

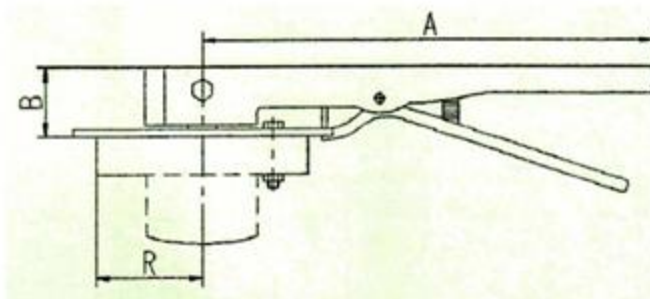


• **DESIGN FEATURES**

- 1600kPA (16bAR)
- Wafer disc available in Nickel-plated Cast Iron, Bronze and CF8M (316L) Stainless Steel.
- Epoxy powder coated body
- Blow out proof stainless steel stem
- Integral Replaceable EPDM rubber liner
- Hand lever or gearbox operated versions available
- SABS tested and JASWIC compliant
- BS5155 compliant

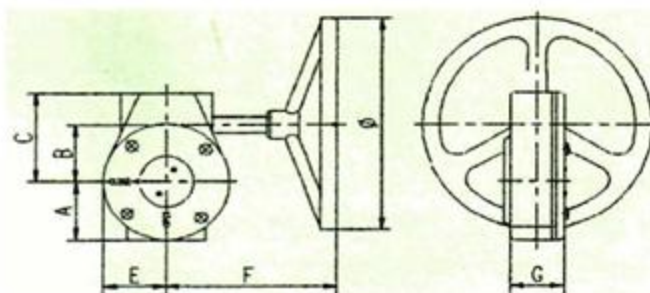
**MATERIAL OF MAIN PARTS**

BODY		DISC		SHAFT	BUSHING	SEAT		
NAME	CODE	NAME	CODE	NAME	NAME	NAME	CODE	WORKING TEMP
CAST IRON	Z	Plated Ductile Iron	Q	Stainless Steel  13% Chrome	Lubrized Bronze Or Fibre Vesconit	NR	X1	- 20 ~ + 85
						Hypalon	X2	- 18 ~ + 135
DUCTILE IRON	Q	Aluminum Bronze	T			EPDM	X3	- 25 ~ + 135
						Neoprene	X4	- 7 ~ + 93
ALUMINUM	T	Stainless Steel	S			NBR	X5	- 40 ~ +82
						Wear-resistant Rubber	X6	- 10 ~ + 50
STANLESS STEEL CF8M	P	Carbon Steel	C			VITON	X7	- 23 ~ + 294
STAINLESS STEEL	R	Nylon Coated	N	Heat-resistant Rubber	X9	- 2 ~ + 150		
CARBON STEEL	C	PTFE Coated	F	PTFE	F4	+10 ~ + 150		



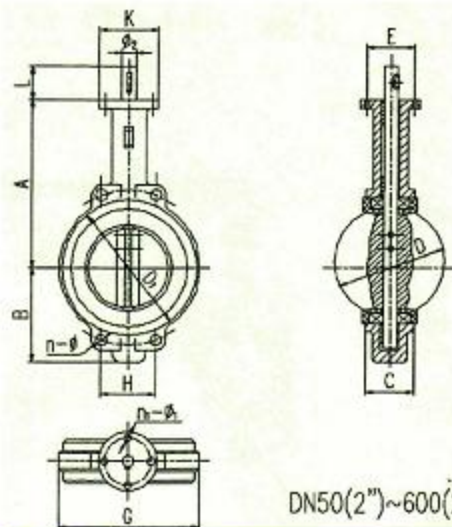
[Click here to zoom](#)

OVERALL DIMENSIONS & WEIGHT OF HANDLEVERS				
SIZE IN mm (inch)	A	B	R	WEIGHT Kg
50(2") ~ 100 (4")	266.7	32	52	0.8
125 (2") ~ 150 (6")	313	32	52	1.0
200 (8") ~ 250 (10")	359	45	75.2	2.0
300 (12")	490	45	75.2	3.0



[Click here to zoom](#)

OVERALL DIMENSIONS & WEIGHT OF WORM GEARBOXES									
MODEL	SIZE IN mm (inch)	A	B	C	E	F	G		WEIGHT Kg
3DB - 15	50 (2") ~ 150 (6")	52	45	74	52	152.5	75	150	4.8
3DB - 50	200(8") ~ 250 (10")	75	62.75	101	75	250	86	300	11.7
DB - 120	300 (12") ~ 350 (14")	81	80	118	81	227	83	300	14



[Click here to zoom](#)

