



PN 10/16 - DN 40...600

KAT-A 1030-F4-W

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 torque due to plastic sliding caps on the wedge
- 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 cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) all around EPDM vulcanized
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4021
- Stem nut: Brass

Corrosion protection

- Inside and outside epoxy coating acc. to GSK guidelines

Versions

- Standard version as described
- With handwheel
- Prepared for electric actuator
- With electric actuator

Field of Application

- Underground installation
- Chamber installation
- 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

Accessories

- T-key
- Installation equipment
- Extension spindle
- Surface box cast iron
- Plastic base plate
- SERIO[®]plus position indicator

Note

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

“Installation and Operating Instructions for Valves”

Field of application

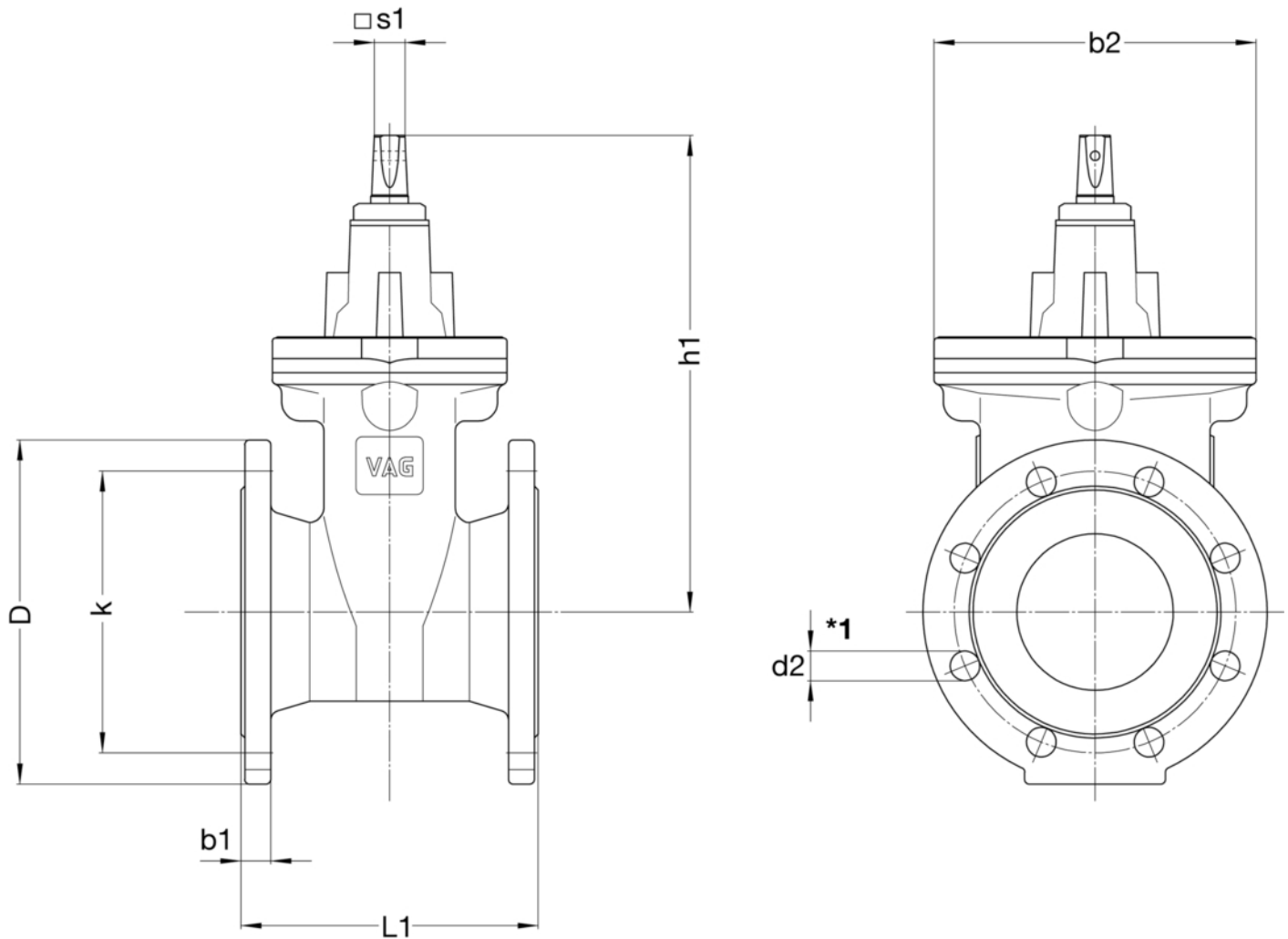
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
40...500	16	16	50
200...600	10	10	50

Pressure test acc. to EN 12266

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



Drawing



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

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	400	455	520	580
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	28.5
b2 [mm]	121	121	206	206	206	228	252	330	413	472	619	619
d2 [mm]	19	19	19	19	19	19	23	23	28	28	28	31
h1 [mm]	226	233	273	278	310	347	386	493	606	670	852	936
k [mm]	110	125	145	160	180	210	240	295	355	410	470	525
□ s1 [mm]	14	14	17	17	19	19	19	24	27	27	27	32
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
Weight approx. [kg]	8.20	9.20	13.50	15.50	17.90	25.70	32.40	52.00	85.50	114.10	247.00	310.00
Volume approx. [m ³]	0.006	0.008	0.013	0.014	0.018	0.024	0.032	0.052	0.084	0.115	0.199	0.235


