



PN 10/16/25 - DN 50...300

KAT-A 1915

Product characteristics and benefits

- Triple function air valve
- Double chamber air valve in compact design
- Venting function:
 - Large orifice to vent 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
- High discharge capacity for large quantities of air
- With flange end acc. to EN 1092-2
- Resilient seated
- Outlet female threaded acc. to DIN ISO 228
- Minimum operation pressure: 0.5 bar

Materials

- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Inner parts: Plastic
- Float: Plastic (Exception: Stainless steel A4 for DN 250 and DN 300)
- Sealing: EPDM

Corrosion protection

- Internally and externally epoxy coated acc. to GSK guidelines

Field of application

- Chamber installation
- Installation in plants

**Tests and approvals**

- Final inspection test according to EN 12266-1 (leakage rate A)

Note

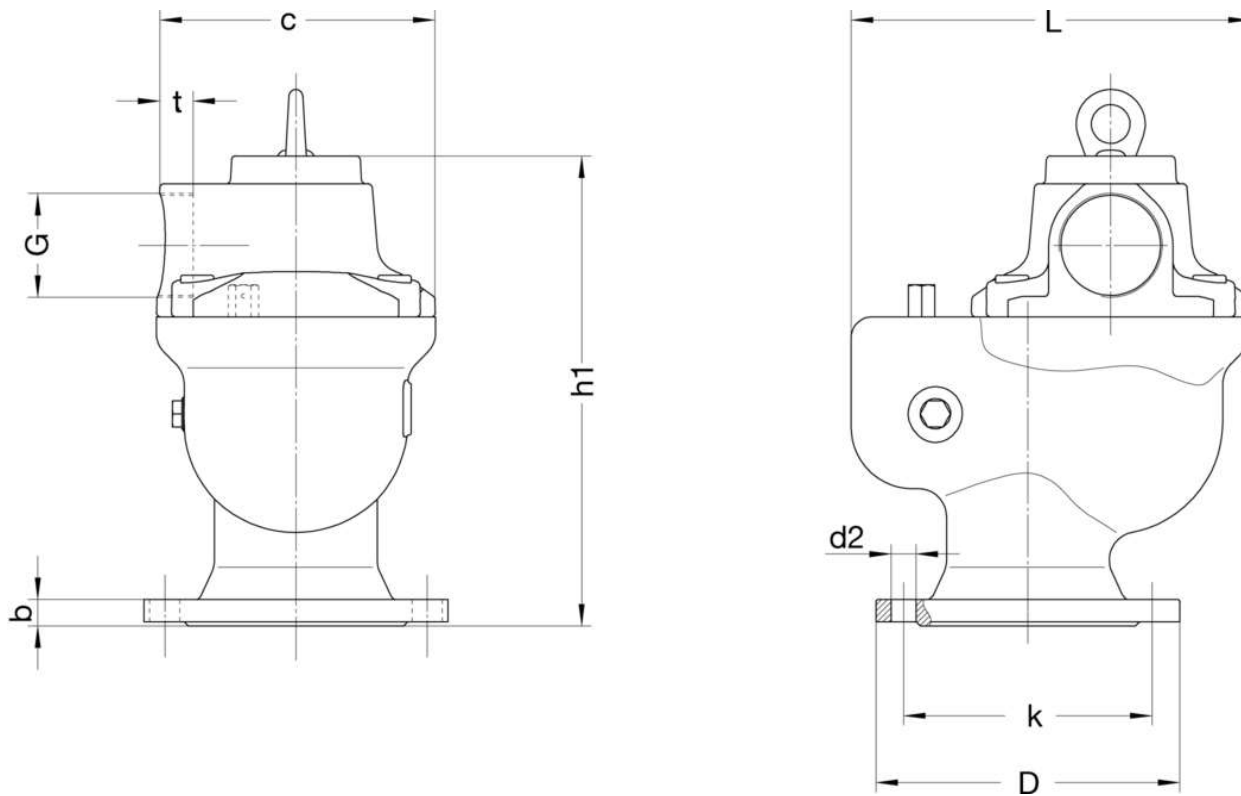
For proper installation and safe operation please follow the installation and operation instructions:
KAT-B 1916

Field of application

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...200	25	25	50
50...300	16	16	50
200...300	10	10	50



Drawing



Technical data

PN 10

DN		200	250	300
G Screw connection	[inch]	4"	M 220x3	M 220x3
D	[mm]	340	400	455
L	[mm]	351	710	710
b	[mm]	20	22	24.5
k	[mm]	295	350	400
c	[mm]	260	505	505
d2	[mm]	23	23	23
h1	[mm]	460	908	908
t	[mm]	40	100	100
No. of holes		8	12	12
Weight approx.	[kg]	58.50	270.00	285.00
Volume approx.	[m ³]	53	0.32	0.32



