

DUAL RESILIENT SEAL VALVE



DUAL's Resilient Seal Valve is specifically for heavy abrasive and corrosive slurries. The gate is completely rubber or urethane coated which ensures drop-tightness from zero to maximum working pressure, even under most adverse working conditions. The gate is designed for maximum distortion of the Resilient Seal, equal distribution of sealing pressure in all directions with a capacity to accept foreign material and still seal tight.

The **DUAL** Resilient Seal Valve is designed for waterworks purposes, Double flanged, rising and non-rising spindle, Class 25. Face to Face dimensions to SABS 664 and 665.

PRESSURE AND TEMPERATURE RATINGS

PRESSURE CLASS: Hydrostatic Test Pressures:
PN25 Body: 5.0MPa
Seat: 2.5MPa

WORKING PRESSURE: Maximum working pressure for liquids and gasses at temperatures up to 90°C: 2.5MPa.

FEATURES

- Available in Rising or Non-rising spindle.
- Accurately-moulded and completely rubber-coated spheroidal graphite iron gate ensure drop-tightness from zero to maximum working pressure even under the most harsh working conditions. The gate is designed for minimum distortion to 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 the valve body.
- Long and accurate guides, fully support the gate in all positions.
- Highly resistant to corrosion and abrasion.
- Modern shell-moulded process ensure accurate and interchangeable components with smooth services increase the corrosion resistance.
- Easy maintenance. All components can readily be replaced by unskilled personnel without special tools and without removing the body from the pipeline.
- Electrostatic epoxy powder coating (that has great surface protection) is available as an extra option.
- Valve body can be lined with Rubber, Urethane or Ceramic epoxy.
- Valve seals in both directions.
- Back seal permits the gland packing to be replaced while under pressure.
- Valves comply with SABS 664 and 665.
- Wedge for positive seal.
- Highly resistant to corrosion and abrasion.
- No Pressure drop.
- Light weight construction.
- Clockwise closing.
- Full bore valve body.

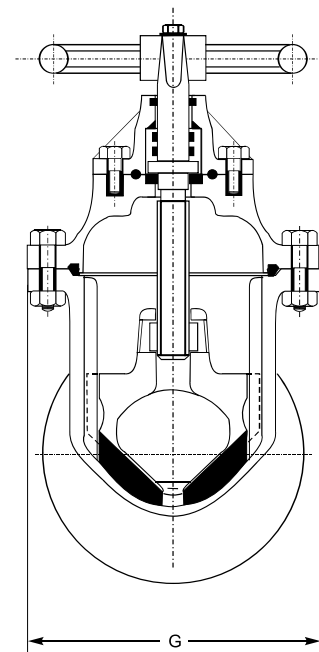
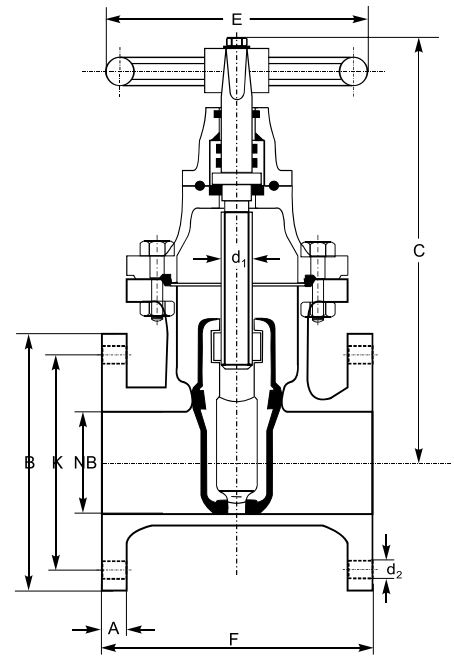
ACTUATORS

All types of actuators can be fitted:

