

For waterworks purposes. Double flanged, non-rising spindle, Class 16

### • DESIGN FEATURES class 16

- An outstanding resilient seal gate valve manufactured under license to Bopp & Reuther GmbH of Mannheim Waldof, West Germany.
- Accurately-moulded and completely rubber-coated spheroidal graphite iron gate ensures drop-tightness from zero to maximum working pressure even under the most adverse working conditions. The gate is designed for minimum distortion of the resilient seal, equal distribution of sealing pressure in all directions with a capacity to accept foreign matter and still seal tight.
- Straight, unobstructed body passage without pocket as well as inclined seats and gate guides eliminate deposits in valve body.
- Long and accurate guides fully support gate in all positions.
- Corrosion-resistant spindle seal consisting of standard O-rings in plastic bush and an additional scraper ring to prevent ingress of dirt.
- Back seal permits replacement of spindle seals under pressure.
- Replaceable, corrosion-resistant spindle nut in gate.
- Spindle thrust collar located between anti-friction materials ensures low operating forces.
- Highly resistant to corrosion and abrasion.
- Modern shell-moldings process ensures accurate, interchangeable components smooth surfaces and increased corrosion-resistance.
- Easy maintenance. All components readily replace by unskilled personnel without special tools and without removing valve body from pipe work.
- Electrostatic epoxy powder coating (an outstanding surface protection) available as an optional extra.
- UNLESS OTHERWISE SPECIFIED
- Flanges drilled to the nominal pressure class of BS 4504.
- Clockwise closing.
- NOTES
- Information on optional extras and special applications available on request.
- S.A Patents 677772 and 728571

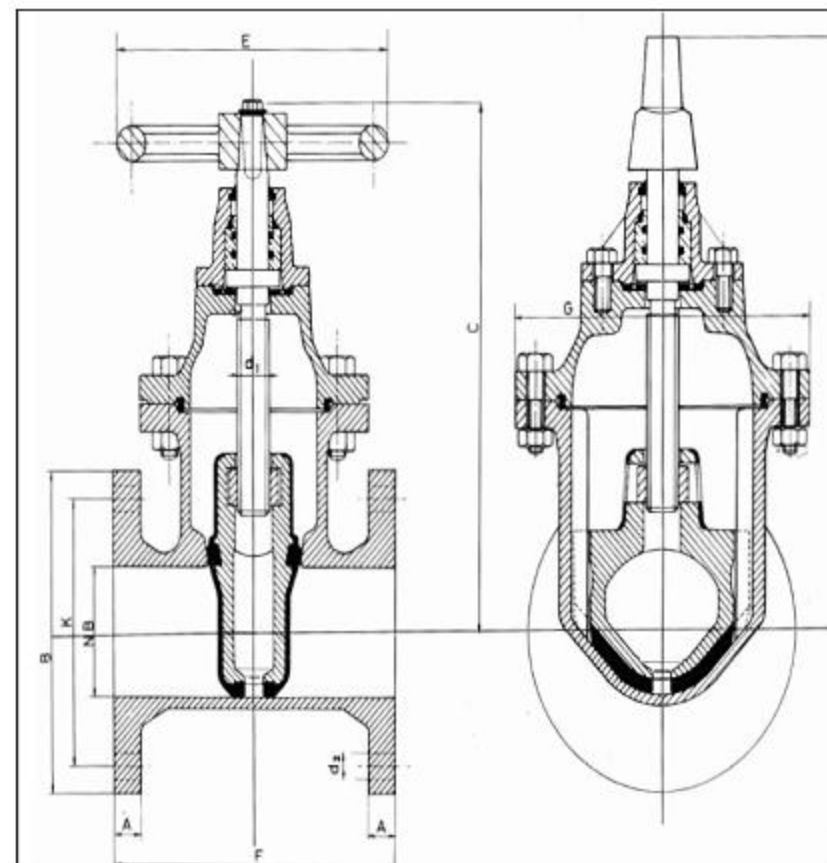


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PRESSURE CLASS	HYDROSTATIC TEST PRESSURES		MAXIMUM WORKING PRESSURE FOR LIQUIDS AND GASSES AT TEMPERATURES UP TO 90°C
	BODY	SEAT	
PN 25	5.0 MPa	2.5 MPa	2.5 MPa

