


PN 10/16/25 - DN 50...200

KAT-A 1925

Product characteristics and benefits

- Resilient seated
- With flange end acc. to EN 1092-2
- Single chamber air valve in compact design
- Tamper resistant due to special strainer and bonnet design
- High discharge capacity up to sonic velocity due to stabilised floater
- Triple function air valve
- Venting function:
 - Large orifice to admission of high quantities of air during draining the pipeline
 - Large orifice to release high quantities of air during filling the pipeline
 - Small orifice to release low quantities of air during operation under pressure
- Minimum operation pressure: 0.3 bar

Materials

- Body: Ductile Cast Iron EN-GJS 400-15 (GGG-40)
- Lower bonnet: Ductile Cast Iron EN-GJS 400-15 (GGG-40)
- Upper bonnet: Ductile Cast Iron EN-GJS 400-15 (GGG-40)
- Bonnet bolts: Stainless steel A4 (DIN EN ISO 3506)
- Strainer with lead bolt: Stainless steel 1.4301
- Float: Stainless steel 1.4571 (exception: DN 50 - PN 10/16 synthetic, from PN 25 of 1.4571)
- Other inner parts are made of stainless steel grade 1.4541
- Sealing: EPDM

Corrosion protection

- Internally and externally epoxy coated

Versions

- Standard version as described
- For pressures of 0.1...1 bar with special sealing.
Note: Please specify operating pressure when inquiring/ordering
- For flange dimensions acc. to ANSI class150

Field of Application

- Chamber installation
- Installation in plants


Tests and approvals

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

Notes

For proper installation and safe operation please ensure that you read the installation and operation instructions: KAT-B 1925

Field of Application

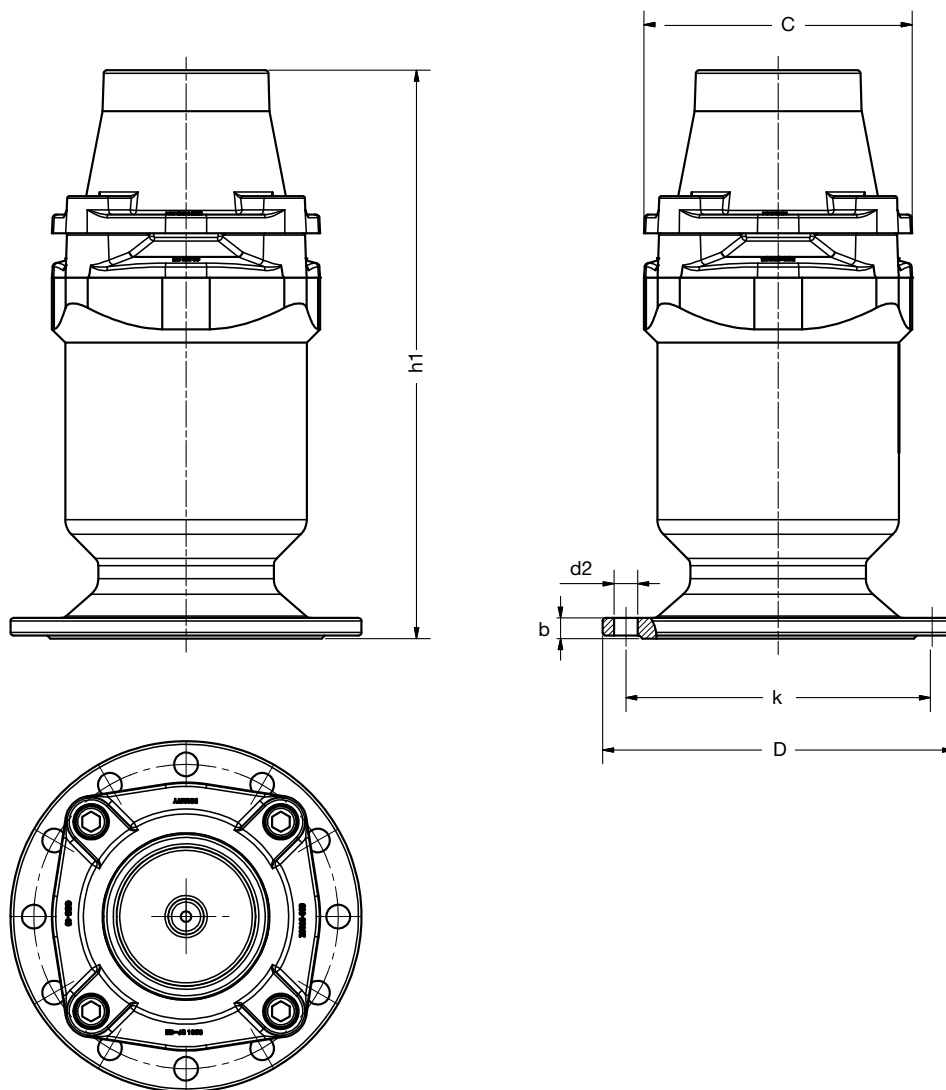
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...200	25	25	50
50...200	16	16	50
200	10	10	50

