Water
Wastewater
Sea water

VAG EKO®*plus* Gate Valve with electric actuator

resilient seated - long face-to-face length

PN 10/16/25 - DN 40...600

KAT-A 1030-F5-EA

Product characteristics and benefits

- Resilient seated in accordance with EN 1074 (DIN 3352 - 4B)
- Face-to-face length acc. to EN 558-1, basic series 15 (DIN 3202, F5)
- With flange ends on both sides acc. to EN 1092-2
- Low operating torque due to plastic sliding guides on the wedge
- With electric actuator
- Maintenance-free and corrosion-resistant stem sealing
- With triple O-ring sealing
- Low wear due to wedge guiding and elongated stem bearing
- Suitable for vacuum of up to 90%

Materials

- Body: Ductile iron EN-GJS-400-15 (GGG-40)
- Bonnet: Ductile iron EN-GJS-400-15 (GGG-40)
- Wedge: Ductile iron EN-GJS-400-15 (GGG-40) encapsuled with EPDM vulcanized (water/sea water), for Wastewater encapsuled with NBR vulcanized
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4021 (water)
- Stem nut: Brass (water)

Corrosion protection

- Internally and externally epoxy coated acc. to GSK guidelines

Versions

- Standard version as described
- Stem made of stainless steel 1.4057, stem nut made of bronze and wedge made of ductile iron EN-GJS-400-15 (GGG-40), NBR coated all over
- Stem made of stainless steel 1.4462, stem nut made of bronze and wedge made of ductile iron EN-GJS-400-15 (GGG-40), EPDM coated all over

Field of application

- Chamber installation
- Installation in plants

Tests and approvals

- Final inspection test acc. to EN 12266
- DVGW tested and registered
- Elastomers approved according to W 270 (EPDM)

Note

For PN 25 flange connections, the maximum admissible differential pressure is 16 bar!

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]
40...500	25	25	50
40...600	16	16	50
200...600	10	10	50

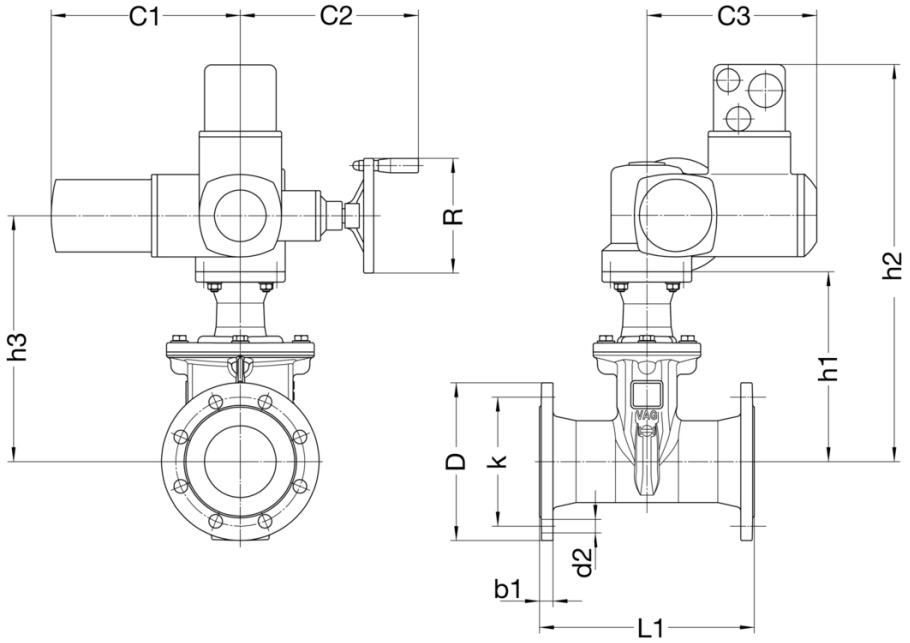
For PN 25 flange connections, the maximum admissible differential pressure is 16 bar!

