



## PN 10/16 - DN 50...600

KAT-A 1332-A-Lug

## Product characteristics and benefits

- Resilient seated in accordance with EN 593
- Face-to-face length acc. to EN 558, basic series 20 (DIN 3202 / K1)
- Lug-type for flanges acc. to EN 1092-2
- Centric disk, mounted in three maintenance-free bearing bushes
- For bolting between pipe flanges
- As end-of-line valve for flange connection to pipeline flanges. Operation only permissible with suitable counter-flange.
  - DN 50-300: 16 bar
  - DN 350-400: 14 bar
  - DN 450-600: 10 bar
- Replaceable rubber sleeve with integrated seal for functionally reliable use for flared flanges, welding flanges, PE flanges as well as loose flanges with V-collar
- Stable sealing seat due to collar with vulcanized support ring
- Vacuum tight up to 0,2 bar absolute
- Tight in both flow directions
- Triple shaft bearing

## Materials

- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Disk: Stainless steel 1.4408
- Shaft end: Stainless steel 1.4021
- Collar: NBR

## Corrosion protection

- Body: Internally and externally epoxy coated

## Versions

- Standard version as described
- With electric actuator
- Infinitely adjustable hand lever
- With pneumatic actuator
- With worm gear unit and handwheel
- with hand lever up to DN 200
- Optimised version for low working pressure 5 bar available

## Field of application

- Installation in plants



## Tests and approvals

- Final inspection test according to EN 12266-1 (leakage rate A)
- DVGW tested and registered

## Operation data

- Maximum flow velocity in fully open position:
  - PN 16: 4 m/s
  - PN 10: 3 m/s

## Note

For proper installation and safe operation please follow the installation and operation instructions:  
KAT-B 1331

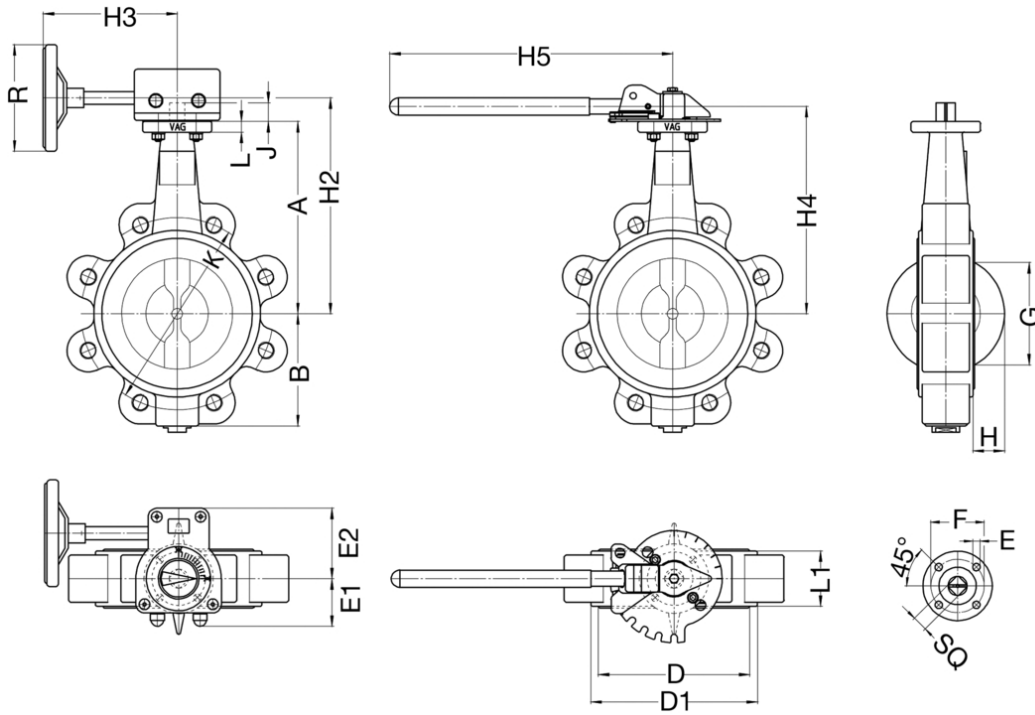
## Field of application

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
50...400	16	16	80
450...600	16	10	80
200...600	10	10	80

