

**PN 16 - DN 50...600**

KAT-A 1030-BS-A

**Product characteristics and benefits**

- Resilient seated in accordance with BS 5163 part 1 and part 2
- Resilient seated in accordance with EN 1074 part 1 and part 2
- Face-to-face length acc. to EN 558-2 R3 (BS 5163 / ISO 5752 / ANSI B16.10)
- 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%

**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

**Versions**

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

**Field of application**

- Underground installation
- Chamber installation
- Installation in plants

**Tests and approvals**

- Final inspection test acc. to EN 12266
- Elastomers approved acc. to W270
- WRAS tested and registered

**Accessories**

- T-key
- Installation equipment
- Extension spindle
- Surface box cast iron
- Plastic base plate

**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]
50...600	16	16	50

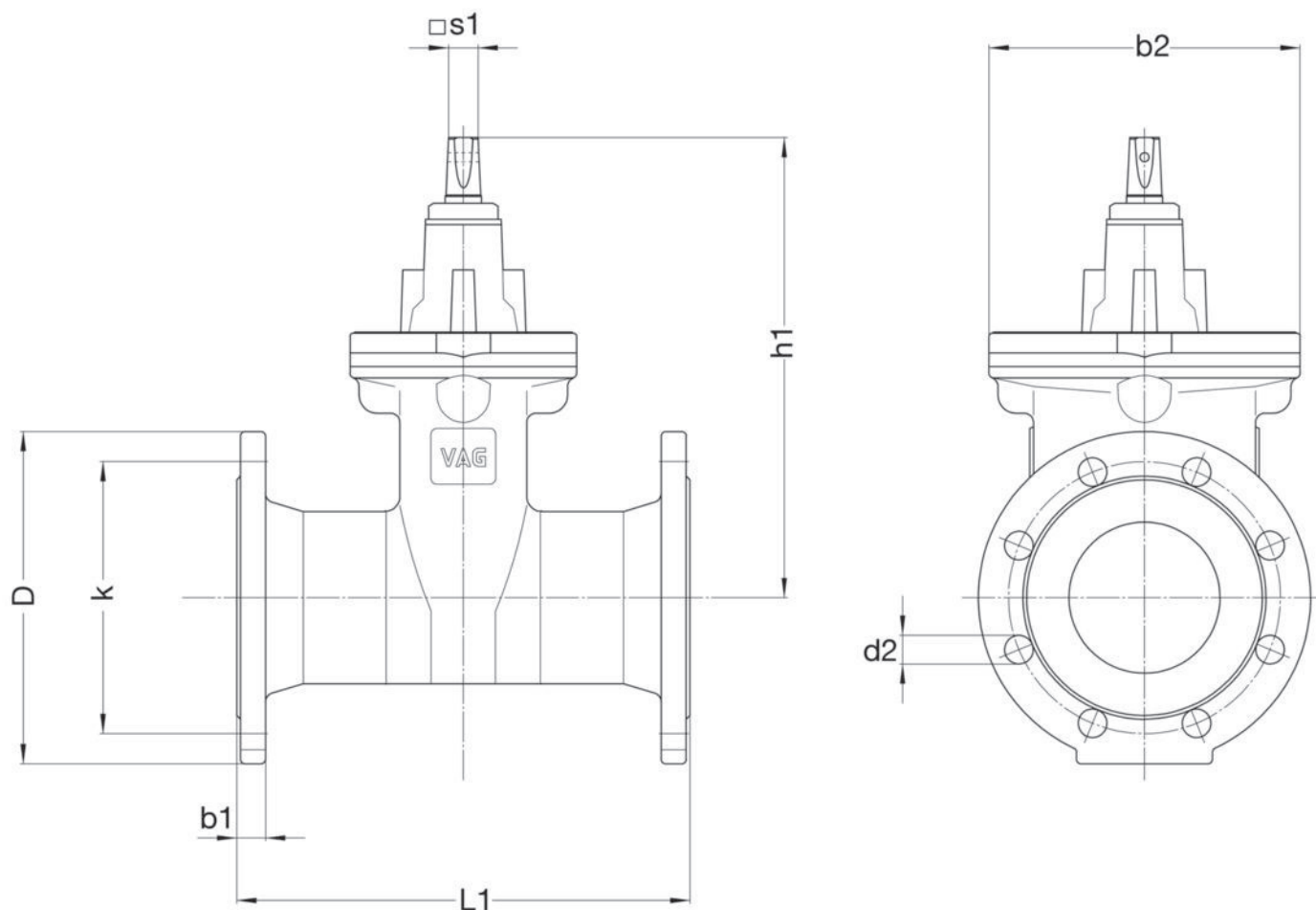
**Pressure test acc. to EN 12266**

Test pressure body with water [bar]	Test pressure seat with water [bar]
27	17.6

\* Stem material will be changed from 1.4021 to 1.4057



Drawing



Technical data

PN 16

DN		50	65	80	100	150	200	250	300	350	400	500	600
D	[mm]	165	185	200	229	285	340	405	483	533	597	715	840
k	[mm]	125	145	160	180	240	295	355	410	470	525	650	770
L1	[mm]	178	190	203	229	267	292	330	356	381	406	457	508
b1	[mm]	19	19	19	19	19	20	22	24.5	26.5	28	31.5	33
b2	[mm]	121	206	206	206	252	330	413	472	619	619	726	954
d2	[mm]	19	19	19	19	23	23	28	28	28	31	34	38
h1	[mm]	233	273	278	310	386	493	606	670	852	936	1096	1278
□ s1	[mm]	14	17	17	19	19	24	27	27	27	32	32	36
No. of holes		4	4	8	8	8	12	12	12	16	16	20	20
Turns/stroke		14.5	20.5	21.5	21.5	32	34	43	51	59	50	64	76
Weight approx.	[kg]	9.40	14.50	15.50	19.10	33.10	55.00	95.00	122.90	260.00	342.00	590.00	913.00
Volume approx.	[m <sup>3</sup> ]	0.013	0.018	0.02	0.028	0.053	0.09	0.147	0.207	0.263	0.31	0.482	0.702