

*Technologically,  
Advanced, Yet Economical!*



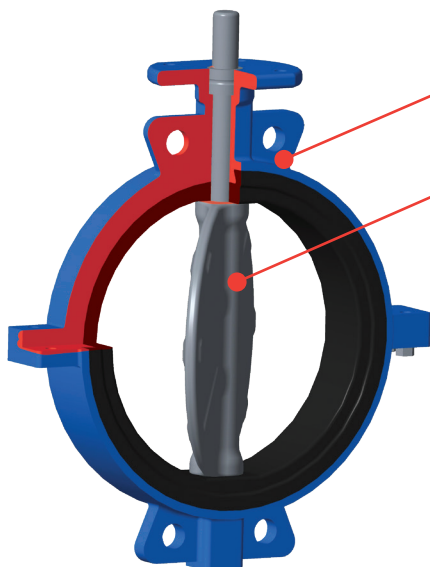
# RUBBER LINED / SEATED BUTTERFLY CONTROL VALVE

SERIES- 798 Wafer /791 Lug



TDK offers Customized End to End to Solution for all your Resilient Seated Butterfly Valves. Our Unique Butterfly Valve design ensures hassle free and reliable performance for all your specific Service conditions since last 30 years.

Depending upon your service conditions we customize the Valves in design and construction and offer the same in all Exotic Alloys like TITANIUM, HAESTALLOY C-22, R-55, S.S904-L, ALLOY-20, DUPLEX S.S.316/S.S.316-L LINED/ SEATED with a wide range of Polymers NITRILE, EPDM, NEOPRENE, BUTYL, HYPLON SILICON VITON etc., selected in consultation with the Buyer.



## UNIQUE DESIGN FEATURES

Valves Body is in two Piece Split design for ease of maintenance ensures fast assembly and disassembly of the Valve.

TDK offers Disc & Stem Single Piece Design, superior to old Taper pin drive or square hub design providing 100 % positive drive without any joint & thus eliminating the leakage path from Taper pin, Disc & Shaft joint.

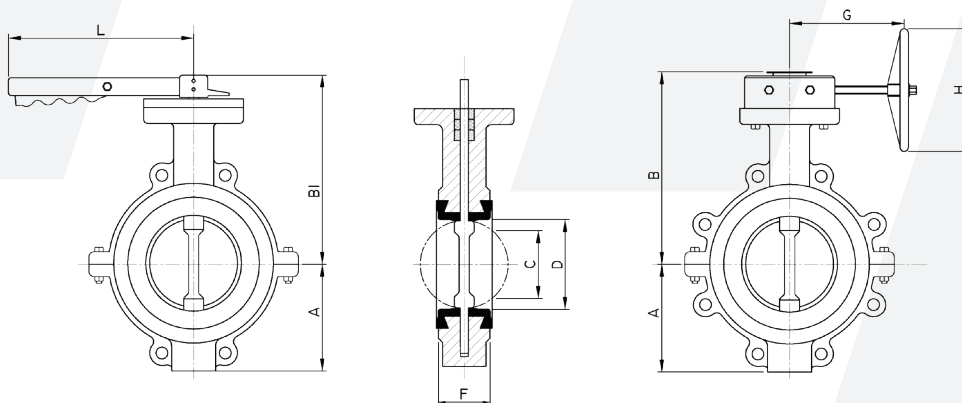
**Size 50 mm – 600 mm**

**Application:** Chemical / Petrochemical & Fertilizer Industry | Effluent treatment plants | Pharma & Beverages Industries | Air conditioning & Refrigeration Plants | Sugar Paper & Pulp Processing | Cement & Power Generation Plants | Steel & Mining Industry | Offshore & shipping Industry | Construction & utilities | Food & Water Industries



***Quality, At It's Best Always...!***

[tdkchemtrol.com](http://tdkchemtrol.com)