DN50(2")~600(24")

Size																Weight
m	in	A	B	C	D	L	H	D <sub>1</sub>	N-Ø	K	E	n-Ø <sub>1</sub>	Ø <sub>1</sub>	G	n <sub>2</sub> -M	(kg)
50	2"	161	80	42	52.9	32	84.84	120	4-23	77	57.15	4-6.7	12.6	118	—	2.5
65	2.5"	175	89	44.7	64.5	32	96.2	136.2	4-26.5	77	57.15	4-6.7	12.6	137	—	3.2
80	3"	181	95	45.2	78.8	32	61.23	160	8-18	77	69.85	4-6.7	12.6	143	—	3.6
100	4"	200	114	52.1	104	32	70.80	185	4-24.5	92	69.85	4-10.3	15.77	156	—	4.9
125	5"	213	127	54.4	123.3	32	82.28	215	4-23	92	69.85	4-10.3	18.92	190	—	7
150	6"	226	139	55.8	155.6	32	91.08	238	4-25	92	69.85	4-10.3	18.92	212	—	7.8
200	8"	260	175	60.6	202.5	45	112.89 76.35	295	4-25 4-23	115	88.9	4-14.3	22.10	268	—	13.2
250	10"	292	203	65.6	250.5	45	92.40	357	4-29	115	88.9	4-14.3	28.45	325	—	19.2
300	12"	337	242	76.9	301.6	45	105.3	407	4-29	140	107.95	4-14.3	31.60	403	—	32.5
350	14"	368	267	76.5	333.3	45	91.11	467	4-30	140	107.95	4-14.3	31.60	436	—	41.3
400	16"	400	309	86.5	389.6	72	100.47	513	4-26	197	158.75	4-20.6	33.15	488	—	61
450	18"	422	328	105.6	440.51	51.2	88.39	565	4-26	197	158.75	4-20.6	38	539	—	79
						72	91.51	585	4-30							
500	20"	480	361	131.8	491.6	64.2	96.99	620	4-26	197	158.75	4-20.6	41.15	593	—	128
						82	101.68	650	4-33							
600	24"	562	459	152	592.5	70.2	113.42	725	20-30	276	215.9	4-20.6	50.65	816	—	188
						82	120.46	770	20-36							
700	28"	624	520	163	695	66	109.65	840	24-30	300	254	8-18	55	895	4-M33	484
						82	124	950	20-36				63.35			
800	32"	672	591	188	794.7	66	124	950	24-33	300	254	8-18	55	1015	—	368
						82	117.57	105	24-39				63.35			
900	36"	720	656	203	864.7	118	117.57	105	24-33	300	254	8-18	75	1115	4-M33	713
1000	40"	800	721	216	965	142	129.89	116	24-36	300	254	8-18	85	1230	4-M33	864
								0								

- Our glen wafer butterfly valves is rugged enough to work under the harshest conditions in water, oil and gas services
- Available in sizes from 80mm to 300mm. Robust S.G. iron and stainless steel
- Durable replaceable cartridge liner
- Suitable for pressures up to 1600Kpa and vacuum service
- Hand lever, gearbox, or actuator options
- The Glen offers dependability and versatility, adding up to better performance and cost saving

### FEATURES

Manufactured to BS 5155  
Replaceable cartridge type seat design  
Nylon epoxy backing ring ensures easy field maintenance  
Water-type for fitting between PN 10/16 and BS 10 flanges

