewise drainage plug

Materials

- Body: Ductile iron EN-JS 1030 (GGG-40)
- Bonnet: Stainless steel 1.4308
- Bonnet bolts: Stainless steel A4 (DIN EN ISO 3506)
- Inner parts: Stainless steel 1.4541
- Float: Stainless steel 1.4571 (exception: DN 50 - PN 10/16 synthetic, from PN 25 of 1.4571)
- Sealing: EPDM
- Body of butterfly valve: Ductile iron EN-JS 1030 (GGG-40)
- Disk of butterfly valve: Ductile iron EN-JS 1030 (GGG-40)
- Orifice plate: Stainless steel 1.4021

Corrosion protection

- Internally and externally epoxy coated acc. to GSK guidelines

Versions

- Standard version as described
- For pressures of 0.1...1 bar special seal (with special sealing). Please specify operating pressure when inquiring/ordering.

Field of Application

- Chamber installation
- Installation in plants


Tests and approvals

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

Note

For proper installation and safe operation please ensure that you read the installation and operation instructions: KAT-B 1912

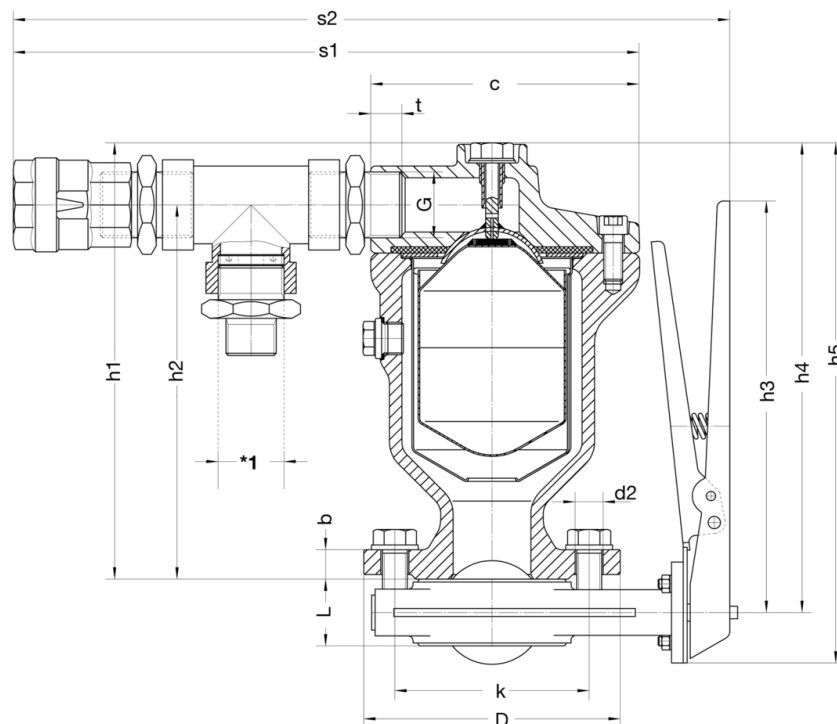
Field of application

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

Pressure test acc. to EN 12266

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

Drawing



*1: calculated orifice plate

Technical data

PN 16

DN		50	80	100	150	200
G Screw connection	[inch]	2"	2"	2 1/2"	4"	4"
D	[mm]	165	200	220	285	340
L	[mm]	43	46	52	56	60
b	[mm]	19	19	19	19	20
c	[mm]	185	185	205	260	260
d2	[mm]	18	18	18	22	22
h1	[mm]	340	340	380	510	510
h2	[mm]	282	282	317	423	423
h3	[mm]	265	265	265	275	275
h4	[mm]	362	363	406	538	540
h5	[mm]	373	373	413	555	555
k	[mm]	125	160	180	240	295
s1	[mm]	415	415	435	490	490
s2	[mm]	466	481	509	569	593
t	[mm]	25	25	30	40	40
No. of holes		4	8	8	8	12
Weight approx.	[kg]	35.00	38.00	45.00	78.00	79.00
Volume approx.	[m³]	0.032	0.033	0.043	0.082	0.086


Technical data
PN 10

DN		200
G Screw connection	[inch]	4"
D	[mm]	340
L	[mm]	60
b	[mm]	20
c	[mm]	260
d2	[mm]	22
h1	[mm]	510
h2	[mm]	423
h3	[mm]	275
h4	[mm]	540
h5	[mm]	555
k	[mm]	295
s1	[mm]	490
s2	[mm]	593
t	[mm]	40
No. of holes		8
Weight approx.	[kg]	79.00
Volume approx.	[m ³]	0.086