**Size Range:**  
50 MM TO 600 MM

**Design/Manuf. Std:**  
ISO 5752 , API 609 , MSS SP 67

**End Connections:**  
WAFER, LUG, FLANGED

**Flange. Standard:**  
ASA 125 /150, BS-10 TABLE D / E  
ND-10, JIS-10 K

**Pressure Rating:**  
150 PSI & FULL VACCUM

**Testing:**  
API 598

Size MM	A	B	B1	C	D	F	G	H	L
50	75	160	125	26	48	43	145	110	175
65	80	175	140	49	64	46	145	110	175
80	90	180	150	62	73	46	145	110	175
100	118	195	170	90	100	52	215	200	265
125	140	220	-	122	130	56	215	200	-
150	145	235	-	138	144	56	215	200	-
200	180	270	-	191	195	60	215	250	-
250	205	320	-	241	245	68	215	250	-
300	245	355	-	291	295	78	250	350	-
350	290	415	-	328	331	78	315	400	-
400	305	460	-	376	382	102	315	500	-
450	350	495	-	429	435	109	330	500	-
500	385	532	-	473	482	127	330	500	-
600	445	630	-	557	570	154	350	600	-

#### MATERIAL OF CONSTRUCTION - OPTIONS

BODY	DISC	SEAT	OPERATION	ACCESSORIES
CAST IRON	DUCTILE IRON / CARBON STEEL	NITRILE / HNBR	BY MANUAL HANDLEVER	SOLENOID VALVES
DUCTILE IRON	S.S.316 /316L / Alloy-20 as per ASTM A 315 CF8 CF8M/ CF3M / CN7M	EPDM / FOOD / GRADE	BY WORM GEAR BOX	LIMIT SWITCHES
CARBON STEEL	DUPLEX /SUPER DUPLEX - as per ASTM A 894 GR CE8MN /CE3MN	NEOPRENE	BY PNEUMATIC ROTARY ACTUATOR	ELECTROPNEUMATIC POSITIONER
S.S.316 / 316L CF8 / CF8M / CF3M	S.S.904L / R-55/ HAESTALLOY C-22 as per ASTM A 894 CX2MW	SILICON	BY PNEUMATIC LINEAR CYLINDER	SMART POSITIONER
ALLOY-20	TITANIUM GRADE-2	VITON (FKM)	BY ELECTRICAL ACTUATOR	MANUAL OVERDRIVE

#### BUTTERFLY VALVE ELASTOMER / RUBBER SEAT - SELECTION GUIDE

Elastomer	Buna-N (Nitrile)	Chloroprene (Neoprene®)	Ethylene Propylene (EPDM)	Hyplon	Fluorocarbon (Viton®)
<b>Brief Summary For Suitability</b>	Nitrile has good mechanical properties and high wear resistance relative to other elastomers. BUNA-N is highly resistant to hydraulic fluids, water, alcohols, acids, petroleum-based oils, fuels, silicone greases, etc. However, it is not suitable for applications that involve acetones, ketones, chlorinated hydrocarbons, nitro hydrocarbons, or ozone.	Neoprene® exhibits good oil, ozone, weather, aging, refrigeration and chemical resistance. It also has good mechanical properties. Neoprene gives excellent service in contact with aliphatic hydrocarbons /hydroxy compounds.	Ethylene Propylene Copolymer has excellent resistance to acids and alkalines Steam Service. It is also tear-resistant and stands up to weather elements and ozone. EPDM is widely used in HVAC systems. However, EPDM is not suitable for applications that involve lines with compressed air containing petroleum-based oils, hydrocarbon solvents or oils, chlorinated hydrocarbons, turpentine, etc.	Hyplon Rubber has good abrasion Resistance & mechanical properties ,excellent resistance to ozone, oxidation, weathering, and oxidizing chemicals such as concentraed Sulphuric acid and hypochloride solutions. Hypalon performs well in wide range of other chemicals & solvents	Responds very well with resistance to ozone, high temperatures, oxygen, mineral oil, synthetic hydraulic fluids, fuels, aromatics and many organic solvents and chemicals. Good resistant to mineral acids and hydrocarbon products that are either concentrated or diluted. Not recommended for exposure to ketones, amines, low molecular weight esters and ethers, nitro hydrocarbons, hot hydrofluoric or chlorosulfonic acids, or Skydrol® fluids
<b>Temp. Range</b>	-30°C to +90°C	-40°C to +120°C	-50°C to +140°C	-40°C to +135°C	-50°C to +200°C



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