- Electric
- Gearbox
- Hydraulic
- Pneumatic
- Handwheel

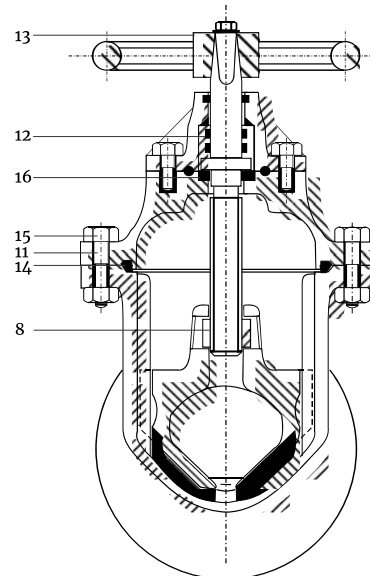
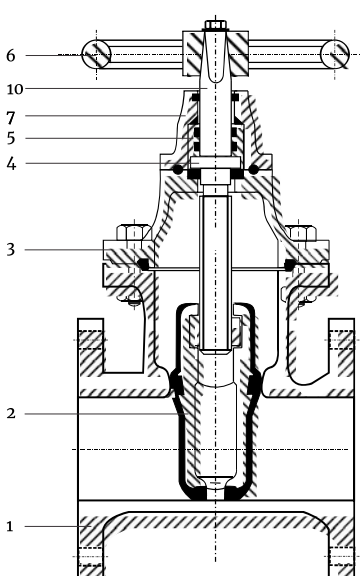
APPLICATIONS

- Mining and mineral processing.
- Power generation.
- Sand and gravel.
- Chemical and soda ash.
- Pulp and paper.
- Environmental and effluent.
- Water Purification.



DIMENSIONS	DN	50	80	100	150	200	250	300	350	400
	664	216	229	254	280	317	356	380	470	470
	665	178	203	229	267	292	330	355	381	406
	C	385	434	470	630	786	1004	1081	1120	1230
	D	454	521	575	790	994	1262	1389	1840	1940
	E	250	250	320	400	500	500	500	600	600
	G	170	214	228	310	375	442	514	586	636
	d1	20	24	26	28	32	36	36	50	50
	664	216	229	254	280	317	356	380	470	470
	665	178	203	229	267	292	330	355	381	406
	C	270	330	370	475	585	685	765	837	917
	D	360	416	452	557	663	758	838	911	991
	E	200	250	320	320	400	500	500	600	600
	G	170	214	228	310	375	442	514	586	636
	d1	20	24	26	28	32	36	36	40	40
	Rising	40	50	60	90	130	200	300	425	500
MASS (kg)	Non Rising	20	29	39	84	118	184	258	390	420
URNS/STROKE		13.5	17	21	31	34	42.5	51	55	60

Contact Dual for larger sizes. Dimensions and weights are for guidance only - detailed dimension drawings available on request. All dimensions are in millimeters, unless stated.



	COMPONENT	MATERIAL
1	Body	Cast SG Iron / Cast High Chrome
2	Gate	Cast SG Iron, Nitrile Rubber covered
3	Bonnet	Cast SG Iron
4	Yoke	Mild Steel
5	Gland	Cast SG Iron
6	Handwheel	Cast SG Iron
7	Spindle	Stainless Steel 304
8	Spindle Nut	Mild Steel
9	Spindle Nut Pin	Spring Steel
10	Yoke Nut	Bronze
11	Body - bonnet bolts/nuts	Mild Steel, Cadmium Plated
12	Gland/stuffing box studs & nuts	Mild Steel, Cadmium Plated
13	Handwheel Nut	Mild Steel
14	Profile Ring	Nitrile Rubber
15	Yoke O Ring	Nitrile Rubber
16	Packing Material	Graphite in Rope



CORPORATE HEADQUARTERS:
166 ROTTERDAM ROAD
(CNR ROTTERDAM ROAD & ANTWERP STREET)
APEX BENONI GAUTENG SOUTH AFRICA

PO BOX 12520, BENORYN 1504
TEL: +27 11 422 4326/7
FAX: +27 11 421 7842
EMAIL: SALES@DUALVALVES.COM

