



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

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
- Sealing: EPDM

Corrosion protection

- Internally and externally epoxy coated

Field of application

- Chamber installation
- Installation in plants



Tests and approvals

- Final inspection test acc. to EN 12266

Note

For valve dimensioning the free VAG UseCAD® software is available on request.

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

Field of application

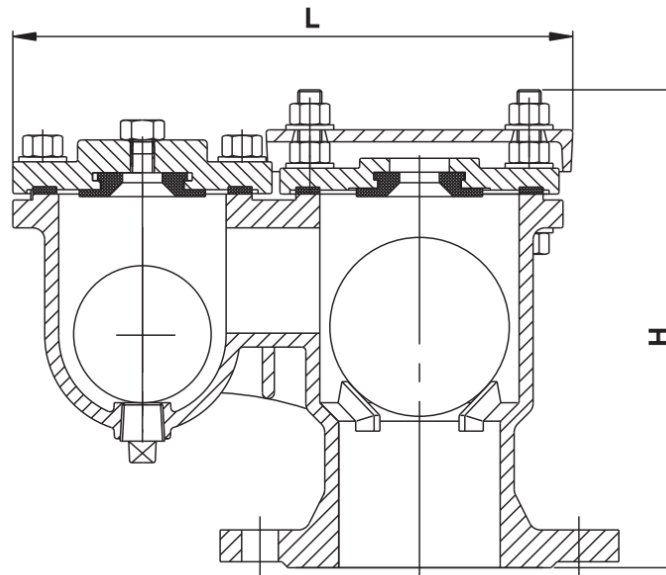
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...200	25	25	50
50...300	16	16	50
200...300	10	10	50

