RESILIENT SEAL GATE VALVE pg 1 of 4

For general purposes. Double flanged, rising spindle, Class 10 &16 to SABS 665:1989

- **DESIGN FEATURES 665**

- 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.
- Highly resistant to corrosion and abrasion.
- Modern shell-molding process ensures accurate, interchangeable components, smooth surfaces and increased corrosion-resistance.
- Easy maintenance. All components readily replaced 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 67/7772 and 72/8571
- These valves bear the mark of the South African Bureau of Standards (SABS 665:1989) and are manufactured to the Quality Management Manual based on Code of Practice SABS/ISO 9000.

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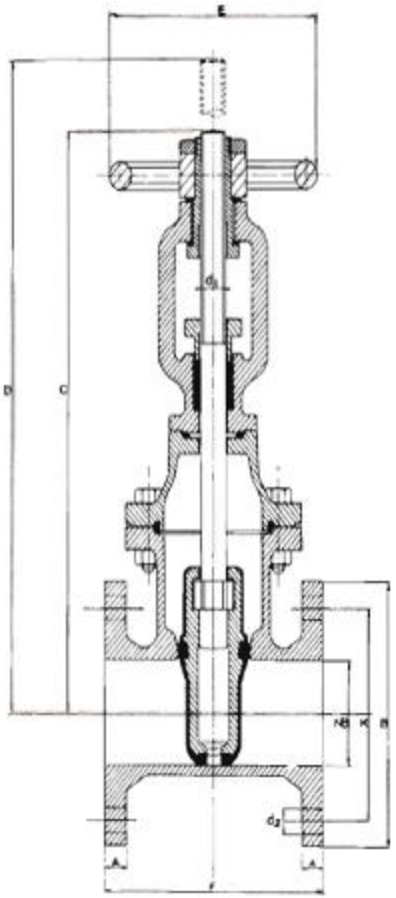
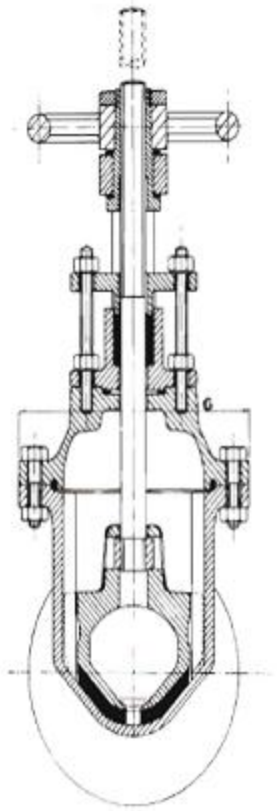
PRESSURE CLASS	HYDROSTATIC TEST PRESSURES		MAXIMUM WORKING PRESSURE FOR LIQUIDS AND GASSES AT TEMPERATURES UP TO 90°C
	BODY	SEAT	
PN 10	2.0 MPa	1.0 MPa	1.0 MPa
PN 16	3.2 MPa	1.6 MPa	1.6 MPa

DN		50	80	100	150	200	250	300
	F	178	203	229	267	292	330	355
	C	385	434	470	630	786	1004	1081
	D	454	521	575	790	994	1262	1389
	E	250	250	320	400	500	500	500
	H	170	214	225	310	375	448	514
	d1	20	24	26	28	32	36	36
FLANGES CLASS 10	B	165	200	220	285	340	395	445
	K	125	160	180	240	295	350	400
	A	20	22	24	26	26	28	28
NUMBER OF HOLES		4	8	8	8	8	12	12
	d2	18	18	18	22	22	22	22
FLANGES CLASS 16	B	165	200	220	285	340	405	460
	K	125	160	180	240	289 5	355	410
	A	20	22	24	26	30	32	32
NUMBER OF HOLES		4	8	8	8	12	12	12
	d2	18	18	18	22	22	26	26
MASS (kg)	WITH HAND WHEEL	20.5	29.5	39	84	118	184	258
TURNS		13.5	17	21	31	34	42.5	51

Click here to zoom





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INVAL MENU

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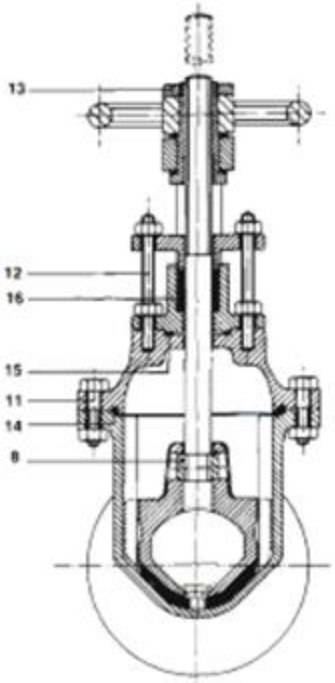
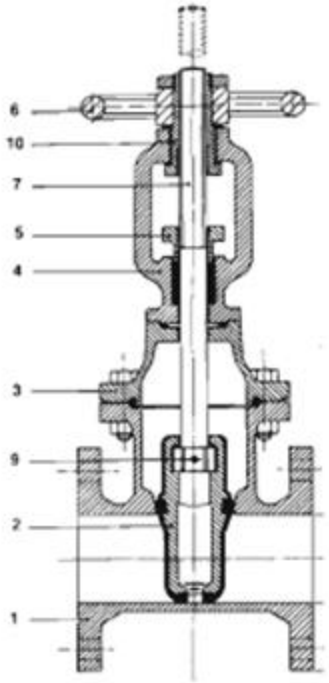
NO	COMPONENTS	MATERIAL
1	BODY	Spheroidal graphite iron
2	GATE	Spheroidal graphite iron, Nitrile rubber covered
3	BONNET	Spheroidal graphite iron
4	YOKE	Spheroidal graphite iron
5	GLAND	Spheroidal graphite iron
6	HANDWHEEL	Spheroidal graphite iron
7	SPINDLE	Stainless Steel
8	SPINDLE NUT	Mild steel or malleable iron
9	SPINDLE NUT PIN	Spring steel
10	YOKE NUT	Bronze
11	BODY – BONNET BOLTS AND NUTS	SABS 135 steel
12	GLAND – STUFFING BOX STUDS AND NUTS	SABS 135 steel
13	HANDWHEEL NUT	Mild steel or malleable iron
14	PROFILE RING	Nitrile rubber
15	YOKE O-RING	Nitrile rubber
16	PACKING MATERIAL	Cotton

Click here to zoom





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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

PRESSURE CLASS	SPINDLE MATERIAL	DIRECTION OF CLOSING	FIGURE NO
PN 10	Stainless Steel	Clockwise	183012
PN 10	Stainless Steel	Anti-clockwise	183032
PN 16	Stainless Steel	Clockwise	184012
PN 16	Stainless Steel	Anti-clockwise	184032