



PN 10/16/25 - DN 300...800

KAT-A 1913



Product characteristics and benefits

- Resilient seated
- With flange end acc. to EN 1092-2
- Spring-loaded air valve
- Very high venting capacity for large quantities of air with attached triple function air valve (VAG DUOJET® Automatic Air Valve)
- Triple function air valve
- Venting function:
 - Large cross-section to vent high quantities of air for pipe collapsing protection
 - Medium orifice to release when filling the pipeline
 - Small orifice to release low quantities of air during operation under pressure
- Minimum operation pressure: 0.3 bar
- With VAG DUOJET® Automatic Air Valve including shut-off valve (VAG CEREX®300 Butterfly Valve for inspection)
- With friction damper for soft closing of the disk

Tests and approvals

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

Note

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

KAT-B 1913 in combination with KAT-B 1912 and KAT-B 1331

Materials

- Body: Welded steel S235JRG2
- Bonnet: Welded steel S235JRG2
- Bonnet bolts: Stainless steel A4 (DIN EN ISO 3506)
- Inner parts: Stainless steel 1.4301
- Bolts: Stainless steel A4 (DIN EN ISO 3506)
- Body VAG DUOJET® Automatic Air Valve: Ductile cast iron EN-JS 1030 (GGG-40)
- Body of shut-off valve: Ductile cast iron EN-JS 1030 (GGG-40)
- Stem: Stainless steel 1.4301

Corrosion protection

- Inside and outside epoxy coating

Versions

- Standard version as described
- Bigger sizes available on request

Field of Application

- Chamber installation
- Installation in plants

Field of application

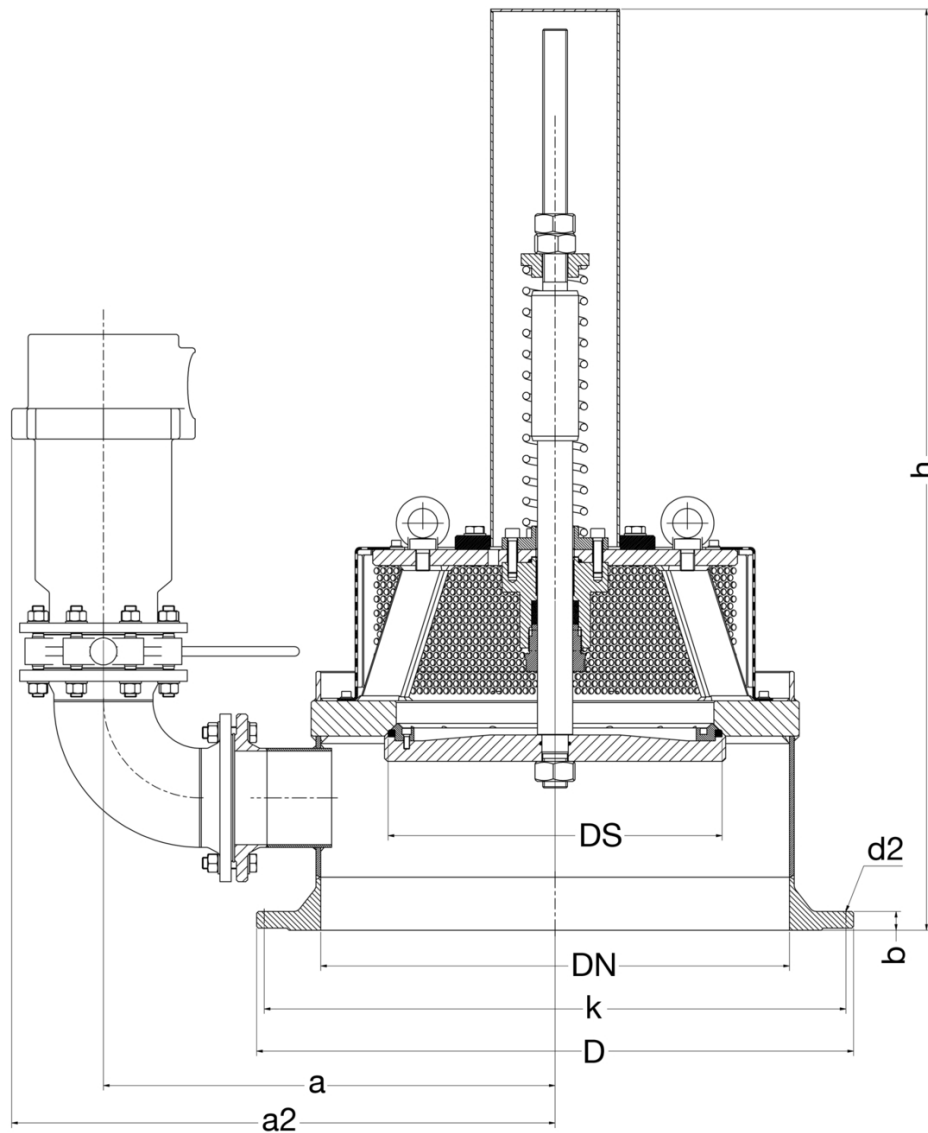
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
300...800	25	25	50
300...800	16	16	50
300...800	10	10	50

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		300	500	600	800
D	[mm]	485	730	845	1085
DS	[mm]	200	300	450	550
a	[mm]	425	575	650	770
a2	[mm]	550	700	800	950
b	[mm]	28	37	42	51
d2	[mm]	30	36	39	48
h	[mm]	850	1065	1500	1650
k	[mm]	430	660	770	990
No. of holes		16	20	20	24
Weight approx.	[kg]	125.00	250.00	400.00	700.00
Volume approx.	[m ³]	0.400	0.800	1.700	2.800



