PN 10/16 - DN 50...200
KAT-A 2449

Product characteristics and benefits

- Resilient seated in accordance with EN 16767
- Face-to-face length acc. to EN 558, basic series 48 (DIN 3202, F6)
- With flange ends on both sides acc. to EN 1092-2, PN 10
- No mechanically moving parts
- Easy to maintain
- Prevention of back flow via ball check principle
- Little risk of blockage due to full bore type
- Applicable at low differential pressure
- Low friction losses
- With sinking ball

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)
- Ball: Aluminium core vulcanized with NBR on all sides

Corrosion protection

- Internally and externally epoxy coated acc. to GSK guidelines

Versions

- Standard version as described
- Bigger sizes available on request

Field of application

- Installation in plants

Tests and approvals

- Final inspection test according to 1074-3, EN 12266-1 (leakage rate A)

Note

For proper installation and safe operation please follow the installation and operation instructions:
"Installation and Operating Instructions for Valves"

Field of application

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...150	16	16	50
200	10	10	50

Drawing
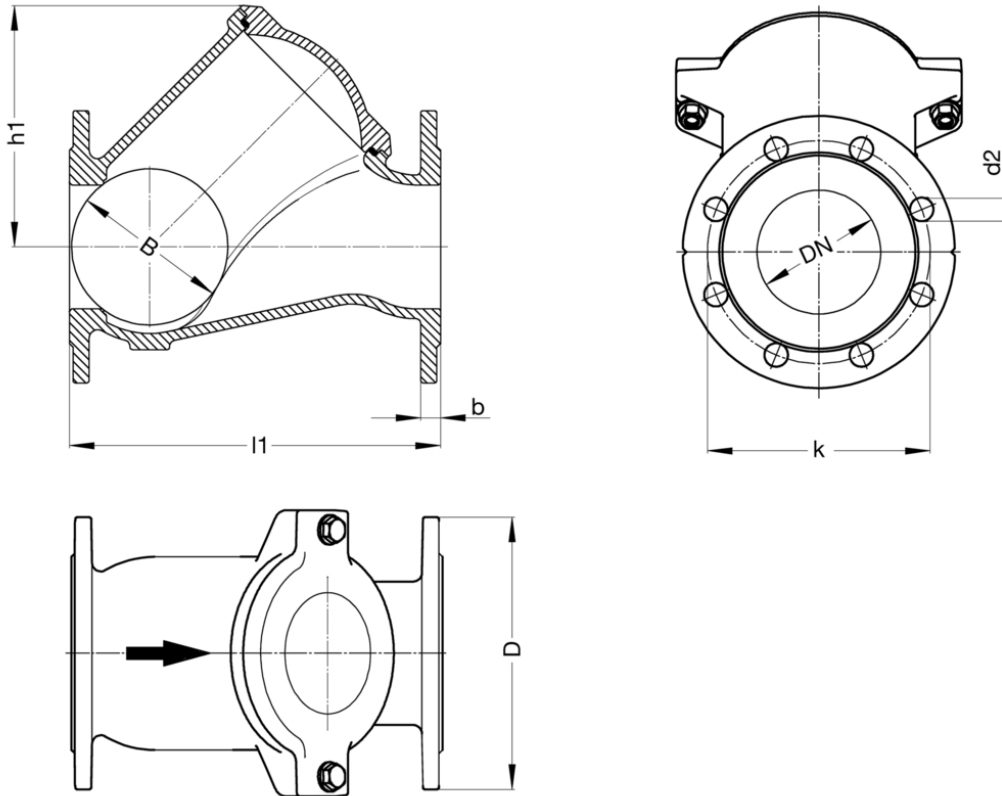
Technical data

PN 10

DN		200
D	[mm]	340
b	[mm]	20
B	[mm]	252
k	[mm]	295
d2	[mm]	23
h1	[mm]	336
l1	[mm]	500
No. of holes		8
Weight approx.	[kg]	72.00
Volume approx.	[m³]	0.086

PN 16

DN		50	65	80	100	125	150
D	[mm]	165	185	200	220	250	285
b	[mm]	19	19	19	19	19	19
B	[mm]	63	82	101	126	158	189
k	[mm]	125	145	160	180	210	240
d2	[mm]	18	18	18	18	18	23
h1	[mm]	116	146	166	194	231	262
l1	[mm]	200	240	260	300	350	400
No. of holes		4	4	8	8	8	8
Weight approx.	[kg]	8.00	11.00	13.00	19.00	28.00	37.00
Volume approx.	[m³]	0.007	0.01	0.014	0.02	0.031	0.046