Pressure test acc. to EN 12266

Test pressure body with water [bar]	Test pressure seat with water [bar]
38	28
24	17.6
15	11

Edition KAT-A_1030-F5-EA_EKOplus-F5-EA_Edition6_28-10-2016_EN

Drawing



Technical data

PN 10

DN		40	50	65	80	100	125	150	200	250	300	350	400
D	[mm]	150	165	185	200	220	250	285	340	405	460	520	580
k	[mm]	110	125	145	160	180	210	240	295	350	400	460	515
C1	[mm]	264	264	264	264	264	264	264	276	276	276	383	383
C2	[mm]	186	186	186	186	186	186	186	189	189	189	230	230
C3	[mm]	237	237	237	237	237	237	237	247	247	247	285	285
L1	[mm]	240	250	270	280	300	325	350	400	450	500	550	600
R	[mm]	160	160	160	160	160	160	160	200	200	200	315	400
b1	[mm]	19	19	19	19	19	19	19	20	22	25	27	29
d2	[mm]	19	19	19	19	19	19	23	23	23	23	23	28
h1	[mm]	192	193	231	236	265	303	342	498	604	668	846	919
h2	[mm]	465	466	504	509	538	576	615	773	879	943	1161	1234
h3	[mm]	270	270	309	314	343	381	420	578	684	748	956	1029
No. of holes		4	4	4	8	8	8	8	8	12	12	16	16
Turns/stroke		10	12	16	20	20	25	30	34	43	51	59	50

PN 10

DN		500	600
D	[mm]	670	780
k	[mm]	620	725
C1	[mm]	389	389
C2	[mm]	339	339
C3	[mm]	286	286
L1	[mm]	700	800
R	[mm]	400	400
b1	[mm]	26.5	30
d2	[mm]	28	31
h1	[mm]	1070	1070
h2	[mm]	1386	1386
h3	[mm]	1160	1160
No. of holes		20	20
Turns/stroke		64	64

Technical data

PN 16

DN		40	50	65	80	100	125	150	200	250	300	350	400
D	[mm]	150	165	185	200	220	250	285	340	405	460	520	580
k	[mm]	110	125	145	160	180	210	240	295	355	410	470	525
C1	[mm]	264	264	264	264	264	264	264	276	276	276	383	383
C2	[mm]	186	186	186	186	186	186	186	189	189	189	230	230
C3	[mm]	237	237	237	237	237	247	247	247	285	285	285	285
L1	[mm]	240	250	270	280	300	325	350	400	450	500	550	600
R	[mm]	160	160	160	160	160	200	200	200	315	315	315	400
b1	[mm]	19	19	19	19	19	19	19	20	22	25	27	29
d2	[mm]	19	19	19	19	19	19	23	23	28	28	28	31
h1	[mm]	192	193	231	236	265	303	342	498	562	626	846	919
h2	[mm]	465	466	504	509	538	578	617	773	877	941	1161	1234
h3	[mm]	270	270	309	314	343	381	420	578	684	748	956	1029
No. of holes		4	4	4	8	8	8	8	12	12	12	16	16
Turns/stroke		10	12	16	20	20	25	30	34	43	51	59	50

PN 16

DN		500	600
D	[mm]	715	840
k	[mm]	650	720
C1	[mm]	389	389
C2	[mm]	339	339
C3	[mm]	286	286
L1	[mm]	700	800
R	[mm]	400	400
b1	[mm]	31.5	36
d2	[mm]	34	37
h1	[mm]	1070	1070
h2	[mm]	1386	1386
h3	[mm]	1160	1160
No. of holes		20	20
Turns/stroke		64	64

PN 25

DN		40	50	65	80	100	125	150	200	250	300	400	500
D	[mm]	150	165	185	200	235	270	300	360	425	485	620	730
k	[mm]	110	125	145	160	190	220	250	310	370	430	550	660
C1	[mm]	264	264	264	264	264	264	264	276	276	276	383	389
C2	[mm]	186	186	186	186	186	186	186	189	189	189	230	339
C3	[mm]	237	237	237	237	237	247	247	247	285	285	285	286
L1	[mm]	240	250	270	280	300	325	350	400	450	500	600	700
R	[mm]	160	160	160	160	160	200	200	200	315	315	400	400
b1	[mm]	19	19	19	19	19	19	20	22	24.5	27.5	32	36.5
d2	[mm]	19	19	19	19	23	28	28	28	31	31	37	37
h1	[mm]	192	193	231	236	265	303	342	498	562	626	919	1070
h2	[mm]	465	466	504	509	538	578	617	773	877	941	1234	1386
h3	[mm]	270	270	309	314	343	381	420	578	684	748	1029	1160
No. of holes		4	4	8	8	8	8	8	12	12	16	16	20
Turns/stroke		10	12	16	20	20	25	30	34	43	51	50	64

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