Technical data
PN 16

DN		500
D	[mm]	715
L1	[mm]	350
b1	[mm]	31.5
b2	[mm]	726
d2	[mm]	34
h1	[mm]	1096
k	[mm]	650
□ s1	[mm]	32
No. of holes		20
Turns/stroke		64
Weight approx.	[kg]	530.00
Volume approx.	[m ³]	0.370

PN 10

DN		200	250	300	350	400	500	600
D	[mm]	340	400	455	520	580	670	780
L1	[mm]	230	250	270	290	310	350	390
b1	[mm]	20	22	24.5	26.5	28.5	31.5	30
b2	[mm]	330	413	472	619	619	726	954
d2	[mm]	23	23	23	23	28	28	31
h1	[mm]	493	606	670	852	936	1096	1289
k	[mm]	295	350	400	460	515	620	725
□ s1	[mm]	24	27	27	27	32	32	36
No. of holes		8	12	12	16	16	20	20
Turns/stroke		34	43	51	59	50	64	75
Weight approx.	[kg]	53.50	86.00	115.00	247.00	310.00	510.00	705.00
Volume approx.	[m ³]	0.052	0.084	0.115	0.199	0.235	0.370	0.816



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

KAT-A 1030-F5-W



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 torque due to plastic sliding caps on the wedge
- 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 cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) all around EPDM vulcanized
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4021
- Stem nut: Brass

Corrosion protection

- Inside and outside epoxy coating acc. to GSK guidelines

Versions

- Standard version as described
- With handwheel
- Prepared for electric actuator, PN 25 on request only
- With electric actuator, PN 25 on request only

Field of Application

- Underground installation
- Chamber installation
- Installation in plants

Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)
- DVGW tested and registered (PN 10/16)
- Elastomers approved acc. to W270

Accessories

- T-key
- Installation equipment
- Extension spindle
- Surface box cast iron
- Plastic base plate
- SERIO[®]plus position indicator

Note

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

“Installation and Operating Instructions for Valves”

Field of application

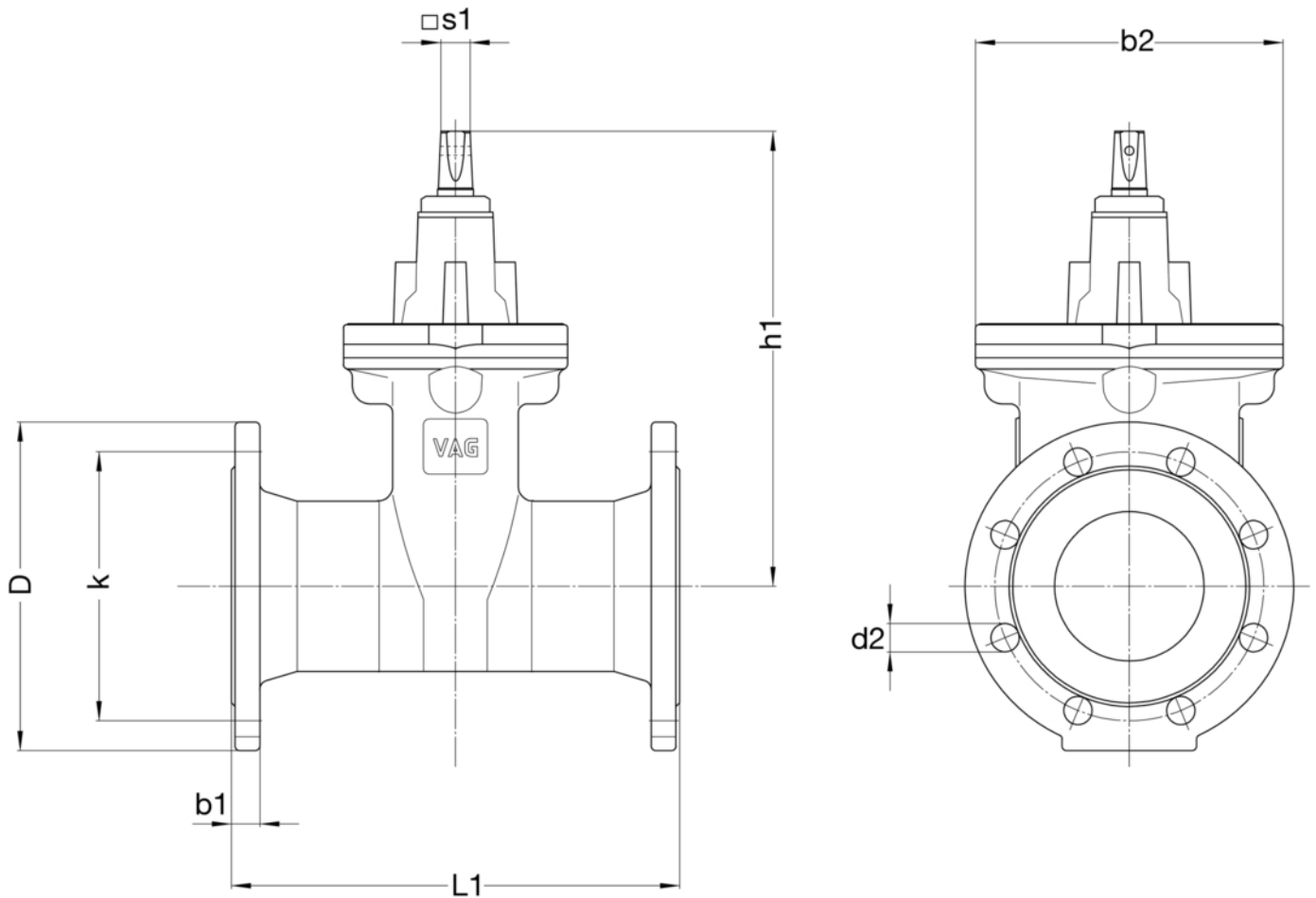
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
40...500	25	25	50
40...500	16	16	50
200...600	10	10	50