Further information

Flow resistance coefficient
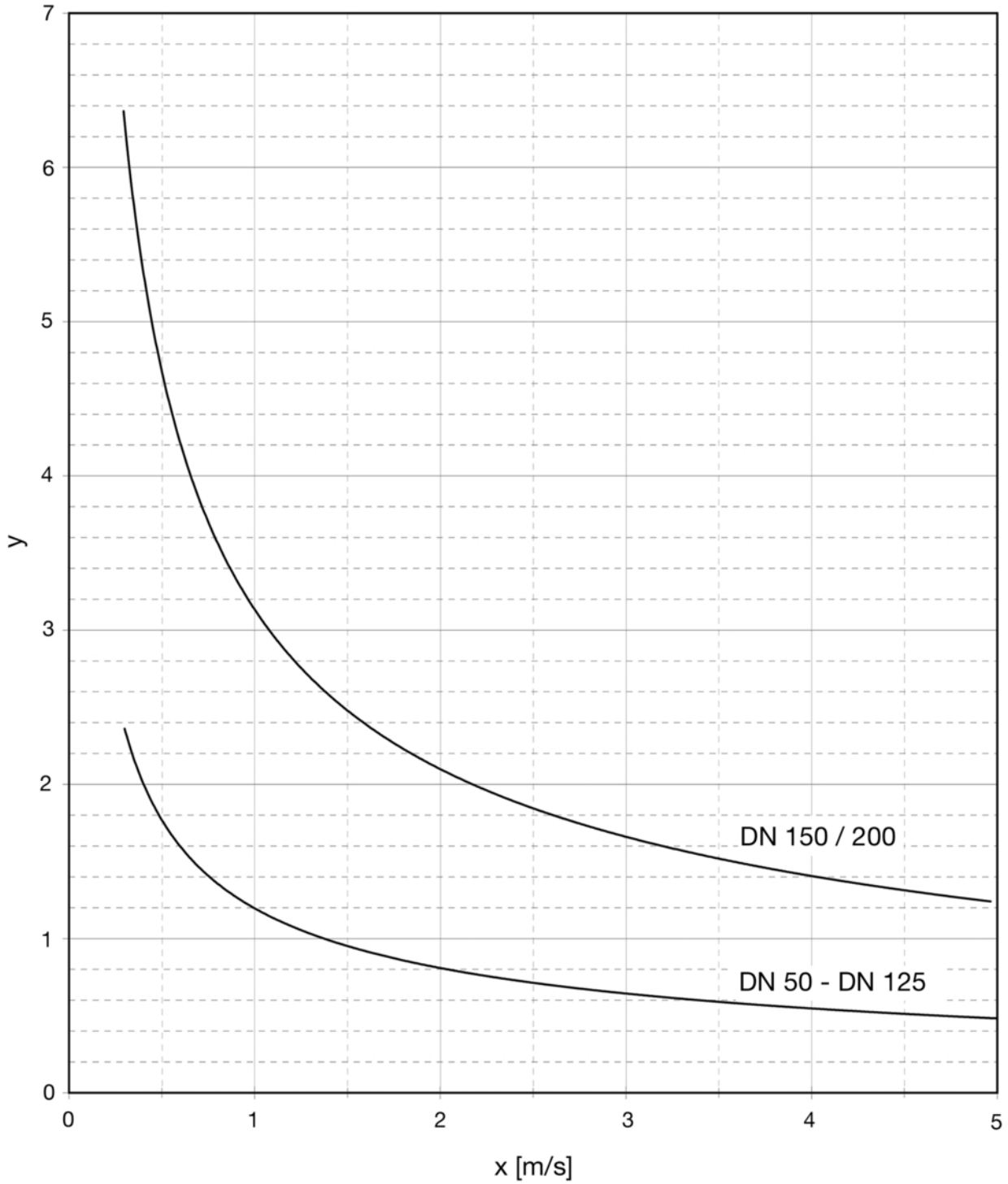
x: Flow velocity [m/s]
y: Flow resistance coefficient ζ

We reserve the right to make technical changes and use similar or higher-quality materials. Drawings are non-binding. • www.vag-group.com
Edition KAT-A_2449_KRV_Edition1_08-02-2021_EN

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