



PN 10/16 - DN 40...400

KAT-A 1543

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
- Compact design
- Optimum damping of pressure surges via pre-stressed, elastic diaphragm
- Very quick and low noise closing
- No mechanically moving parts
- Installation in any position
- With two threaded plugs for mounting a bypass

Materials

- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Flow guide: Ductile iron EN-GJS 400-15 (GGG-40)
- Circular diaphragm: EPDM

Corrosion protection

- Internally and externally epoxy coated acc. to GSK guidelines

Field of application

- Installation in plants



Tests and approvals

- Final inspection test according to 1074-3, EN 12266-1 (leakage rate A)
- Elastomers approved acc. to W270

Note

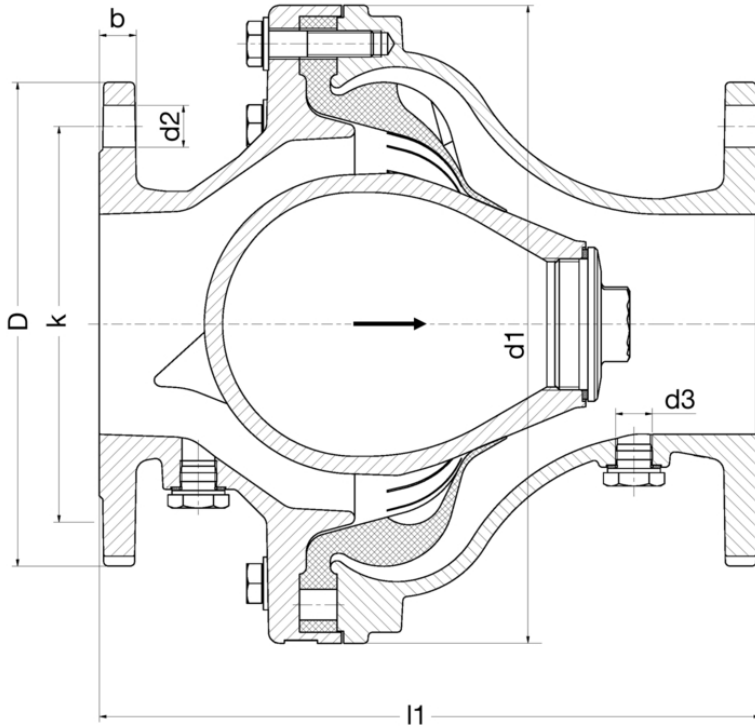
For proper installation and safe operation please follow the installation and operation instructions:
KAT-B 1543

Field of application

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
40...300	16	16	50
200...400	10	10	50



Drawing



Technical data

PN 10

DN		200	250	300	350	400
D	[mm]	340	400	455	505	565
b	[mm]	20	22	24.5	30	32
Thread d3	[inch]	3/8	1/2	3/4	3/4	3/4
k	[mm]	295	350	400	460	515
Diaphragm size		5	6	7	8	9
d1	[mm]	378	448	552	645	720
d2	[mm]	23	23	23	22	26
l1	[mm]	500	600	700	800	900
No. of holes		8	12	12	16	16
Weight approx.	[kg]	69.50	110.00	172.50	280.00	390.00
Volume approx.	[m ³]	0.08	0.13	0.235	0.365	0.51

