

PN 10/16 - DN 40...600

KAT-A 1030-1033-F4-prep-EA

Product characteristics and benefits

- Resilient seated in accordance with EN 1074 (DIN 3352 - 4A)
- Face-to-face length acc. to EN 558, 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
- Prepared for 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) encapsulated with EPDM vulcanized (water/sea water), for Wastewater encapsulated with NBR vulcanized
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4057
- 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 according to EN 12266-1 (leakage rate A)
- 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:

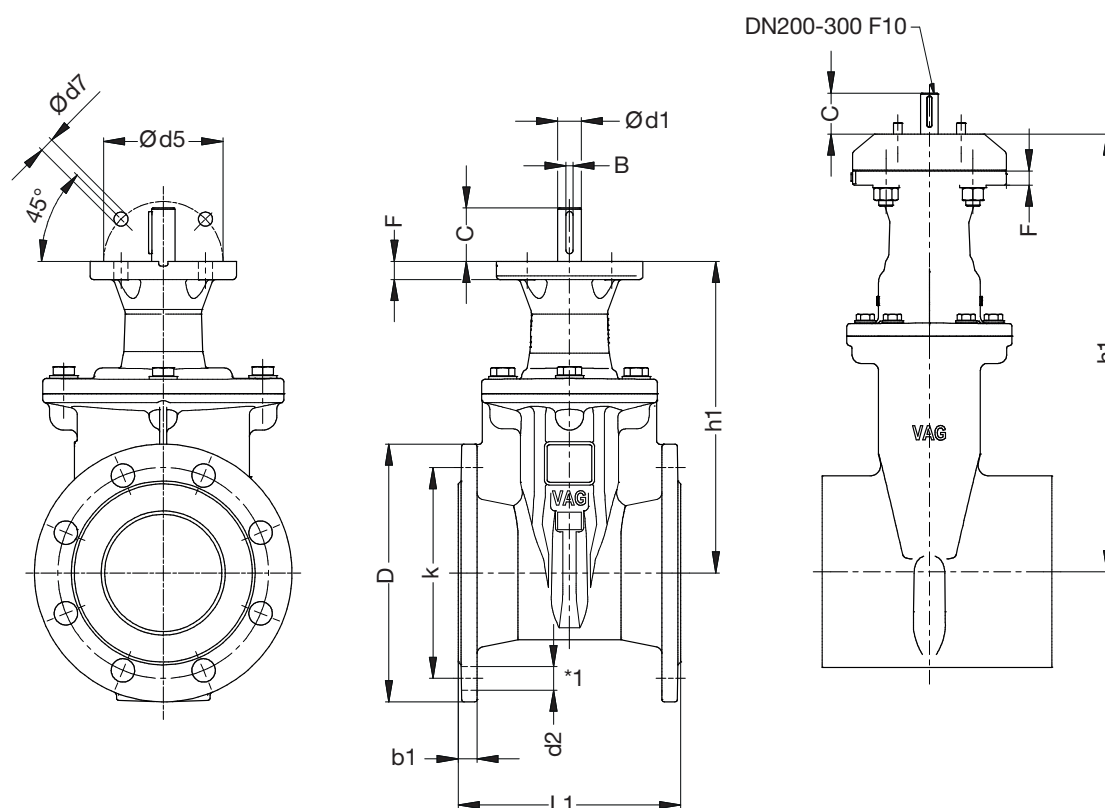
“Installation and Operating Instructions for Valves”

Field of application

DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
40...600	16	16	50
40...600	10	10	50

* Stem material will be changed from 1.4021 to 1.4057

Drawing



*1: For DN 400 fix both upper flange connection screws with nuts acc. DIN 439/B (flat shape)
DN 500 and 600 with bypass DN 40