Pressure test acc. to EN 12266

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



Drawing



DN 600 - PN 10: Passage as DN 500

Technical data

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
L1	[mm]	240	250	270	280	300	325	350	400	450	500	600	700
b1	[mm]	19	19	19	19	19	19	20	22	24.5	27.5	32	36.5
b2	[mm]	121	121	206	206	206	228	252	330	413	472	619	726
d2	[mm]	19	19	19	19	23	28	28	28	31	31	37	37
h1	[mm]	226	233	273	278	310	347	386	493	606	670	936	1096
k	[mm]	110	125	145	160	190	220	250	310	370	430	550	660
s1	[mm]	14	14	17	17	19	19	19	24	27	27	32	32
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
Weight approx.	[kg]	8.70	9.70	14.50	16.90	22.50	27.80	34.70	56.90	110.50	131.80	337.00	538.00
Volume approx.	[m ³]	0.011	0.013	0.018	0.020	0.028	0.038	0.053	0.090	0.147	0.207	0.426	0.727

VAG EKO[®]plus Gate Valve

resilient-seated - long face-to-face length



Water

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	400	455	520	580
L1	[mm]	240	250	270	280	300	325	350	400	450	500	550	600
b1	[mm]	19	19	19	19	19	19	19	20	22	24.5	26.5	28.5
b2	[mm]	121	121	206	206	206	228	252	330	413	472	619	619
d2	[mm]	19	19	19	19	19	19	23	23	28	28	28	31
h1	[mm]	226	233	273	278	310	347	386	493	606	670	852	936
k	[mm]	110	125	145	160	180	210	240	295	355	410	470	525
s1	[mm]	14	14	17	17	19	19	19	24	27	27	27	32
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
Weight approx.	[kg]	8.70	9.70	14.50	16.90	22.50	27.80	34.70	56.90	97.50	131.80	276.00	348.00
Volume approx.	[m ³]	0.011	0.013	0.018	0.020	0.028	0.038	0.053	0.090	0.147	0.207	0.318	0.426

PN 16

DN		500
D	[mm]	715
L1	[mm]	700
b1	[mm]	31.5
b2	[mm]	726
d2	[mm]	34
h1	[mm]	1096
k	[mm]	650
s1	[mm]	32
No. of holes		20
Turns/stroke		64
Weight approx.	[kg]	538.00
Volume approx.	[m ³]	0.727

PN 10

DN		200	250	300	350	400	500	600
D	[mm]	340	400	455	520	580	715	780
L1	[mm]	400	450	500	550	600	700	800
b1	[mm]	20	22	24.5	26.5	28.5	31.5	30
b2	[mm]	330	413	472	619	619	726	726
d2	[mm]	23	23	23	23	28	28	31
h1	[mm]	493	606	670	852	936	1096	1096
k	[mm]	295	350	400	460	515	620	725
s1	[mm]	24	27	27	27	32	32	32
No. of holes		8	12	12	16	16	20	20
Turns/stroke		34	43	51	59	50	64	64
Weight approx.	[kg]	57.30	99.00	132.30	276.00	348.00	538.00	660.00
Volume approx.	[m ³]	0.090	0.147	0.207	0.318	0.426	0.727	0.927



PN 10/16 - DN 40...400

KAT-A 1030-1033-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 torque due to plastic sliding caps on the wedge
- With electric actuator
- Maintenance-free and corrosion-resistant stem sealing
- Low wear due to wedge guiding and elongated stem bearing
- Suitable for vacuum of up to 90%

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) EPDM coated all over (water/sea water)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4021 (water)
- Stem nut: Brass (water)

Corrosion protection

- Inside and outside epoxy coating 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 cast iron EN-JS 1030 (GGG-40), NBR coated all over
- Stem made of stainless steel 1.4462, stem nut made of bronze and wedge made of ductile cast iron EN-JS 1030 (GGG-40), EPDM coated all over

Field of Application

- Chamber installation
- Installation in plants



Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)
- 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