Technical data

PN 16

DN		50	65	80	100	150	200	250	300
G Screw connection	[inch]	1 1/4"	1 1/4"	2"	2 1/2"	4"	4"	M 220x3	M 220x3
D	[mm]	165	185	200	220	285	340	400	455
L	[mm]	231	231	260	289	351	351	710	710
b	[mm]	19	19	19	19	19	20	22	24,5
k	[mm]	125	145	160	180	240	295	355	410
c	[mm]	156	156	185	202	260	260	505	505
d2	[mm]	19	19	19	19	23	23	28	28
h1	[mm]	265	265	314	339	460	460	859	859
t	[mm]	20	20	25	30	40	40	100	100
No. of holes		4	8	8	8	8	12	12	12
Weight approx.	[kg]	15.00	15.00	21.00	26.50	52.00	58.50	270.00	285.00
Volume approx.	[m ³]	0.01	0.01	16	0.02	53	53	0.32	0.32

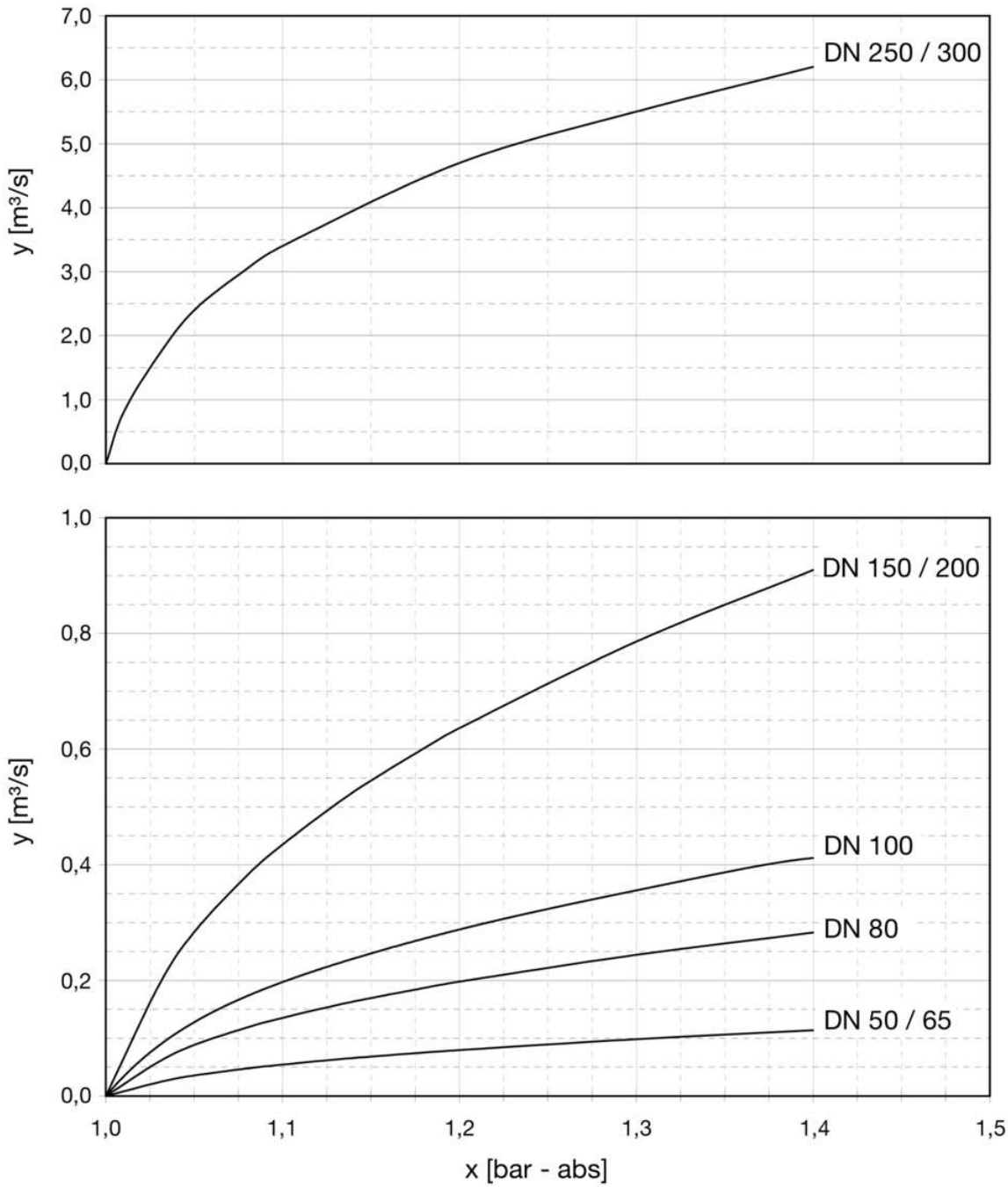
PN 25