Technical data

PN 16

DN		300	500	600	800
D	[mm]	460	715	840	1025
DS	[mm]	200	300	450	550
a	[mm]	425	575	650	770
a2	[mm]	550	700	800	950
b	[mm]	28	32	36	38
d2	[mm]	26	33	36	39
h	[mm]	850	1065	1500	1650
k	[mm]	410	650	770	950
No. of holes		12	20	20	24
Weight approx.	[kg]	125.00	250.00	400.00	700.00
Volume approx.	[m ³]	0.400	0.800	1.700	2.800

PN 10

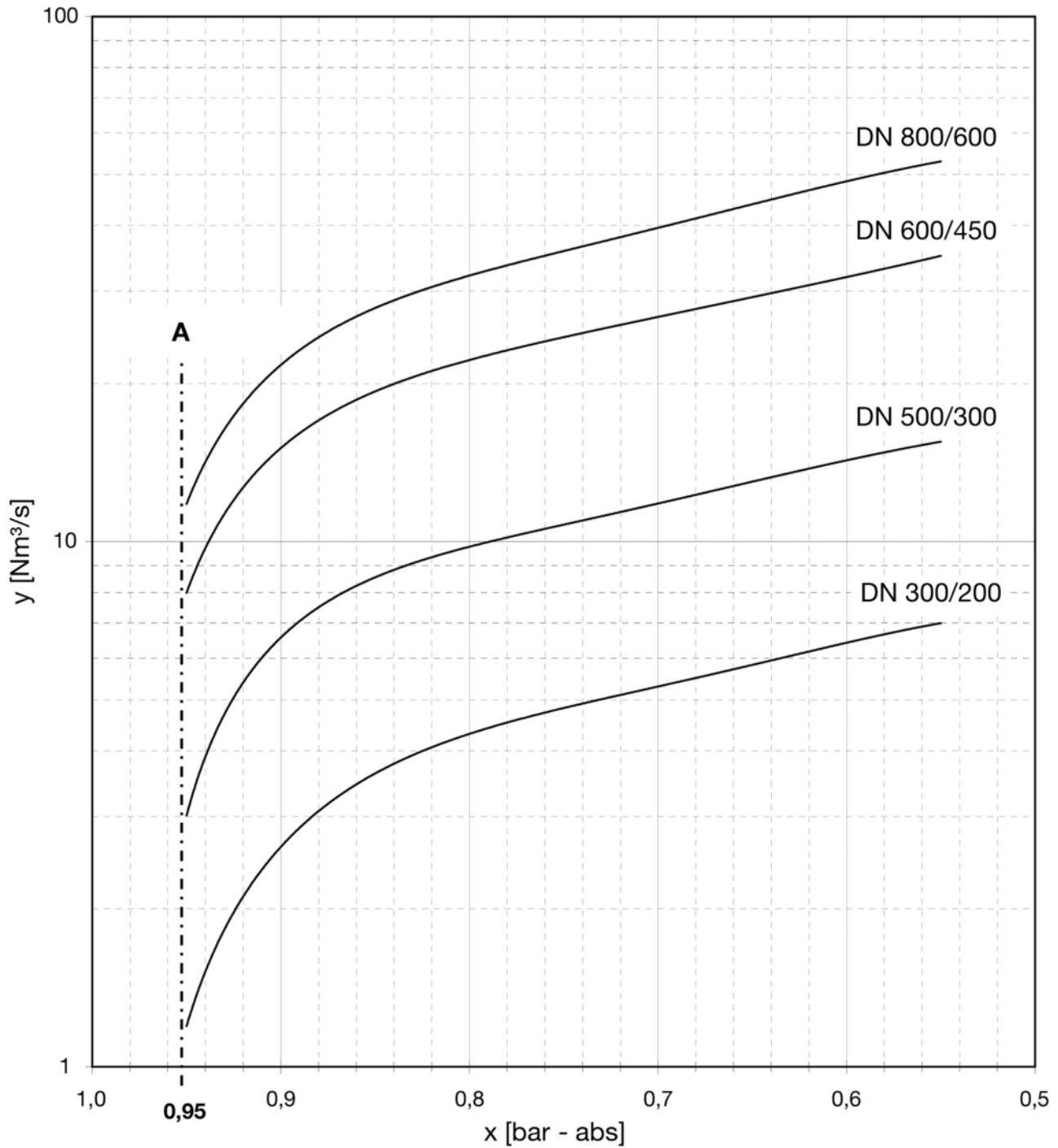
DN		300	500	600	800
D	[mm]	445	670	820	1015
DS	[mm]	200	300	450	550
a	[mm]	425	575	650	770
a2	[mm]	550	700	800	950
b	[mm]	26	28	28	32
d2	[mm]	22	26	30	33
h	[mm]	850	1065	1500	1650
k	[mm]	400	620	725	950
No. of holes		12	20	20	24
Weight approx.	[kg]	125.00	250.00	400.00	700.00
Volume approx.	[m ³]	0.400	0.800	1.700	2.800



Further information

Rate of air intake

Air intake rate in dependence of the internal pressure



x: Internal pressure p [bar - absolute]

y: Air inflow rate Q [Nm^3/s]

A: Beginning of opening