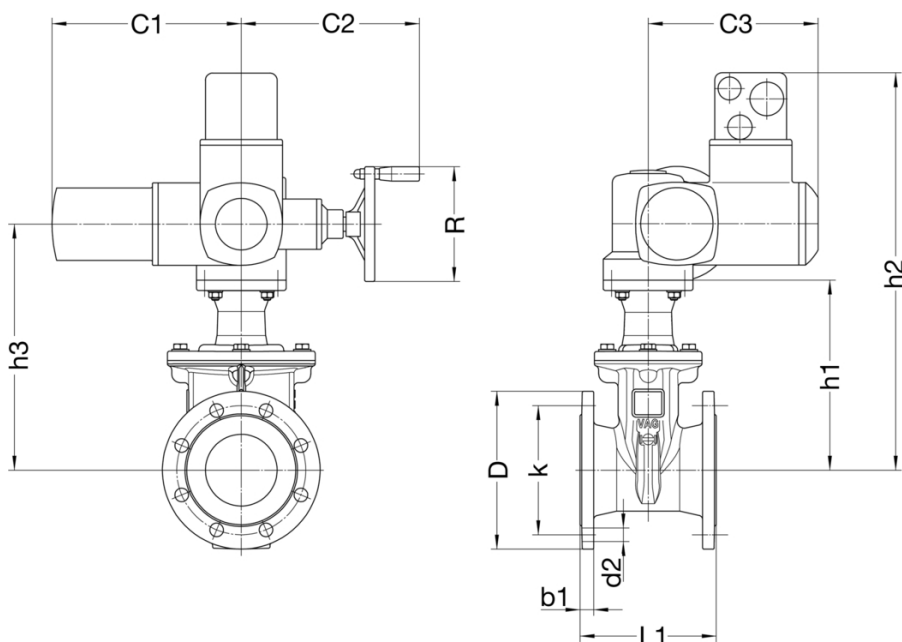
DN	Size [mm]	PN	Maximum operating temperature for neutral liquids [°C]
40...400	16	16	50
200...400	10	10	50

Pressure test acc. to EN 12266

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



Drawing



Technical data

PN 16

DN	40	50	65	80	100	125	150	200	250	300	350	400
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
D [mm]	150	165	185	200	220	250	285	340	405	460	520	580
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
k [mm]	110	125	145	160	180	210	240	295	355	410	470	525
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 10

DN	40	50	65	80	100	125	150	200	250	300	350	400
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
D [mm]	150	165	185	200	220	250	285	340	405	460	520	580
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
k [mm]	110	125	145	160	180	210	240	295	350	400	460	515
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 10/16 - DN 40...400

KAT-A 1030-1033-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 torque due to plastic sliding caps 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 cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) EPDM coated all over (water/sea water)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4021 (water)
- Stem nut: Brass (water)

Corrosion protection

- Inside and outside epoxy coating 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 cast iron EN-JS 1030 (GGG-40), NBR coated all over
- Stem made of stainless steel 1.4462, stem nut made of bronze and wedge made of ductile cast iron EN-JS 1030 (GGG-40), EPDM coated all over

Field of Application

- Chamber installation
- Installation in plants



Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)
- 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

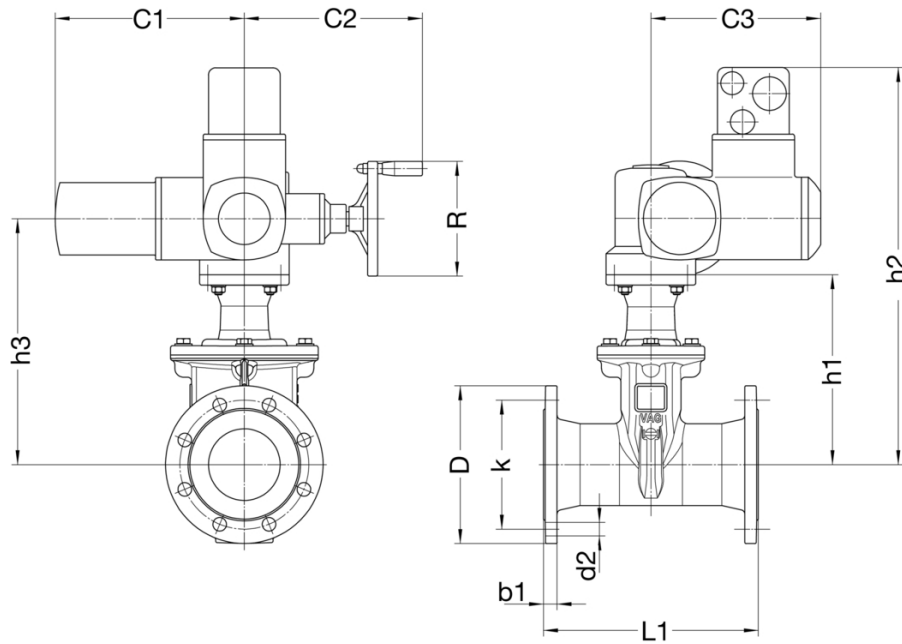
DN	Size [mm]	PN	Maximum operating temperature for neutral liquids [°C]
40...400	16	16	50
200...400	10	10	50