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

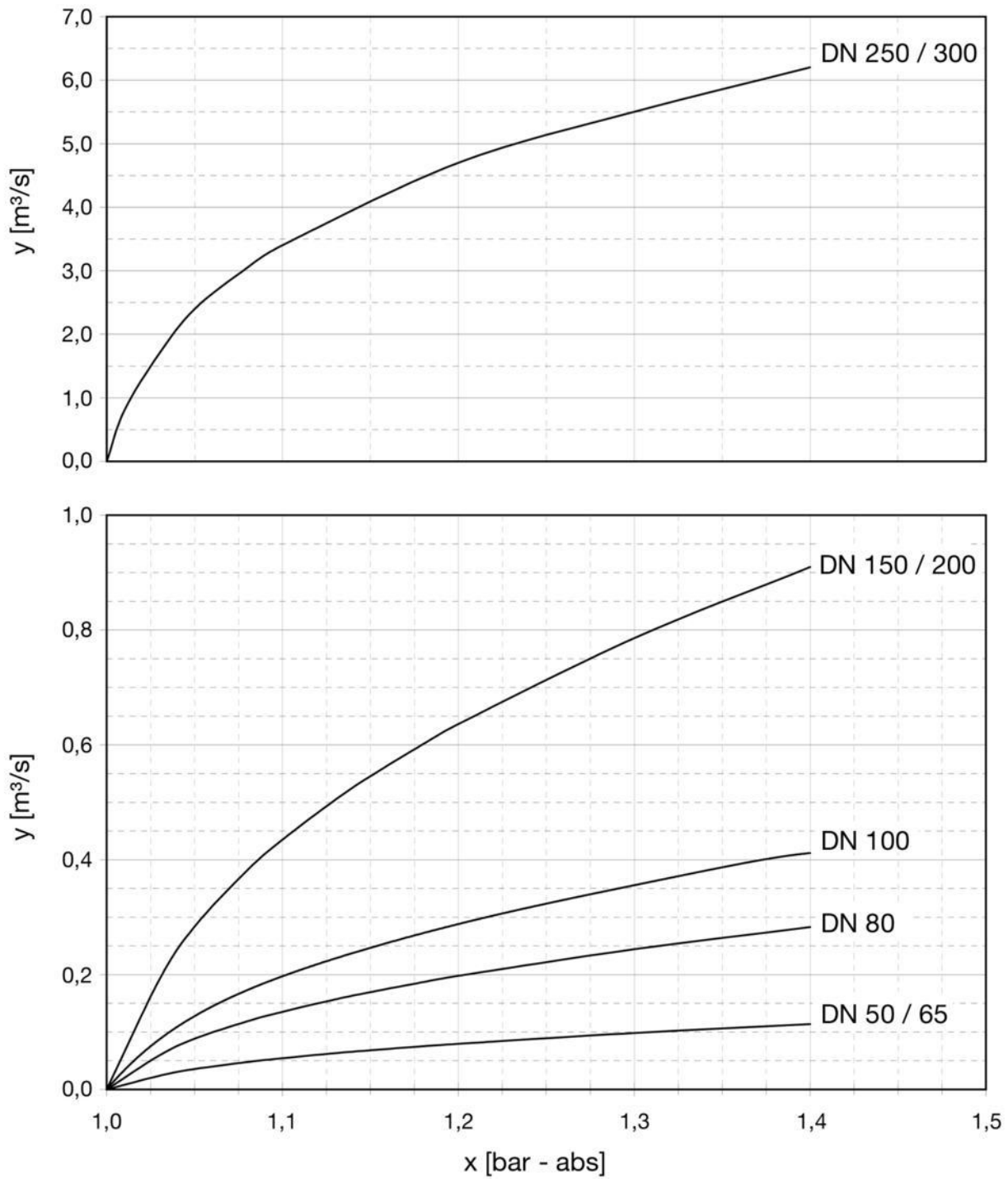
Dimensions

DN	mm	25	40	50	65	80	100	125	150	200	250
	inch	1	1-1/2	2	2-1/2	3	4	5	6	8	10
L		147	224	273	273	283	302	353	353	433	491
H		185	187	214	214	244	270	323	323	401	450



Further information

Rate of air release during filling the pipeline
large orifice

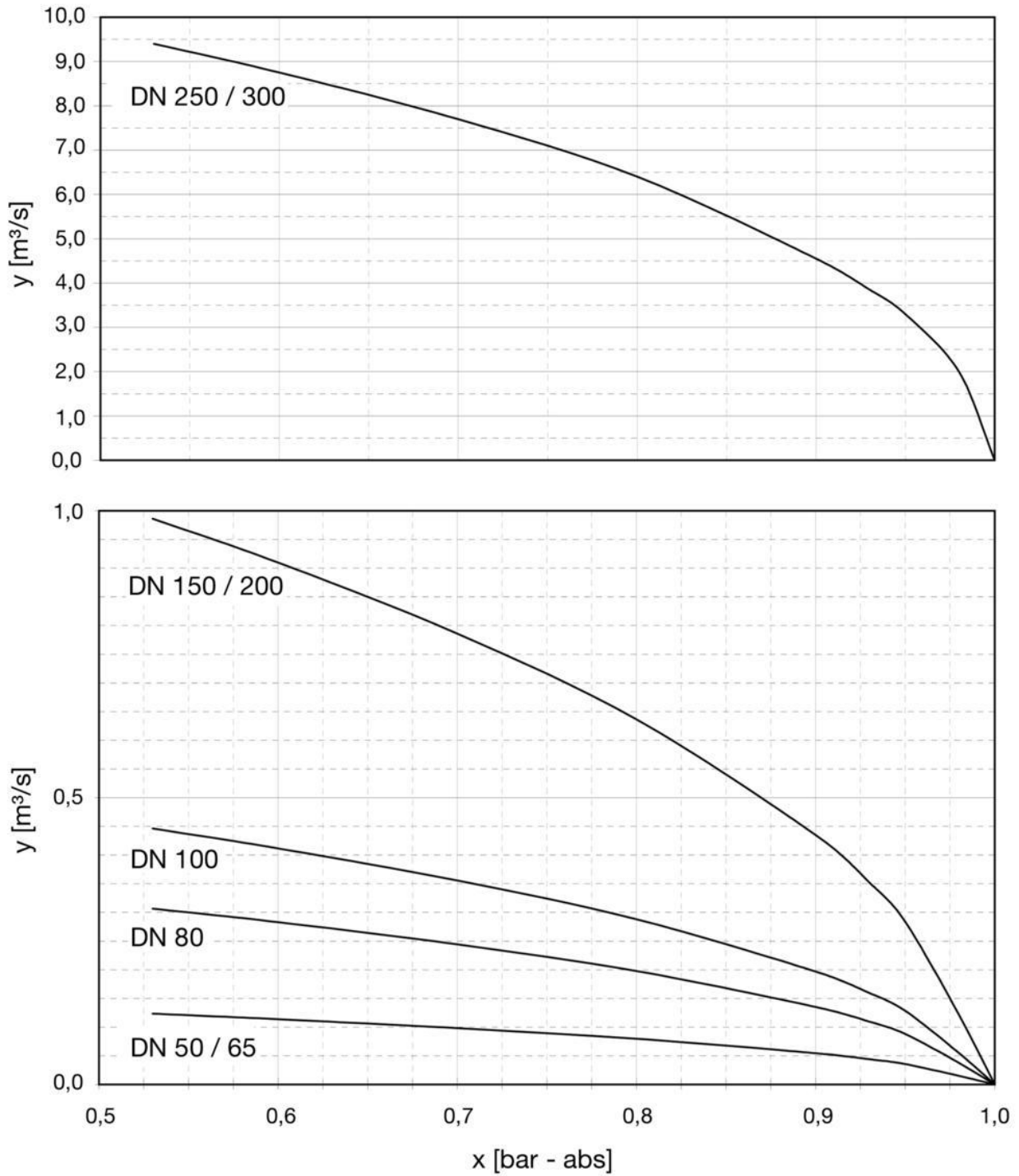


x: Internal pressure p [bar - absolute]
y: Air release rate Q [m^3/s]



