

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, 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
- 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%
- With integrated adapter for the TELEMAX[®] stem extension

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
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Stem: Stainless steel 1.4057
- Stem nut: Brass

Corrosion protection

- Internally and externally epoxy coated acc. to GSK guidelines

Versions

- Standard version as described
- With rising stem (until DN 600)
- Actuator:
 - Electric
 - Prepared for electric
 - Pneumatic (until DN 300)
 - Handwheel

Field of application

- Underground installation
- 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 acc. to W270

Accessories

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

Note

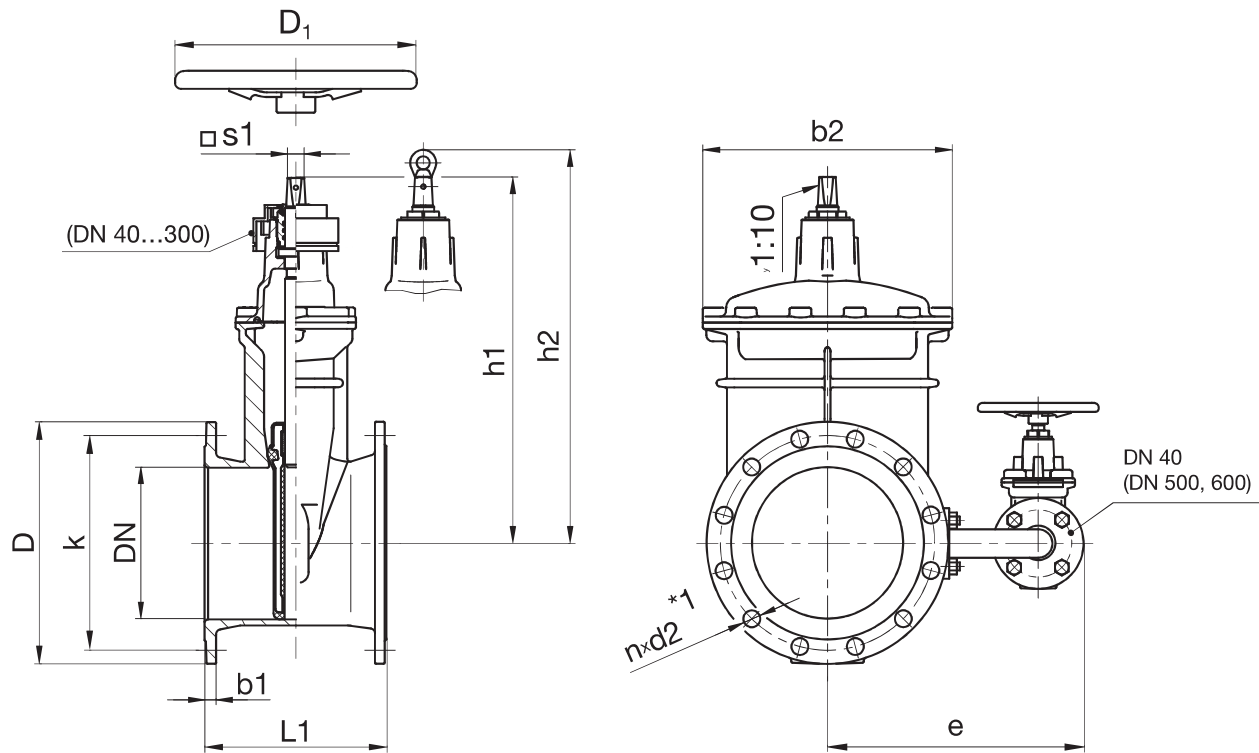
For proper installation and safe operation please follow the installation and operation instructions:
“Installation and Operating Instructions for Valves”

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

* Stem material will be changed from 1.4021 to 1.4057

Drawing



*1: Bei DN 400 die oberen beiden Flanschverbindungsschrauben mit Muttern nach DIN 439/B (flache Form) befestigen.

DN 500 and 600 with bypass DN 40

Technical data

PN 10

DN		200	250	300	350	400	500	600
D	[mm]	340	400	455	520	580	670	780
k	[mm]	295	350	400	460	515	620	725
D1	[mm]	400	500	500	550	630	630	720
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
e	[mm]	-	-	-	-	-	580	700
h1	[mm]	493	606	670	852	936	1096	1289
h2	[mm]	537	650	714	867	956	-	-
s_1	[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	0.37	0.816

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
k	[mm]	110	125	145	160	180	210	240	295	355	410	470	525
D1	[mm]	200	200	250	250	300	300	300	400	500	500	550	630
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
h2	[mm]	-	-	-	-	-	-	-	537	650	714	867	956
□ 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		12	14.5	20.5	21.5	21.5	26.5	32	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 ap- prox.	[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

PN 16

DN		500	600
D	[mm]	715	840
k	[mm]	650	770
D1	[mm]	720	720
L1	[mm]	350	390
b1	[mm]	31.5	36
b2	[mm]	726	954
d2	[mm]	34	37
e	[mm]	580	700
h1	[mm]	1096	1289
□ s1	[mm]	32	36
No. of holes		20	20
Turns/stroke		64	75
Weight approx.	[kg]	530.00	720.00
Volume ap- prox.	[m ³]	0,37	0,816