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
37.5	37.5
24	24
15	15



Drawing



Technical data

PN 25

DN		50	80	100	150	200
D	[mm]	165	200	235	300	360
b	[mm]	19	19	19	20	22
c	[mm]	185	185	205	260	260
d2	[mm]	18	18	22	26	26
h1	[mm]	340	340	380	510	510
k	[mm]	125	160	190	250	310
No. of holes		4	8	8	8	12
Weight approx.	[kg]	25.00	25.00	28.00	56.00	57.00
Volume approx.	[m ³]	0.015	0.015	0.020	0.040	0.040



Technical data

PN 16

DN		50	80	100	150	200
D	[mm]	165	200	220	285	340
b	[mm]	19	19	19	19	20
c	[mm]	160	185	205	260	260
d2	[mm]	18	18	18	22	22
h1	[mm]	310	365	410	550	550
k	[mm]	125	160	180	240	295
No.of holes		4	8	8	8	12
Weight Approx.	[Kg]	14	20	30	58	58

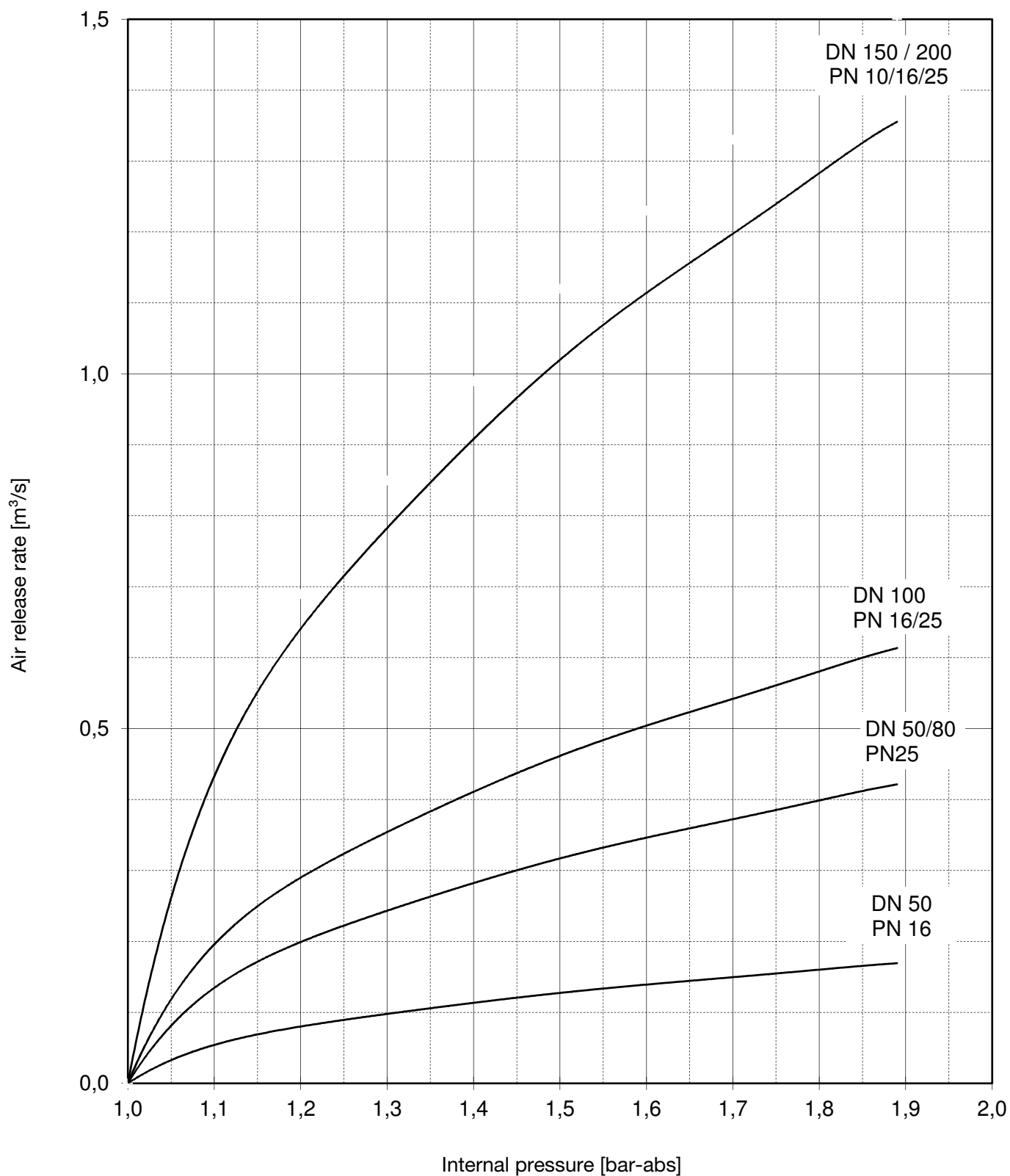
PN 10

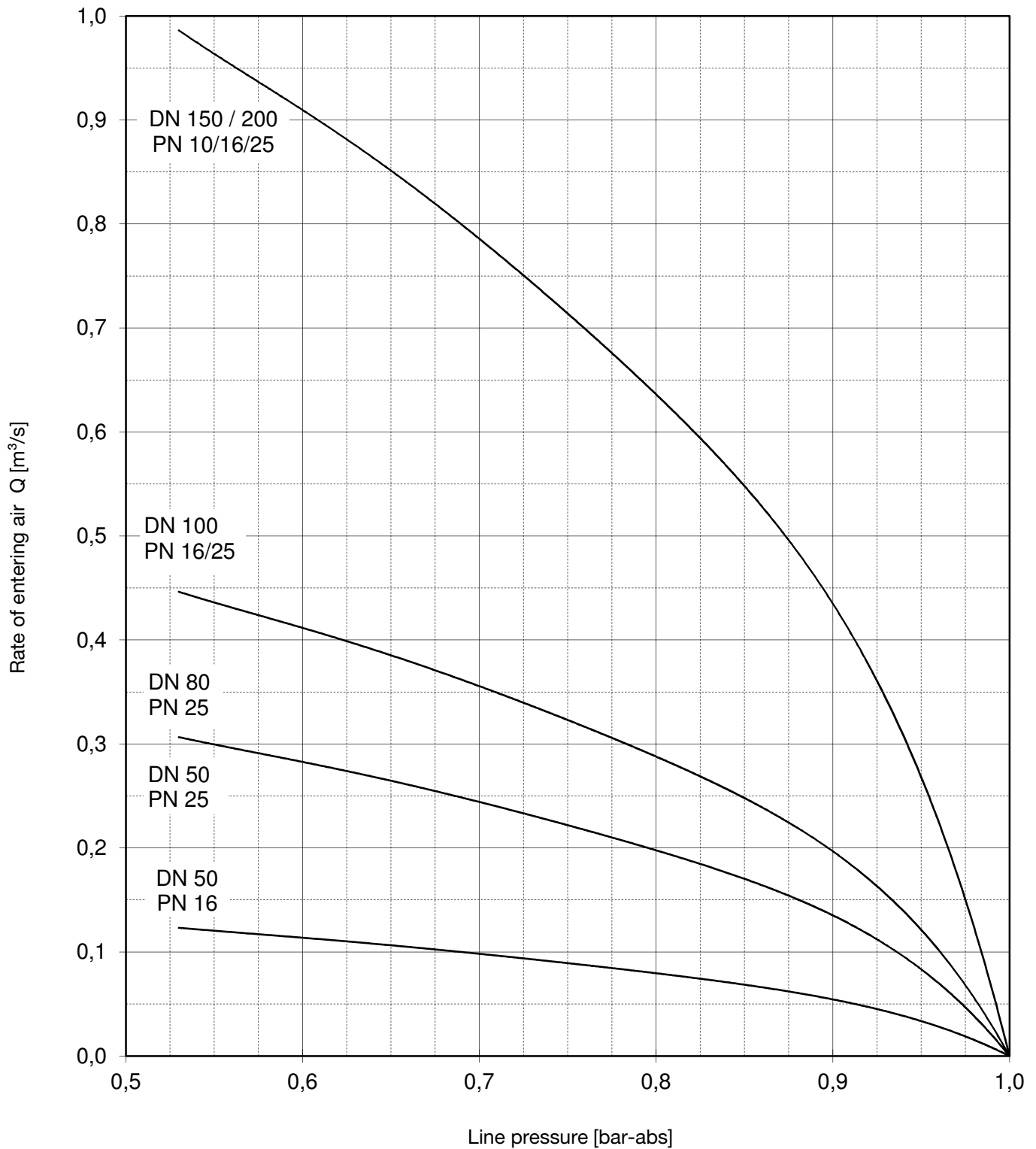
DN		200
D	[mm]	340
b	[mm]	20
c	[mm]	260
d2	[mm]	22
h1	[mm]	550
k	[mm]	295
No.of holes		8
Weight Approx.	[Kg]	58



Futher information

Rate of air release during filling the pipeline
 large orifice




Further information
Rate of air intake in dependence of the operating pressure
 large orifice




Futher information

Rate of air release at full internal operating pressure
 small orifice