Technical data

PN 10

DN		40	50	65	80	100	125	150	200	250	300	350	400
C	[mm]	45	45	45	45	45	45	45	45	65	65	65	63
D	[mm]	150	165	185	200	220	250	285	340	400	455	520	580
k	[mm]	110	125	145	160	180	210	240	295	350	400	460	515
B	[mm]	6	6	6	6	6	6	6	6	6	6	8	8
F	[mm]	15	15	15	15	15	15	15	16	16	16	25	25
L1	[mm]	140	150	170	180	190	200	210	230	250	270	290	310
b1	[mm]	19	19	19	19	19	19	19	20	22	24.5	26.5	28
d1	[mm]	20	20	20	20	20	20	20	20	20	20	30	30
d2	[mm]	19	19	19	19	19	19	23	23	23	23	23	28
d5	[mm]	102	102	102	102	102	102	102	102	102	102	140	140
d7	[mm]	12	12	12	12	12	12	12	12	12	12	18	18
h1	[mm]	192	197	232	237	266	303	342	498	605	669	846	920
No. of holes		4	4	4	8	8	8	8	8	12	12	16	16
Turns/stroke		12	14.5	20.5	21.5	21.5	26.5	32	34	43	51	59	50
Actuator type		SA07.6	SA07.6	SA07.6	SA07.6	SA07.6	SA07.6	SA07.6	SA07.6	SA10.2	SA10.2	SA14.2	SA14.6
Connection ISO 5210		F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F14	F14
Weight approx.	[kg]	10.00	11.30	15.00	17.50	21.00	28.30	35.50	62.00	93.50	121.50	256.00	320.00

DN 500 and 600 with reduced opening

Technical data

PN 10

DN		500	600
C	[mm]	63	63
D	[mm]	670	780
k	[mm]	620	725
B	[mm]	8	8
F	[mm]	25	25
L1	[mm]	350	390
b1	[mm]	26.5	30
d1	[mm]	30	30
d2	[mm]	28	31
d5	[mm]	140	140
d7	[mm]	18	18
h1	[mm]	1070	1233
No. of holes		20	20
Turns/stroke		64	64
Actuator type		SA14.6	SA14.6
Connection ISO 5210		F14	F14
Weight approx.	[kg]	426.50	705.00

DN 500 and 600 with reduced opening

PN 16

DN		40	50	65	80	100	125	150	200	250	300	350	400
C	[mm]	45	45	45	45	45	45	45	45	65	65	65	63
D	[mm]	150	165	185	200	220	250	285	340	400	455	520	580
k	[mm]	110	125	145	160	180	210	240	295	355	410	470	525
B	[mm]	6	6	6	6	6	6	6	6	8	8	8	8
F	[mm]	15	15	15	15	15	15	15	16	16	16	25	25
L1	[mm]	140	150	170	180	190	200	210	230	250	270	290	310
b1	[mm]	19	19	19	19	19	19	19	20	22	24.5	26.5	28
d1	[mm]	20	20	20	20	20	20	20	20	30	30	30	30
d2	[mm]	19	19	19	19	19	19	23	23	28	28	28	31
d5	[mm]	102	102	102	102	102	102	102	102	140	140	140	140
d7	[mm]	12	12	12	12	12	12	12	12	19	19	18	18
h1	[mm]	192	197	232	237	266	303	342	498	563	627	846	920
No. of holes		4	4	4	8	8	8	8	12	12	12	16	16
Turns/stroke		12	14.5	20.5	21.5	21.5	26.5	32	34	43	51	59	50
Actuator type		SA07.6	SA07.6	SA07.6	SA07.6	SA07.6	SA10.2	SA10.2	SA10.2	SA14.2	SA14.2	SA14.2	SA14.6
Connection ISO 5210		F10	F10	F10	F10	F10	F10	F10	F10	F14	F14	F14	F14
Weight approx.	[kg]	10.00	11.30	15.00	17.50	21.00	28.30	35.50	60.50	89.00	117.00	254.00	320.00

DN 500 and 600 with reduced opening

Technical data

PN 16

DN		500	600
C	[mm]	63	63
D	[mm]	715	840
k	[mm]	650	720
B	[mm]	8	8
F	[mm]	25	25
L1	[mm]	350	390
b1	[mm]	31.5	36
d1	[mm]	30	30
d2	[mm]	34	37
d5	[mm]	140	140
d7	[mm]	18	18
h1	[mm]	1070	1233
No. of holes		20	20
Turns/stroke		64	64
Actuator type		SA14.6	SA14.6
Connection ISO 5210		F14	F14
Weight approx.	[kg]	462.50	788.00

DN 500 and 600 with reduced opening