DN		50	65	80	100	150	200
G Screw connection	[inch]	1 1/4"	1 1/4"	2"	2 1/2"	4"	4"
D	[mm]	165	185	200	235	300	360
L	[mm]	231	231	260	289	351	351
b	[mm]	19	19	19	19	20	22
k	[mm]	125	145	160	190	250	310
c	[mm]	156	156	185	202	260	260
d2	[mm]	19	19	19	23	28	28
h1	[mm]	265	265	314	339	460	460
t	[mm]	20	20	25	30	40	40
No. of holes		4	8	8	8	8	12
Weight approx.	[kg]	15.00	15.00	21.00	26.50	52.00	58.50
Volume approx.	[m ³]	0.01	0.01	16	0.02	53	53



Further information

Rate of air release during filling the pipeline
large orifice



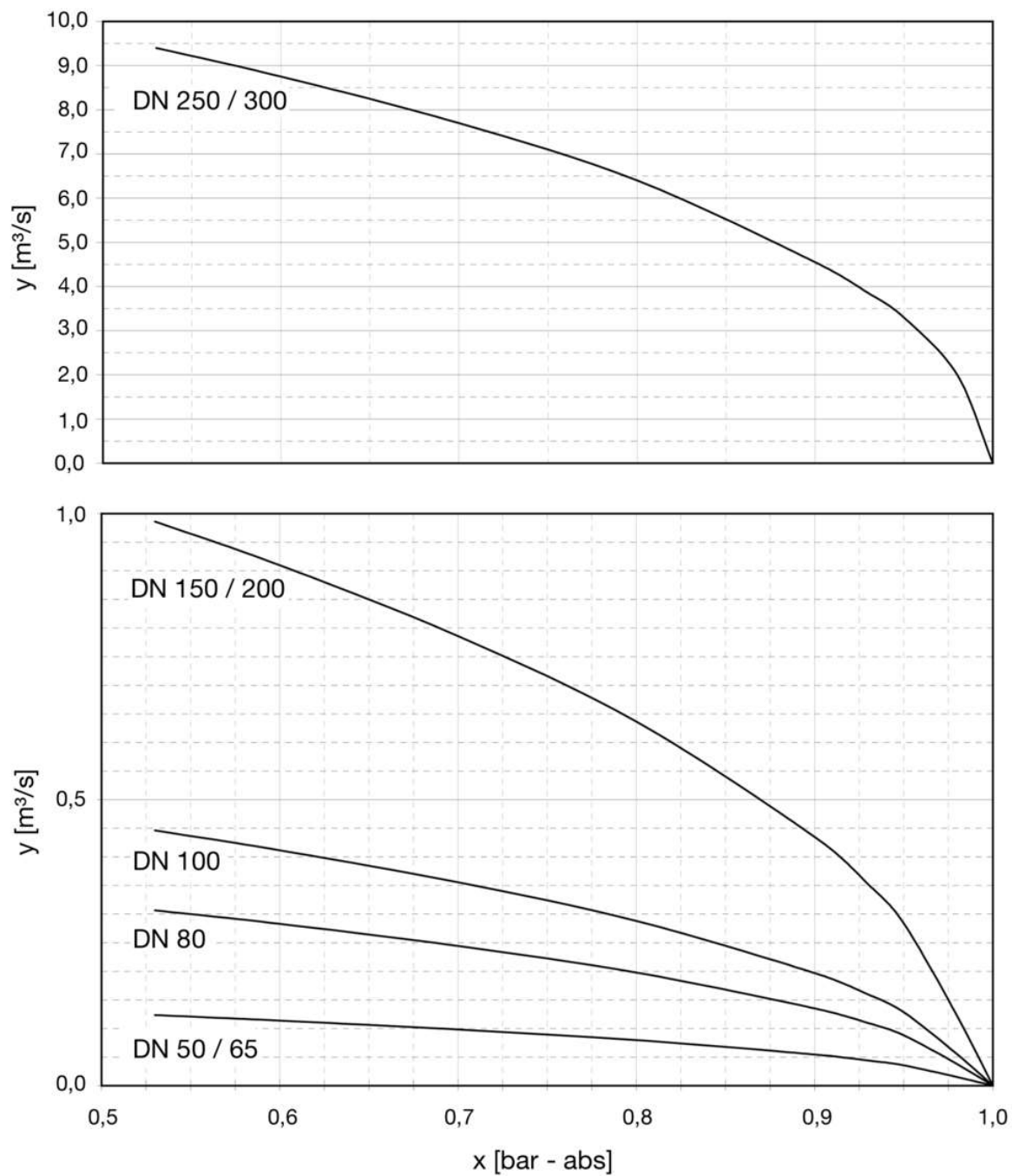
x: Internal pressure p [bar - absolute]
y: Air release rate Q [m^3/s]