Further information

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



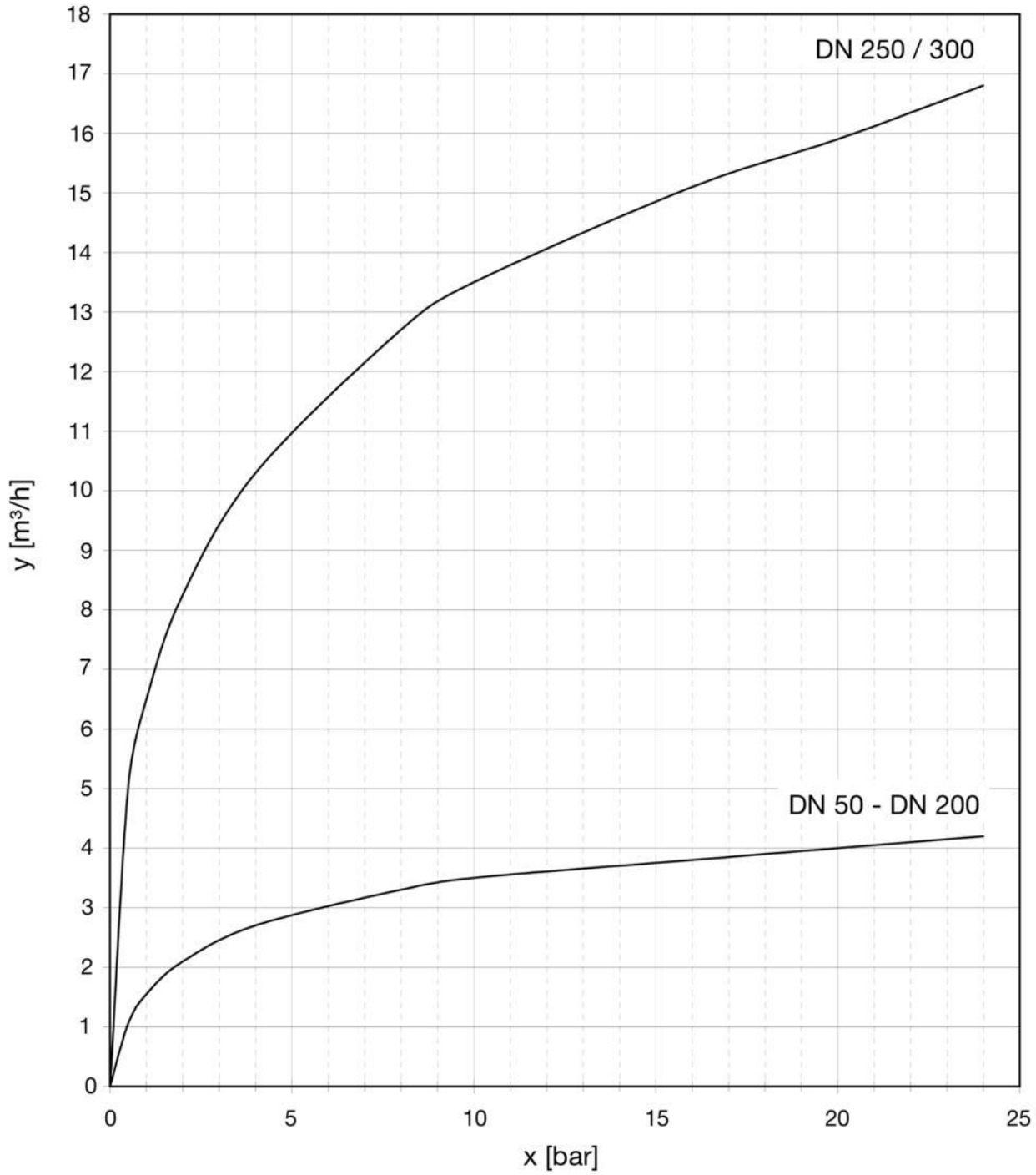
x: Internal pressure p [bar - absolute]
y: Air inflow rate Q [m³/s]



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]