



PN 10/16 - DN 50...600

KAT-A 1332-L-PA

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)
- 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 1 Torr
- Tight in both flow directions
- With double-acting VAG PAssec Pneumatic Actuator including solenoid valve (5/2-way) and limit switch box with Open/Closed position indicator

Materials

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

Corrosion protection

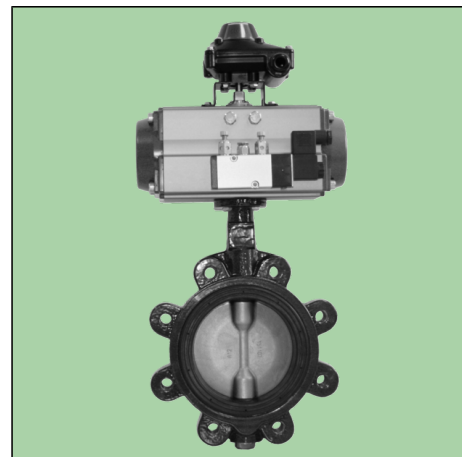
- Body: Internally and externally epoxy coated
- Disk: Epoxy coated

Versions

- Standard version as described
- With Positioner
- Disk:
 - Stainless steel 1.4408
 - Aluminium bronze 2.0975
 - HALAR® ECTFE Fluoropolymer coating
 - RILSAN® polyamide 11 coating
 - Vitreous enamel glass coating
- Collar of NBR (waste water)
- Optimised version for low working pressure 5 bar available

Field of application

- Installation in plants



Tests and approvals

- Final inspection test acc. to EN 12266
- DVGW tested and registered
- Elastomers approved acc. to W270

Operation data

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

Note

For further information about our VAG PAssec Pneumatic Actuator, please refer to the separate documentation of the actuator "VAG PAssec Pneumatic Actuator"

For proper installation and safe operation please follow the installation and operation instructions:

VAG PAssec Pneumatic Actuator

Operating conditions

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for medium [°C]
50...500	16	16	50
200...600	10	10	50

PN 16 - DN 600 only on request

Pressure test acc. to EN 12266

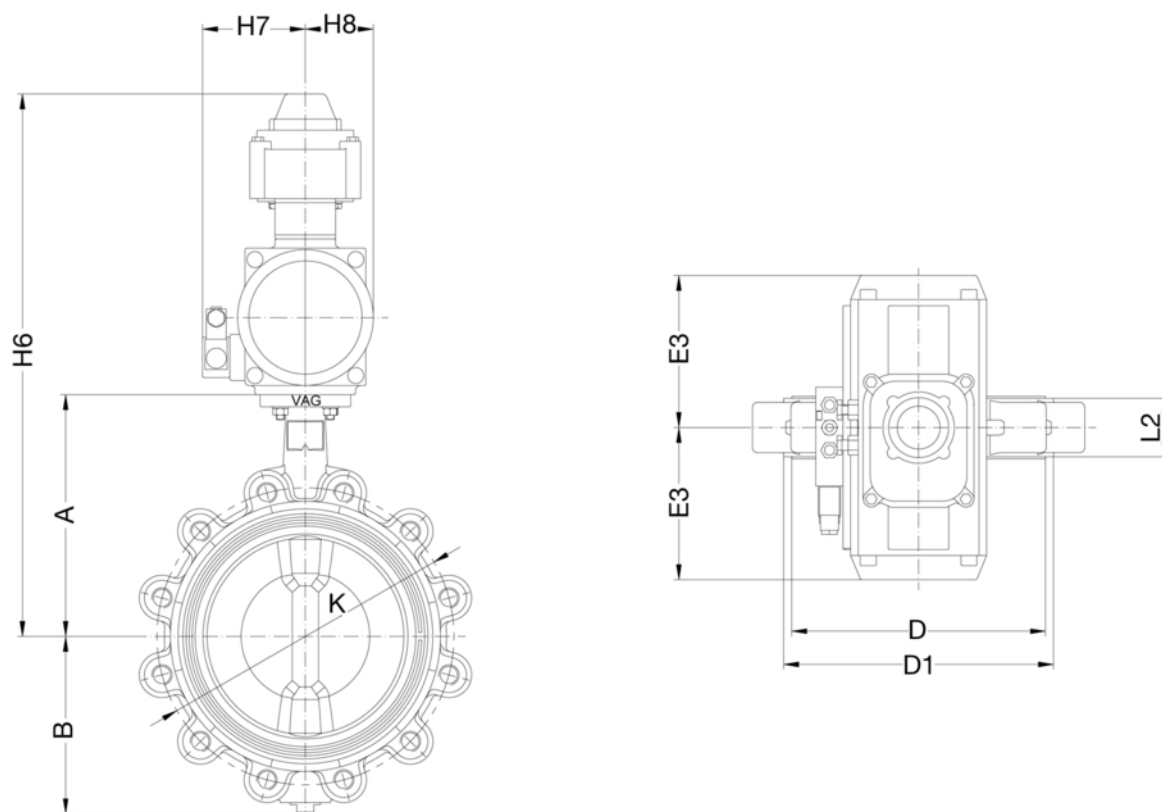
Test pressure body with water [bar]	Test pressure seat with water [bar]
24	18
15	11

