



PN 10/16 - DN 40...600

KAT-A 1030-F4-EA

Product characteristics and benefits

- Resilient seated in accordance with EN 1074 (DIN 3352 - 4A)
- Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)
- 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 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...600	16	16	50
200...600	10	10	50

Pressure test acc. to EN 12266

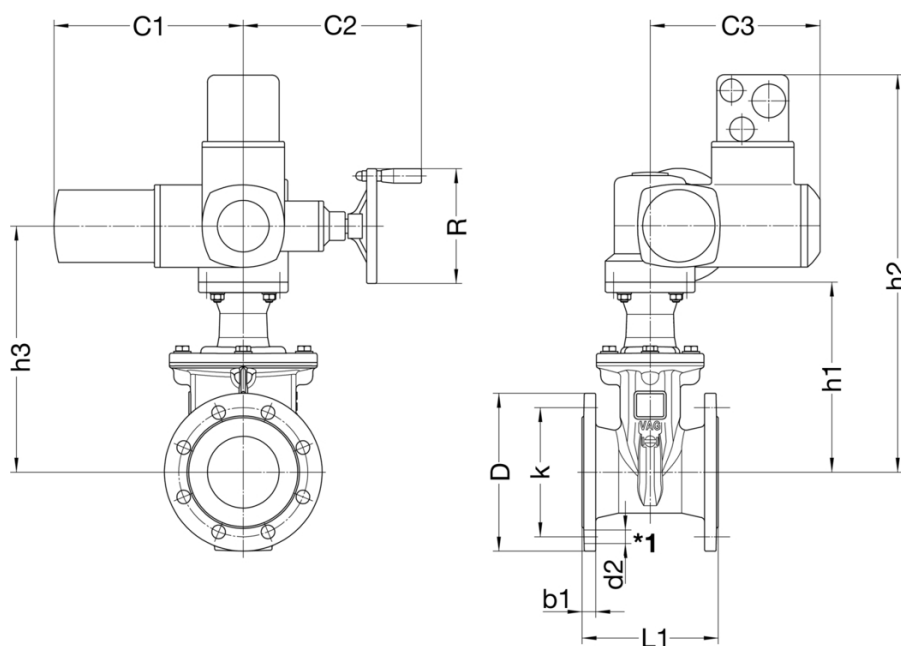
Test pressure body with water [bar]	Test pressure seat with water [bar]
24	17.6
15	11

VAG EKO®*plus* Gate Valve with electric actuator

resilient seated - short face-to-face length

Water
Wastewater
Sea water

Drawing



*1: For size DN 400, attach the two upper flange connection screws with nuts to DIN 439/B (flat form).

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]	140	150	170	180	190	200	210	230	250	270	290	310
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]	350	390
R	[mm]	400	400
b1	[mm]	26.5	30
d2	[mm]	28	31
h1	[mm]	1070	1233
h2	[mm]	1386	1549
h3	[mm]	1160	1323
No. of holes		20	20
Turns/stroke		64	75.5



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]	140	150	170	180	190	200	210	230	250	270	290	310
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]	350	390
R	[mm]	400	400
b1	[mm]	31.5	36
d2	[mm]	34	37
h1	[mm]	1070	1233
h2	[mm]	1386	1549
h3	[mm]	1060	1323
No. of holes		20	20
Turns/stroke		64	75.5