### APPLICATIONS

Water, oil, gas, chemicals, powders and slurries

### RATINGS

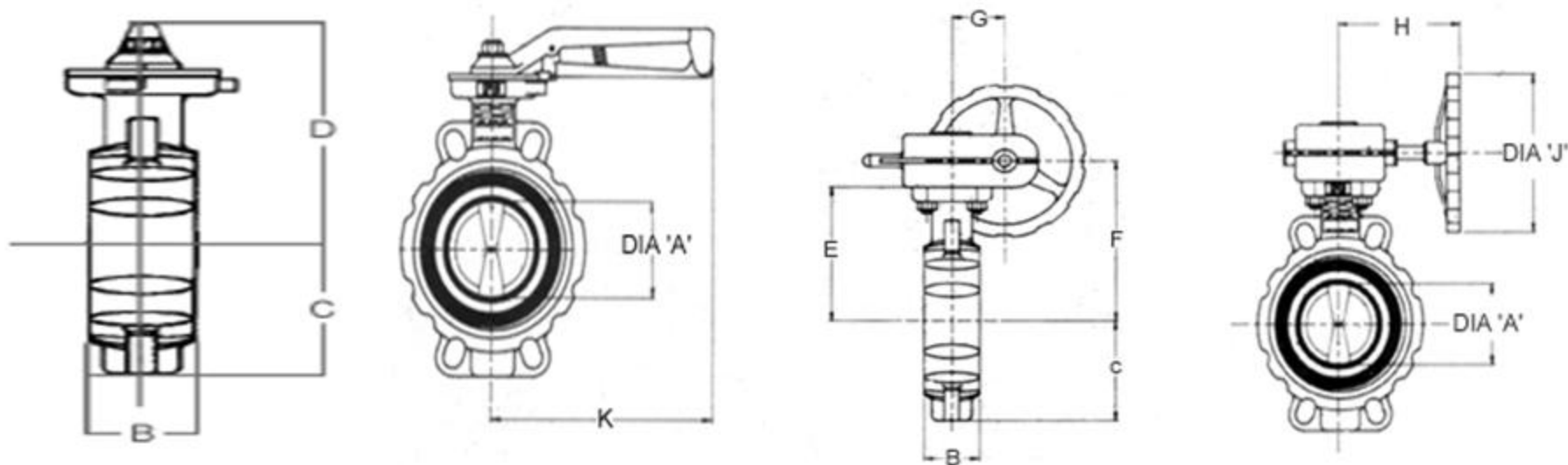
Vacuum up to 1600Kpa  
Temperatures:  
NBR seat up to 80°C  
EPDM seat up to 120°C

### MATERIALS

Body – spheroidal graphite iron grade SG42  
Disc – Spheroidal graphite iron Grade SG42 or 316 stainless steel or certain coatings and platings on request.  
Shafts – BS970-431-S29  
Seat – NBR or EPDM  
O-Ring – NBR or EPDM  
Lever – Melleable iron BS310/10



- OPERATION
- Flow control lever
- Gearbox
- Pneumatic and electric actuation



VALVE SIZE mm	A	B	C	D	E	F	G	H	J	K	MASS (Kg) WITH LEVER	MASS (kg) WITH GEARBOX
80	72	46	96	190	124	153	50	115	150	230	5.2	6.0
100	94	52	105	210	140	169	50	115	200	230	6.5	7.3
150	138	56	132	240	168	197	50	115	200	305	11.3	11.6
200	182	60	165	270	200	237	60	176	250	500	21.4	18.1
250	230	68	254	325	254	291	62	168	300	700	42.0	39
300	280	78	264	350	280	317	62	168	300	700	46.0	43

• **FEATURES AND BENEFITS**

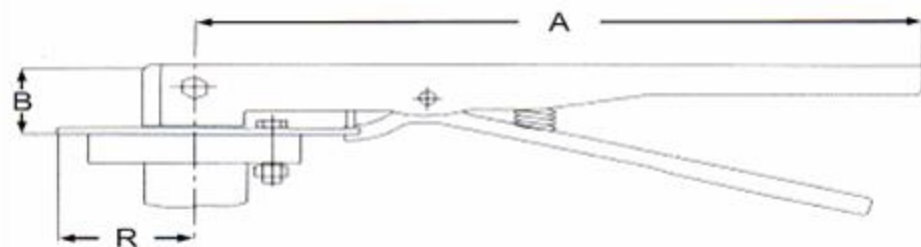
- Robust and compact
- Maintenance free with self-lubricating bearings
- Smooth, ¼ turn operation
- Bi-directional with “Zero” leak
- Wafer lug body eliminates use of gaskets
- Long neck to accommodate insulation
- Mounting flange dimensions and drilling in accordance with ISO Standard 5211/1
- Lugged body facilitates end of line service
- Replaceable phenolic backed liner
- Standard 10 and 16 bar working pressures
- Standard temperatures - 15°C to +105°C
- Higher temperatures and pressures on request
- Full throttling capability
- Easy and economical to install with electric / pneumatic / hydraulic actuators and accessories.