Pressure test acc. to EN 12266

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



Drawing



Technical data

PN 16

DN		40	50	65	80	100	125	150	200	250	300	350	400
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
D	[mm]	150	165	185	200	220	250	285	340	405	460	520	580
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
k	[mm]	110	125	145	160	180	210	240	295	355	410	470	525
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 10

DN		40	50	65	80	100	125	150	200	250	300	350	400
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
D	[mm]	150	165	185	200	220	250	285	340	405	460	520	580
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
k	[mm]	110	125	145	160	180	210	240	295	350	400	460	515
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 40...300

KAT-A 1030-1033-F4-Pneum

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 torque due to plastic sliding caps on the wedge
- With pneumatic actuator
- Maintenance-free and corrosion-resistant stem sealing
- With triple O-ring sealing
- Suitable for vacuum of up to 90%

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) EPDM coated all over (water)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem nut: Brass (water)

Corrosion protection

- Inside and outside epoxy coating acc. to GSK guidelines

Versions

- Standard version as described
- Stem nut made of bronze and wedge made of ductile cast iron EN-JS 1030 (GGG-40), NBR coated all over (waste water)

Field of Application

- Chamber installation
- Installation in plants



Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)
- 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

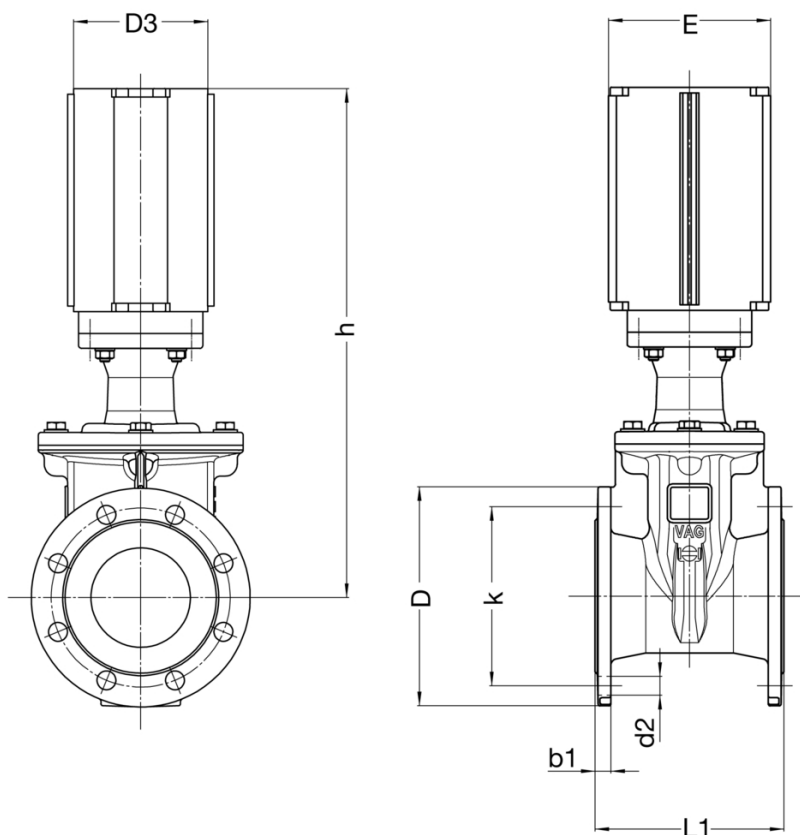
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
40...300	10	10	50

Pressure test acc. to EN 12266

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



Drawing



Technical data

PN 10

DN	40	50	65	80	100	125	150	200	250	300
D [mm]	150	165	185	200	220	250	285	340	405	460
D3	119	119	147	147	147	182	182	216	216	260
E [mm]	131	131	163	163	163	199	199	271	271	308
L1 [mm]	140	150	170	180	190	200	210	230	250	270
b1 [mm]	19	19	19	19	19	19	19	20	22	25
d2 [mm]	19	19	19	19	19	19	23	23	23	23
h [mm]	418	423	493	498	527	590	678	941	1048	1304
k [mm]	110	125	145	160	180	210	240	295	350	400
No. of holes	4	4	4	8	8	8	8	8	12	12
Turns/stroke	10	12	16	20	20	25	30	34	43	51
Festo actuator	DLP 100	DLP 100	DLP 125	DLP 125	DLP 125	DLP 160	DLP 160	DLP 200	DLP 200	DLP 250



PN 10 - DN 40...300

KAT-A 1030-1033-F5-Pneum

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 torque due to plastic sliding caps on the wedge
- With pneumatic actuator
- Maintenance-free and corrosion-resistant stem sealing
- With triple O-ring sealing
- Suitable for vacuum of up to 90%

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) EPDM coated all over (water)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem nut: Brass (water)

Corrosion protection

- Inside and outside epoxy coating acc. to GSK guidelines

Versions

- Standard version as described
- Stem nut made of bronze and wedge made of ductile cast iron EN-JS 1030 (GGG-40), NBR coated all over (waste water)

Field of Application

- Chamber installation
- Installation in plants



Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)
- 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

