

VAG CEREX® 300-W Butterfly Valve

disk made of cast iron - wafer-type



Water

PN 10/16 - DN 50...600

KAT-A 1331-W-Gu-Wafer



Product characteristics and benefits

- Resilient seated in accordance with EN 593
- Face-to-face length acc. to EN 558-1, basic series 20 (DIN 3202 / K1)
- Wafer-type for flanges acc. to EN 1092-2
- Centric disk, mounted in three maintenance-free bearing bushes
- For installation between pipe flanges
- 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 1 Torr
- Tight in both flow directions
- With bare shaft and actuator flange connection acc. to ISO 5211

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Disk: Ductile cast iron EN-JS 1030 (GGG-40)
- Shaft end: Stainless steel 1.4021
- Collar: EPDM

Corrosion protection

- Body: Inside and outside epoxy coating
- Disk: Epoxy coating

Versions

- Standard version as described
- With notched hand lever
- With electric actuator
- With pneumatic actuator
- With worm gear unit and handwheel
- Bigger sizes available on request
- Collar of NBR

Field of Application

- Installation in plants

Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)
- DVGW tested and registered
- Elastomers approved acc. to W270

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...600	16	16	50
200...600	10	10	50

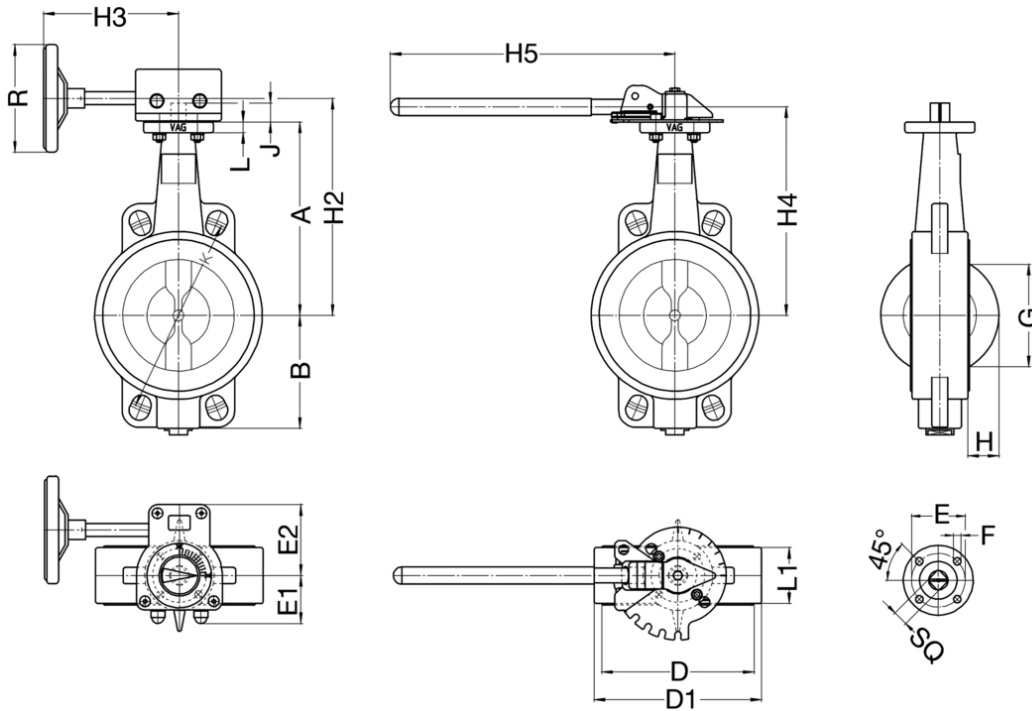
Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
24	18
15	11

PN 16 - DN 450...600 on request



Drawing



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
B	[mm]	65	73	80	109	119	150	169	200	225	270	315	325
D	[mm]	87	102	112	142	161	201	252	301	356	400	450	500
D1	[mm]	98	114	132	156	185	216	286	322	377	430	480	530
E	[mm]	8	8	8	8	8	10	10	12	12	14	18	18
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
G	[mm]	31	51	69	91	115	149	188	239	288	329	383	412
H	[mm]	5	12	19	27	37	52	70	91	111	126	149	157
H2	[mm]	147	157	162	202	218	243	267	312	330	358	420	448
H3	[mm]	126	126	126	126	126	188	203	203	227	376	386	336
H4	[mm]	147	154	162	202	212	242	262	-	-	-	-	-
H5	[mm]	225	225	225	225	225	300	300	-	-	-	-	-
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
L	[mm]	10	10	10	10	10	12	12	14	14	15	17	19
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	400	400	400
SQ	[mm]	11	11	11	14	14	17	17	22	22	22	27	36
Number of assembling holes		4	4	4	4	4	4	4	4	4	4	4	4
Weight of valve approx.	[kg]	2.5	3.1	4	5.1	7	8.9	18.5	22.3	34.8	43	62	90
Weight with notched hand lever	[kg]	3.2	3.8	4.6	5.8	7.6	9.9	19.5	-	-	-	-	-
Weight with gearbox approx.	[kg]	3.8	4.4	5.3	6.4	8.3	10.3	20.4	24.2	37.7	48.0	68.0	112.0

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Water

Technical data

PN 16

DN		500	600
A	[mm]	460	540
B	[mm]	360	425
D	[mm]	550	645
D1	[mm]	585	682
E	[mm]	22	22
E1	[mm]	110	143
E2	[mm]	148	260
F	[mm]	165	165
G	[mm]	470	560
H	[mm]	181	214
H2	[mm]	508	595
H3	[mm]	336	377
ISO		F16	F16
J	[mm]	38	48
K	[mm]	650	770
L	[mm]	19	21
L1	[mm]	127	154
R	[mm]	400	400
SQ	[mm]	36	46
Number of threaded holes		4	4
Weight of valve approx.	[kg]	125	185
Weight with gearbox approx.	[kg]	147.0	230.0

PN 10

DN		200	250	300	350	400	450	500	600
A	[mm]	240	275	300	320	380	400	460	540
B	[mm]	169	200	225	270	315	325	360	425
D	[mm]	252	301	356	400	450	500	550	645
D1	[mm]	286	322	377	430	480	530	585	682
E	[mm]	10	12	12	14	18	18	22	22
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
G	[mm]	188	239	288	329	383	412	470	560
H	[mm]	70	91	111	126	149	157	181	214
H2	[mm]	267	312	330	358	420	448	508	595
H3	[mm]	203	203	227	376	386	336	336	377
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
L	[mm]	12	14	14	15	17	19	19	21
L1	[mm]	60	68	78	78	102	114	127	154
R	[mm]	200	200	300	400	400	400	400	400
SQ	[mm]	17	22	22	22	27	36	36	46
Number of assembling holes		4	4	4	4	4	4	-	-
Number of threaded holes		-	-	-	-	-	-	4	4
Weight of valve approx.	[kg]	18.5	22.3	34.8	43	62	90	125	185
Weight with notched hand lever	[kg]	19.5	-	-	-	-	-	-	-
Weight with gearbox approx.	[kg]	20.4	24.2	37.7	48.0	68.0	112.0	147.0	230.0