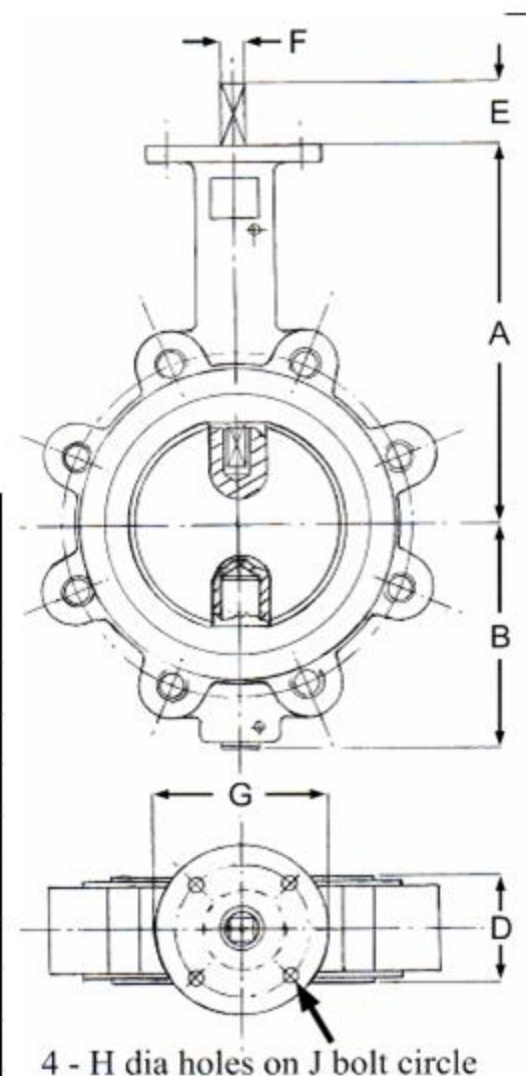
**TECHINICAL DATA AND MATERIAL SPECIFICATIONS**

<b>GENERAL</b>	SLIM 'LT' pinless disc, butterfly valves comply with American standards MSS SP67 and API 609 and generally conform to EN 593. They are designed to fit without gaskets between flanges drilled to the following specifications: SABS 1123 NP 1600 and BS 4504 PN 16 sizes DN 50 to DN 150 and SABS 1123 NP 1000 and BS 4504 PN 10 sizes DN 200 to DN 350. Other flange drillings on request.
<b>BODY</b>	Cast Iron to ASTM A126 Class B
<b>LINER</b>	EPDM Liner is bonded to a rigid phenolic backing ring to form a non-collapsible blow-out proof seat. Linder protrudes over body to provide self-sealing joint with mating flanges. Other liner materials on request.
<b>DISCS</b>	316 Stainless Steel to ASTM A351 Gr. CF8M Other disc materials on request The disc edge profile assures minimum operating torque. All discs are driven by square drive shafts.
<b>SHAFT</b>	Stainless steel type 316 for CF8M discs.
<b>SHAFT SEALS</b>	Smooth finished discs flats "mate" with liner flats to give highly efficient primary seals. In addition in the shaft hole areas pressure surge rings are moulded integral with liner forming secondary deals. A shaft weather seal is located near the mounting flange
<b>BARE SHAFT</b>	All sizes available with bare shaft for fitting proprietary actuators or preferred alternative operating mechanisms.
<b>TRIGGER LEVEL</b>	DN 50 to DN 300 incorporates a spring loaded trigger enabling the disc to be set in a number of intermediate positions from fully open to fully closed.
<b>COATING</b>	All valves are finished in protective epoxy coating.
<b>TAGGING</b>	Valves may be tagged to customers specifications.
<b>MARKINGS</b>	To EN 593 specifications.

# LUGGED BUTTERFLY VALVE pg 3 of 3



SIZE DN	A	B	R	Kg
50 - 150	267	32	51	0.9
200 - 300	359	38	76	2.3



4 - H dia holes on J bolt circle

SIZE DN	DIMENSIONS - mm									APPROX. WEIGHT kg
	D2	A	B	D*	E	F	G	H	J	
50	4-M16 on 125	161	87	43	32	8.98	92	10	70	4
65	4-M16 on 145	175	96	46	32	8.98	92	10	70	4
80	8-M16 on 160	181	102	46	32	8.98	92	10	70	5
100	8-M16 on 180	200	121	52	32	10.98	92	10	70	9
125	8-M16 on 210	213	134	56	32	13.98	92	10	70	11
150	8-M20 on 240	226	146	56	32	13.98	92	10	70	14
200	8-M20 on 295	260	182	60	38	16.98	125	12	102	18
250	12-M20 on 350	292	204	68	38	21.97	125	12	102	24
300	12-M20 on 400	337	243	78	38	21.97	125	12	102	40
350	16-M20 on 460	368	279	78	38	21.97	125	12	102	53



- FEATURES

- The valves are manufactured in double flanged, wafer and shouldered end (Victaulic) pattern. The principal feature of the Gonec Valve is its ability to seal against full line test pressure in both directions of flow – it is BI-Directional. Standard pressure ratings are available from 1.0MPa to 4.0Mpa (10 bar to 40 bar)
- The standard valve incorporates resilient rubber seal ring that is located in the valves body perimeter, offset to the disc shaft centre line – the shaft does pass through the seal. The seal and seat are spherically arranged with inference adjustable by increasing the pressure ring force through tensioning each clamp screw individually. Both seat and pressure rings are replaceable.
- All valves are manufactured in South Africa to comply to BS 5155.