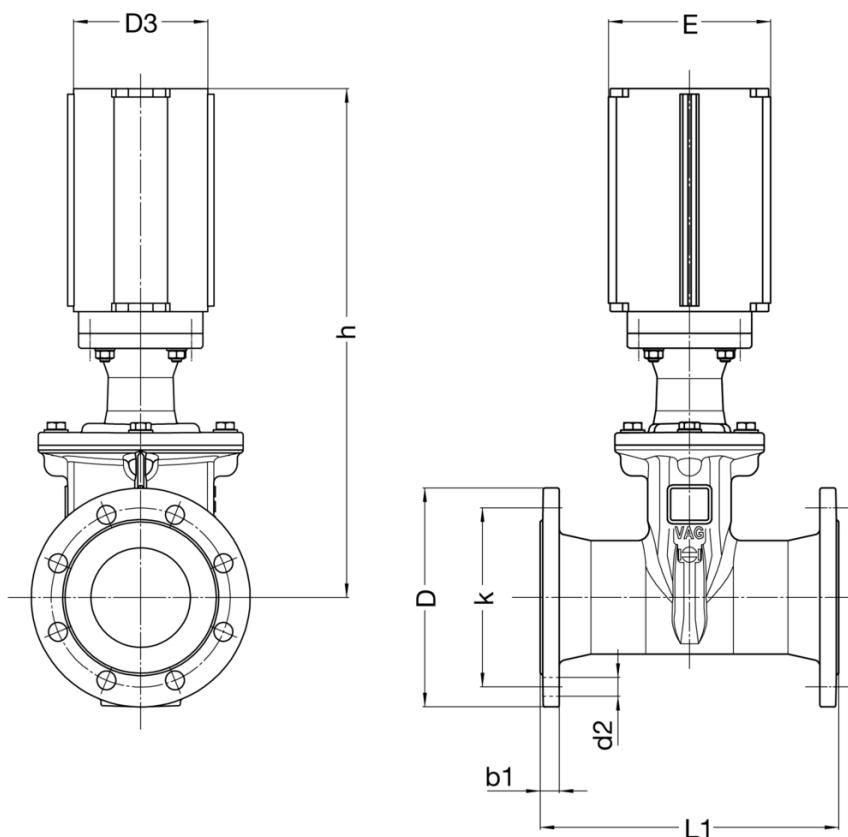
DN	PN	Maximum operating pressure [bar]	Maximum operating temperature for neutral liquids [°C]
40...300	10	10	50

Pressure test acc. to EN 12266

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



Drawing



Technical data

PN 10

DN	40	50	65	80	100	125	150	200	250	300
D	[mm] 150	165	185	200	220	250	285	340	405	460
D3	119	119	147	147	147	182	182	216	216	260
E	[mm] 131	131	163	163	163	199	199	271	271	308
L1	[mm] 240	250	270	280	300	325	350	400	450	500
b1	[mm] 19	19	19	19	19	19	19	20	22	25
d2	[mm] 19	19	19	19	19	19	23	23	23	23
h	[mm] 418	423	493	498	527	590	678	941	1048	1304
k	[mm] 110	125	145	160	180	210	240	295	350	400
No. of holes	4	4	4	8	8	8	8	8	12	12
Turns/stroke	10	12	16	20	20	25	30	34	43	51
Festo actuator	DLP 100	DLP 100	DLP 125	DLP 125	DLP 125	DLP 160	DLP 160	DLP 200	DLP 200	DLP 250



PN 10/16 - DN 40...500

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 558-1, basic series 14 (DIN 3202, F4)
- With flange ends on both sides acc. to EN 1092-2
- Low torque due to plastic sliding caps on the wedge
- Prepared for electric actuator
- Maintenance-free and corrosion-resistant stem sealing
- Low wear due to wedge guiding and elongated stem bearing
- Suitable for vacuum of up to 90%

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) EPDM coated all over (water/sea water)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4021 (water)
- Stem nut: Brass (water)

Corrosion protection

- Inside and outside epoxy coating 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 cast iron EN-JS 1030 (GGG-40), NBR coated all over
- Stem made of stainless steel 1.4462, stem nut made of bronze and wedge made of ductile cast iron EN-JS 1030 (GGG-40), EPDM coated all over

Field of Application

- Chamber installation
- Installation in plants



Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)
- 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