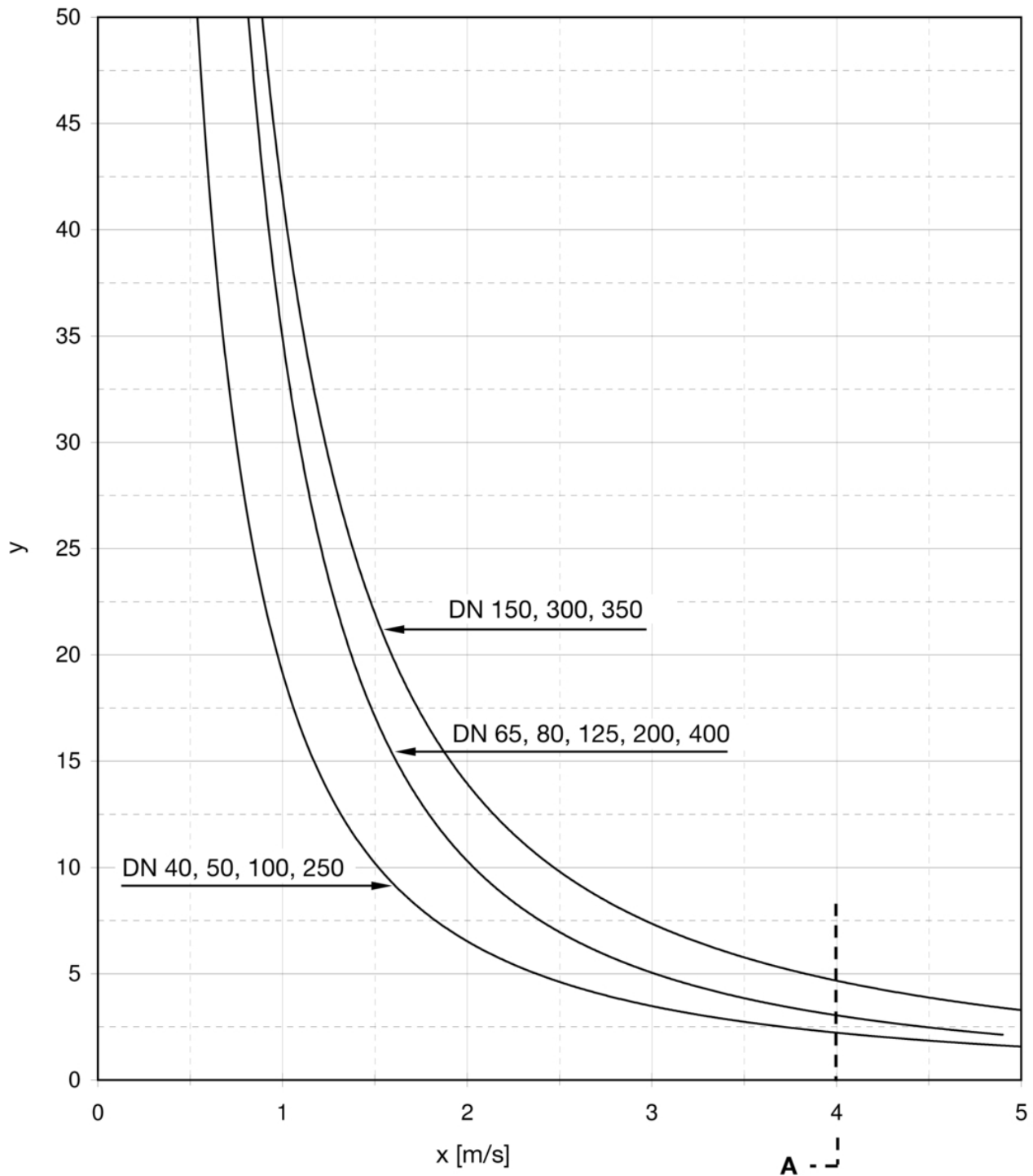
PN 16

DN		40	50	65	80	100	125	150	200	250	300
D	[mm]	150	165	185	200	220	250	285	340	400	455
b	[mm]	19	19	19	19	19	19	19	20	22	24.5
Thread d3	[inch]	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	1/2	3/4
k	[mm]	110	125	145	160	180	210	240	295	355	410
Diaphragm size		1	2	3	3	4	4	4	5	6	7
d1	[mm]	150	175	220	220	290	290	290	378	448	552
d2	[mm]	19	19	19	19	19	19	23	23	28	28
l1	[mm]	180	200	240	260	300	350	400	500	600	700
No. of holes		4	4	4	8	8	8	8	12	12	12
Weight approx.	[kg]	8.70	11.00	16.90	18.00	28.30	32.50	38.00	69.50	110.00	172.50
Volume approx.	[m ³]	0.005	0.007	0.01	0.014	0.016	0.035	0.04	0.08	0.13	0.235



Further information

Flow resistance coefficient



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