DN		50	80	100	150	200	250	300
	F	216	229	254	280	317	356	380
	C	270	330	370	475	585	685	765
	D	360	416	452	557	663	758	838
	E	200	250	320	320	400	500	500
	G	170	214	228	310	375	442	514
	d1	20	24	26	28	32	36	36
FLANGES CLASS 16	B	165	200	235	300	360	425	485
	K	125	160	190	250	310	370	430
	A	22	26	28	34	34	36	40
	NUMBER OF HOLES	4	8	8	8	12	12	16
	d2	18	18	22	26	26	30	30
MASS (kg)	WITH HANDWHEEL	21	31	45	90	130	200	278
TURNS		13.5	17	21	31	34	42.5	51



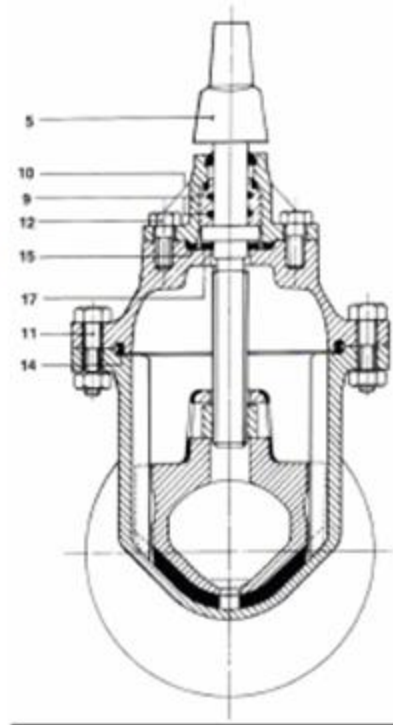
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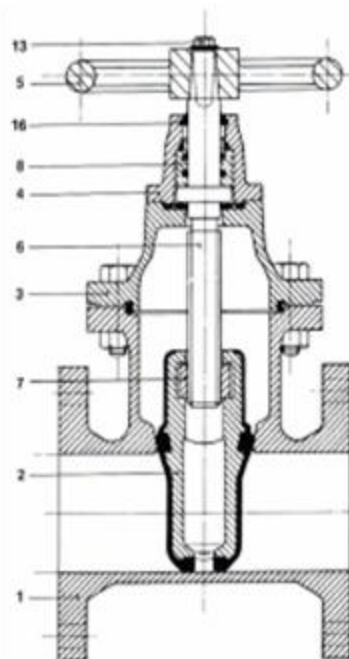
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NO	COMPONENTS	MATERIAL
1	BODY	Spheroidal graphite iron
2	GATE	Spheroidal graphite iron, Nitrile rubber covered
3	BONNET	Spheroidal graphite iron
4	STUFFING BOX	Spheroidal graphite iron
5	HANDWHEEL – CAP TOP	Spheroidal graphite iron
6	SPINDLE	Stainless Steel
7	SPINDLE NUT	Bronze
8	BUSH	Plastic
9	O-RINGS (SPINDLE)	Nitrile Rubber
10	O-RINGS (BUSH)	Nitrile Rubber
11	BODY – BONNET BOLTS & NUTS	SABS 135 steel
12	STUFFING BOX HEX SCREWS	SABS 135 steel
13	HANDWHEEL SET SCREW	SABS 135 steel
14	PROFILE RING	Nitrile rubber
15	STUFFING BOX O-RING	Nitrile rubber
16	SCRAPER RING	Nitrile rubber
17	FRICTION RING	Plastic

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**FERROUS/NON FERROUS METAL SPECIFICATIONS**

**Spheroidal graphite iron to BS 2789 Grade 420/12**

**Stainless Steel to BS 970 Grade 420S29**

**Bronze to BS 1400 PB1**

OPERATION	DIRECTION OF CLOSING	FIGURE NO
HANDWHEEL	Clockwise	115012
HANDWHEEL	Anti-clockwise	115032
CAP TOP	Clockwise	115022
CAP TOP	Anti-clockwise	115042