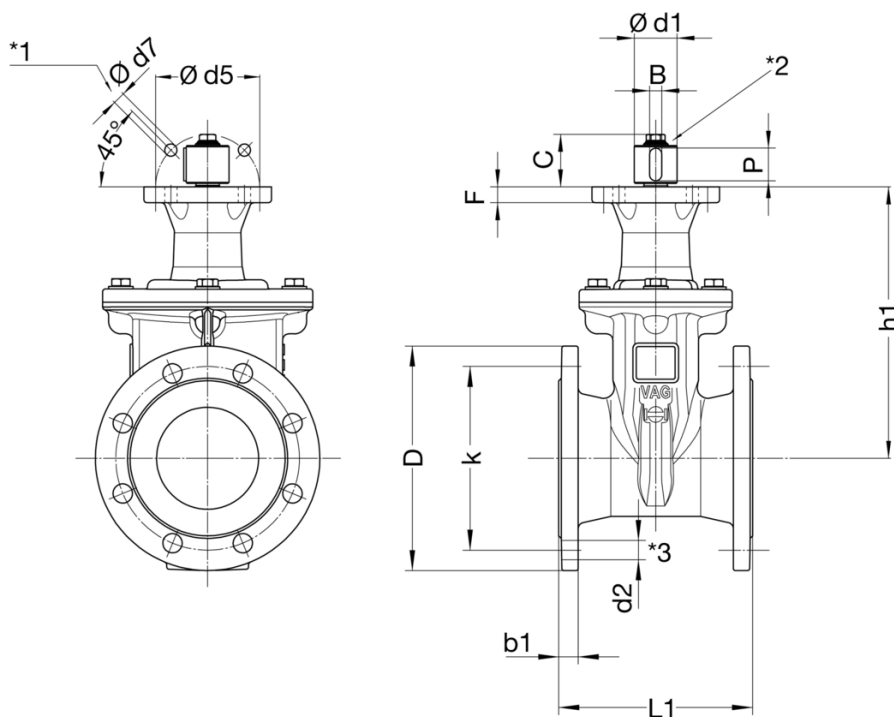
DN	Size [mm]	PN	Maximum operating temperature for neutral liquids [°C]
40...400	16	16	50
200...500	10	10	50

Pressure test acc. to EN 12266

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



Drawing



*1: 4 drilled holes

*2: EN ISO 5210 Shape B1 (DN 40 - 300), Shape B3 (DN 350 - 400)

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

Technical data

PN 16

DN	40	50	65	80	100	125	150	200	250	300	350	400
B [mm]	12	12	12	12	12	12	12	12	18	18	8	8
C [mm]	47	47	47	47	52	52	52	52	68	68	60	60
D [mm]	150	165	185	200	220	250	285	340	405	460	520	580
F [mm]	15	15	15	15	15	15	15	16	16	16	28	30
L1 [mm]	140	150	170	180	190	200	210	230	250	270	290	310
P [mm]	32	32	32	32	32	32	32	32	56	56	-	-
b1 [mm]	19	19	19	19	19	19	19	20	22	25	27	29
d1 [mm]	42	42	42	42	42	42	42	42	60	60	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	19	19
h1 [mm]	192	197	231	236	265	303	342	498	562	627	906	981
k [mm]	110	125	145	160	180	210	240	295	355	410	470	525
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
Actuator type	SA07.5	SA07.5	SA07.5	SA07.5	SA07.5	SA10.1	SA10.1	SA10.1	SA14.1	SA14.1	SA14.1	SA14.5
Connection ISO 5210	F10	F10	F10	F10	F10	F10	F10	F10	F14	F14	F14	F14
Weight approx. [kg]	10.80	11.80	16.10	18.10	20.50	28.30	35.00	61.30	104.00	120.00	-	-



Technical data

PN 10

DN	40	50	65	80	100	125	150	200	250	300	350	400
B [mm]	12	12	12	12	12	12	12	12	12	12	8	8
C [mm]	47	47	47	47	52	52	52	52	52	52	60	60
D [mm]	150	165	185	200	220	250	285	340	405	460	520	580
F [mm]	15	15	15	15	15	15	15	16	16	16	28	30
L1 [mm]	140	150	170	180	190	200	210	230	250	270	290	310
P [mm]	32	32	32	32	32	32	32	32	32	32	-	-
b1 [mm]	19	19	19	19	19	19	19	20	22	25	27	29
d1 [mm]	42	42	42	42	42	42	42	42	42	42	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	19	19
h1 [mm]	192	197	231	236	265	303	342	498	604	627	906	981
k [mm]	110	125	145	160	180	210	240	295	350	400	460	515
No. of holes	4	4	4	8	8	8	8	8	12	12	16	16
Turns/stroke	10	12	16	20	20	25	30	31	43	51	59	50
Actuator type	SA07.5	SA07.5	SA07.5	SA07.5	SA07.5	SA07.5	SA07.5	SA07.5	SA10.1	SA10.1	SA14.1	SA14.5
Connection ISO 5210	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F14	F14
Weight approx. [kg]	10.80	11.80	16.10	18.10	20.50	28.30	35.00	61.30	104.00	120.00	-	-

PN 10

DN	500
B [mm]	8
C [mm]	60
D [mm]	670
F [mm]	25
L1 [mm]	350
b1 [mm]	26.5
d1 [mm]	30
d2 [mm]	28
d5 [mm]	140
d7 [mm]	19
h1 [mm]	1070
k [mm]	620
No. of holes	20
Turns/stroke	64
Actuator type	SA14.5
Connection ISO 5210	F14



PN 10/16 - DN 40...400

KAT-A 1030-1033-F5-prep-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 torque due to plastic sliding caps 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 cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) EPDM coated all over (water/sea water)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4021 (water)
- Stem nut: Brass (water)

Corrosion protection

- Inside and outside epoxy coating 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 cast iron EN-JS 1030 (GGG-40), NBR coated all over
- Stem made of stainless steel 1.4462, stem nut made of bronze and wedge made of ductile cast iron EN-JS 1030 (GGG-40), EPDM coated all over