PN 16 - DN 450...500 on request



**Drawing**





### Technical data

#### PN 10

DN		200	250	300	350	400	450	500	600
A	[mm]	240	275	300	320	380	400	460	500
D	[mm]	252	301	356	400	450	500	550	645
E	[mm]	10	12	12	14	18	18	22	22
G	[mm]	188	239	288	329	383	412	470	560
L	[mm]	12	14	14	18	21	21	24	24
B	[mm]	175	205	230	270	315	327	365	435
D1	[mm]	268	323	377	430	480	530	582	682
E1	[mm]	56	56	79	79	83	110	110	143
E2	[mm]	75	75	95	95	126	148	148	260
F	[mm]	70	102	102	125	140	140	165	165
H	[mm]	70	91	111	126	149	158	181	214
H2	[mm]	270	305	340	360	420	450	510	555
H3	[mm]	195	195	295	295	380	350	350	390
H4	[mm]	262	-	-	-	-	-	-	-
H5	[mm]	300	-	-	-	-	-	-	-
ISO		F07	F10	F10	F12	F14	F14	F16	F16
J	[mm]	19	24	24	24	29	38	38	48
K	[mm]	295	350	400	460	515	565	620	725
L1	[mm]	60	68	78	78	102	114	127	154
R	[mm]	200	200	300	300	400	500	500	700
SQ	[mm]	17	22	22	22	27	36	36	46
Number of blind thread holes		8	12	12	16	16	20	20	20
Thread M		M20	M20	M20	M20	M24	M24	M24	M27
Weight of valve approx.	[kg]	22.5	26.8	37.4	48	72	98	135	201
Weight with notched hand lever	[kg]	23.5	-	-	-	-	-	-	-
Weight with gearbox approx.	[kg]	24.4	28.7	40.6	53.0	78.0	120.0	157.0	246.0



**Technical data**

**PN 16**

DN		50	65	80	100	125	150	200	250	300	350	400	450
A	[mm]	125	132	140	180	190	220	240	275	300	320	380	400
D	[mm]	87	102	112	142	161	201	252	301	356	400	450	500
E	[mm]	7	7	7	7	7	10	10	12	12	14	18	18
G	[mm]	31	51	69	91	115	149	188	239	288	329	383	412
L	[mm]	10	10	10	10	10	12	12	14	14	18	21	21
B	[mm]	72	80	87	113	123	155	175	205	230	270	315	327
D1	[mm]	98	114	132	156	185	216	268	323	377	435	485	546
E1	[mm]	48	48	48	48	48	48	56	56	79	79	83	110
E2	[mm]	66	66	66	66	66	66	75	75	95	95	126	148
F	[mm]	50	50	50	50	50	70	70	102	102	125	140	140
H	[mm]	5	12	19	27	37	52	70	91	111	126	149	158
H2	[mm]	155	160	170	210	220	250	270	305	340	360	420	450
H3	[mm]	120	120	120	120	120	180	195	195	295	295	380	350
H4	[mm]	140	146	155	195	205	238	258	-	-	-	-	-
H5	[mm]	225	225	225	225	225	305	305	-	-	-	-	-
ISO		F05	F05	F05	F05	F05	F07	F07	F10	F10	F12	F14	F14
J	[mm]	12	12	12	16	16	19	19	24	24	24	29	38
K	[mm]	125	145	160	180	210	240	295	355	410	470	525	585
L1	[mm]	43	46	46	52	56	56	60	68	78	78	102	114
R	[mm]	125	125	125	125	125	200	200	200	300	300	400	500
SQ	[mm]	11	11	11	14	14	17	17	22	22	22	27	36
Number of blind thread holes		4	4	8	8	8	8	12	12	12	16	16	20
Thread M		M16	M16	M16	M16	M16	M20	M20	M24	M24	M24	M27	M27
Weight of valve approx.	[kg]	2.7	3.2	4.3	6	7.3	9.5	22.5	26.8	37.4	48	72	98
Weight with notched hand lever	[kg]	3.4	3.8	5.0	7.1	8.0	10.5	23.5	-	-	-	-	-
Weight with gearbox approx.	[kg]	4.0	4.5	5.6	7.3	8.6	10.9	24.4	28.7	40.6	53.0	78.0	120.0

**PN 16**

DN		500	600
A	[mm]	460	500
D	[mm]	550	645
E	[mm]	22	22
G	[mm]	470	560
L	[mm]	24	24
B	[mm]	365	435
D1	[mm]	606	720
E1	[mm]	110	143
E2	[mm]	148	260
F	[mm]	165	165
H	[mm]	181	214
H2	[mm]	510	555
H3	[mm]	350	390
ISO		F16	F16
J	[mm]	38	48
K	[mm]	650	770
L1	[mm]	127	154
R	[mm]	500	700
SQ	[mm]	36	46
Number of blind thread holes		20	20
Thread M		M30	M33
Weight of valve approx.	[kg]	135	201
Weight with gearbox approx.	[kg]	157.0	246.0