VAG CEREX® 300-L Butterfly Valve with mounted VAG PAssec Pneumatic Actuator



Water Wastewater

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
B	[mm]	175	205	230	270	315	327	365	435
D1	[mm]	268	322	377	430	480	530	585	682
E3	[mm]	151	195	195	229	266	266	361	361
H6	[mm]	529	581	606	651	769	789	920	960
H7	[mm]	102	104	104	114	140	140	181	181
H8	[mm]	68	75	75	75	113	113	147	147
ISO		F07	F10	F10	F12	F14	F14	F16	F16
K	[mm]	295	350	400	460	515	565	620	725
L2	[mm]	60	68	78	78	102	114	127	154
Number of blind thread holes		8	12	12	16	16	20	20	20
Thread M		M20	M20	M20	M20	M24	M24	M24	M27
PAssec type		300-DA	515-DA	515-DA	800-DA	1600-DA	1600-DA	2300-DA	3500-DA
Weight with actuator approx.	[kg]	31.5	38.8	49.4	67.0	116.1	142.1	223.6	294.6



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
B	[mm]	72	80	87	113	123	155	175	205	230	270	315	327
D1	[mm]	98	114	132	156	185	216	268	322	377	430	480	530
E3	[mm]	74	84	84	92	131	134	151	195	229	229	266	301
H6	[mm]	293	316	324	376	403	487	529	581	631	651	769	823
H7	[mm]	69	74	74	80	86	91	102	104	114	114	140	157
H8	[mm]	30	36	36	42	50	58	68	75	87	87	113	130
ISO		F05	F05	F05	F05	F05	F07	F07	F10	F10	F12	F14	F14
K	[mm]	125	145	160	180	210	240	295	355	410	470	525	585
L2	[mm]	43	46	46	52	56	56	60	68	78	78	102	114
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
PAssec type		24-DA	44-DA	44-DA	60-DA	135-DA	200-DA	300-DA	515-DA	800-DA	1275-DA	1600-DA	2300-DA
Weight with actuator approx.	[kg]	4.1	5.3	6.4	8.7	12.3	15.4	31.5	38.8	56.3	75.9	116.1	157.0

PN 16

DN		500
A	[mm]	460
D	[mm]	550
B	[mm]	365
D1	[mm]	585
E3	[mm]	361
H6	[mm]	920
H7	[mm]	181
H8	[mm]	147
ISO		F16
K	[mm]	650
L2	[mm]	127
Number of blind thread holes		20
Thread M		M30
PAssec type		3500-DA
Weight with actuator approx.	[kg]	228.6