Field of Application

- Chamber installation
- Installation in plants



Tests and approvals

- Final inspection test acc. to EN 12266 (DIN 3230 Part 4)
- 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"

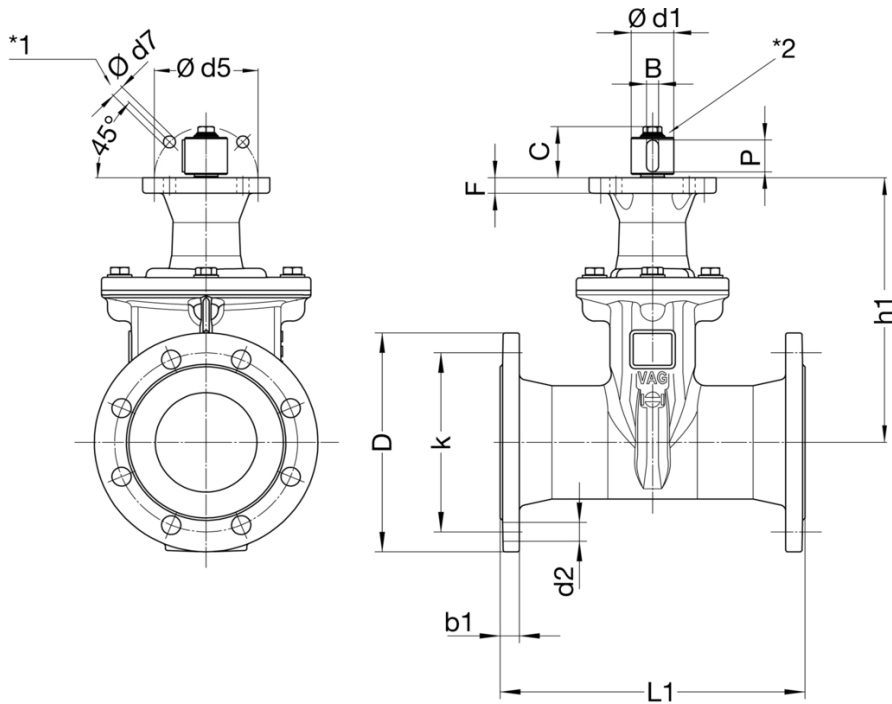
Field of application

DN	Size [mm]	PN	Maximum operating temperature for neutral liquids [°C]
40...400	16	16	50
200...400	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

Drawing



*1: 4 drilled holes

*2: EN ISO 5210 Shape B1 (DN 40 - 300), Shape B3 (DN 350 - 400)

Technical data

PN 16

DN	40	50	65	80	100	125	150	200	250	300	350	400
B [mm]	12	12	12	12	12	12	12	12	18	18	8	8
C [mm]	47	47	47	47	52	52	52	52	68	68	60	60
D [mm]	150	165	185	200	220	250	285	340	405	460	520	580
F [mm]	15	15	15	15	15	15	15	16	16	16	28	30
L1 [mm]	240	250	270	280	300	325	350	400	450	500	550	600
P [mm]	32	32	32	32	32	32	32	32	56	56	-	-
b1 [mm]	19	19	19	19	19	19	19	20	22	25	27	29
d1 [mm]	42	42	42	42	42	42	42	42	60	60	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	19	19
h1 [mm]	192	197	231	236	265	303	342	498	562	627	906	981
k [mm]	110	125	145	160	180	210	240	295	355	410	470	525
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
Actuator type	SA07.5	SA07.5	SA07.5	SA07.5	SA7.5	SA10.1	SA10.1	SA10.1	SA14.1	SA14.1	SA14.1	SA14.5
Connection ISO 5210	F10	F10	F10	F10	F10	F10	F10	F10	F14	F14	F14	F14
Weight approx. [kg]	11.30	12.30	17.10	19.50	25.10	30.40	37.30	68.10	117.00	137.00	-	-



Technical data

PN 10

DN	40	50	65	80	100	125	150	200	250	300	350	400
B [mm]	12	12	12	12	12	12	12	12	12	12	8	8
C [mm]	47	47	47	47	52	52	52	52	52	52	60	60
D [mm]	150	165	185	200	220	250	285	340	405	460	520	580
F [mm]	15	15	15	15	15	15	15	16	16	16	28	30
L1 [mm]	240	250	270	280	300	325	350	400	450	500	550	600
P [mm]	32	32	32	32	32	32	32	32	32	32	-	-
b1 [mm]	19	19	19	19	19	19	19	20	22	25	27	29
d1 [mm]	42	42	42	42	42	42	42	42	42	42	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	19	19
h1 [mm]	192	197	231	236	265	303	342	498	604	627	906	981
k [mm]	110	125	145	160	180	210	240	295	350	400	460	515
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
Actuator type	SA07.5	SA07.5	SA07.5	SA07.5	SA07.5	SA07.5	SA07.5	SA07.5	SA10.1	SA10.1	SA14.1	SA14.5
Connection ISO 5210	F10	F10	F10	F10	F10	F10	F10	F10	F10	F10	F14	F14
Weight approx. [kg]	11.30	12.30	17.10	19.50	25.10	30.40	37.30	68.10	117.00	137.00	-	-