Further information

Rate of air intake in dependence of the operating pressure

large orifice

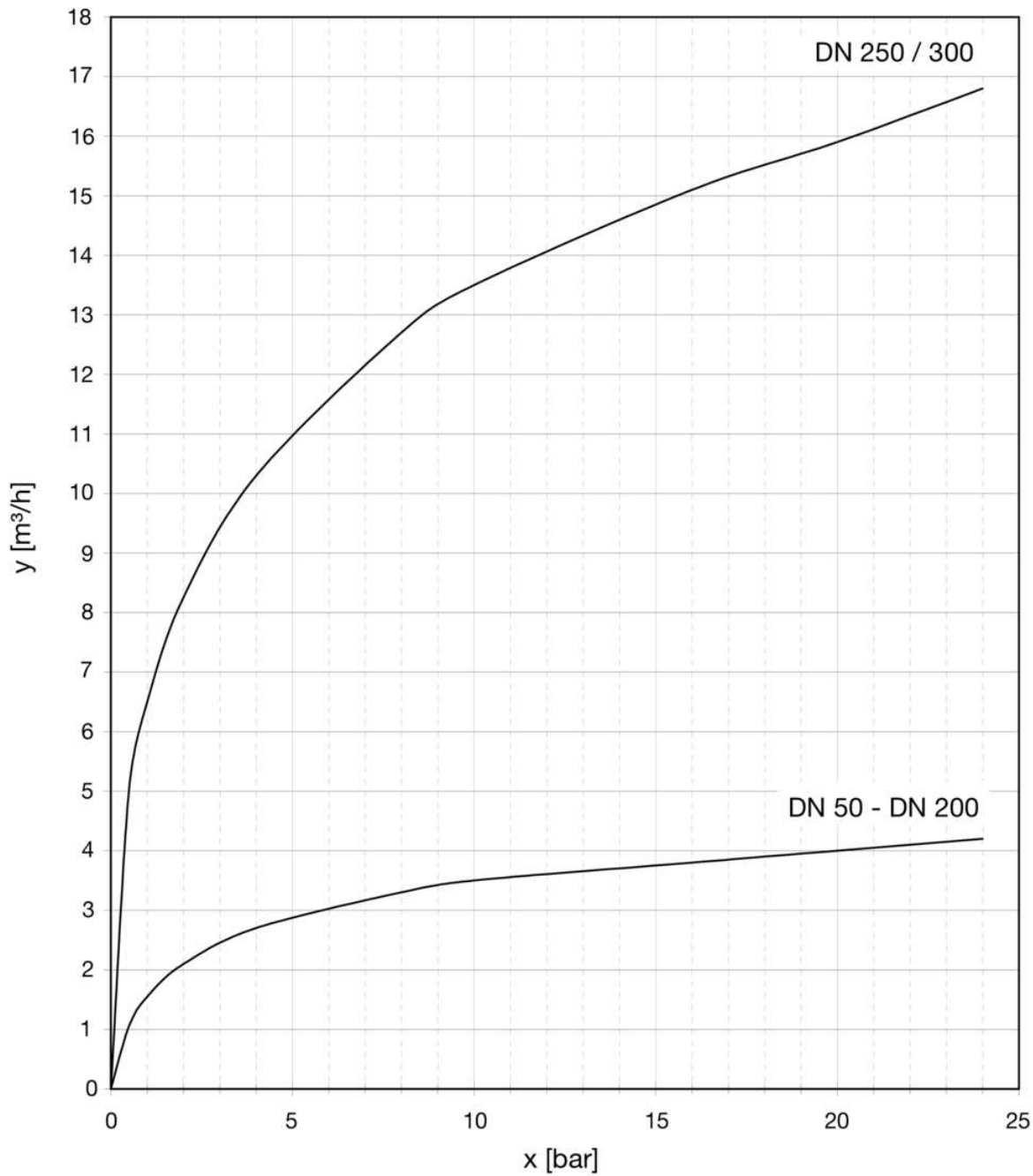


x: Internal pressure p [bar - absolute]
y: Air inflow rate Q [m^3/s]



Further information

Rate of air release at full internal operating pressure
small orifice



x: Operating pressure p in pipeline [bar]
y: Air release rate Q [m³/h]