

The design of this valve consists of two discs in contact with the parallel body seats by a light spring. The valve uses line pressure to effect tight closure. The flexibility of the disc assembly accommodates temperature changes in the line and, therefore, does not affect the action of the valve. When being opened or closed, the discs slide across the seat faces, thereby helping to dislodge any foreign matter that may be present. The valve operating stem is of the outside screw type rising through the handwheel.

Body	Cast Carbon Steel
Trim	Carbon Steel/Stellite
Size Range	DN40-DN300 Larger sizes available on request
Pressure Range	PN48 (DN40-DN150) PN35 (DN200 & Above) Higher pressures are available on request.
Max. Working Pressure	For Oil & Water DN40-DN150: 4800 kPa DN200 and above: 3500 kPa Steam DN40-DN150: 4800 kPa @ 425°C DN200 and above 1700 kPa @ 425°C
Hydrostatic Test Pressure	Body: 7200 kPa Seat: 4800 kPa (DN40-DN150) Body: 5250 kPa Seat: 3500 kPa (DN200-DN300)
Connections	Flanges drilled AS2129 Table C/D, E, F, H or J, ANSI or DIN.
Options	Open/Shut indicator, Remote position indicator, Chain wheel, Capstan handwheel, Water-sealed gland. Buttweld end connection, Gear, electric, pneumatic, or hydraulic actuation. Also available in a wide range of high pressure/high temperature designs up to and including ANSI 2500 special class.



Dimensions (mm) Larger Sizes Available

	Size	A	B	C	D	E	(Kg)	Cv	Kv
Table J	40	178	362	203	140	22	15	163	3.85
	50	245	410	203	165	25	30	309	7.29
	65	273	518	229	185	25	47	491	11.59
	80	292	549	254	205	32	52	719	17.0
	100	330	657	279	230	35	82	1302	30.7
	125	381	806	330	280	38	122	2073	48.9
Table H	150	394	886	381	305	38	164	3107	73.9
	200	444	1130	432	370	32	258	5643	133
	250	457	1422	508	430	35	381	9227	218
	300	508	1708	559	490	38	571	13616	321

Materials of Construction

ID	Part Description	Material
1	Body	Cast Carbon Steel
2	Bonnet	Carbon Steel
3	Discs	Carbon Steel/Stellite
4	Seats	Carbon Steel/Stellite
5	Stem	Stainless Steel
6	Handwheel	Cast Iron
7	Packing	Graphite

