

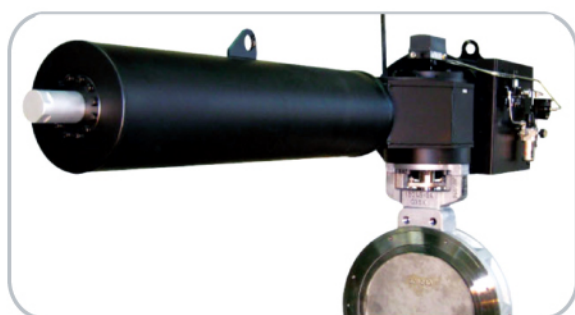
V600 series



Triple - Offset Butterfly Valves

V600 Series

The V600 series triple-offset butterfly valve high-performance in a rotary valve package. Its patented seating concept and adjustable travel actuator reduces dynamic unbalanced forces and permits seven flow rate adjustments.



Standard Specification

Triple Offset Butterfly Style

Size	6" to 52" (DN150...DN1300)
Rating	ANSI 150Lb to 1500Lb
Leakage	FCI 70-2 Standard : ANSI Class (Metal Seat) V Option : ANSI Class VI
Cv Range	130 to 80,000
Press. Range	Up to 3,400 psi (g) Up to 200 Kg/cm ²
Temp. Range	-150°F to +1,050°F -100°C to +565°C Option : -320°F to +1,562°F -196°C to 850°C
Material	Carbon Steel (WCB, WCC) Stainless Steel (CF8, CF8M, CF3, CF3M) Chrome-moly (WC6, WC9, C12A) other alloys
End Connection	Wafer Flange less, Luged, Double Flange
Actuators	Spring-diaphragm, Cylinder, Motorized, Electro-Hydraulic
Applications	Fuel gas control, Low Pressure Steam & Water, General Services, Flash Tank, Condensate Recirculation, Auxiliary Steam, Deaerator Pegging Steam

V600 series

Feature

- **No - Friction**

The triple offset eliminates all friction throughout the operating cycle. And a vastly extended valve life.

- **No - Over travel**

The triple offset is the geometry design of the angle cone disc sealing components. Contact is only made at the final point of closure with the 90 degrees acting as a mechanical stop : resulting in no over travel of the disc set.

- **Wide range**

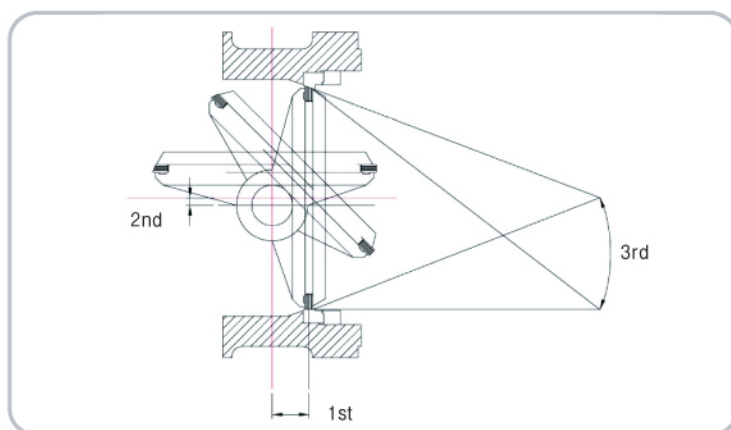
Non gelling design enable a wide variety of material options and wide range of application from the low to high temperature & pressure.

- **Zero - Leakage**

Metal to metal sealing allowing for higher pressure and temperature applications whilst still providing tight shut off.

- **Ease - Maintenance**

Field replaceable seat and seal ring reduces maintenance costs.



Geometry

- **Single Offset - 1st offset**

To allow displacement of the seat the shaft is offset from the centre line of and body seal.

- **Double Offset - 2nd offset**

The centre line of the bore.

This creates a cam action during operation to lift the seat out of the seal resulting in friction during the first 10 degrees of opening and final 10 degrees of closing.

- **Triple Offset - 3rd offset**

The third offset is the geometry design of the sealing components not the shaft position.

The sealing components are each machined into an offset conical profile resulting in a right angled cone (see Fig 1-3rd).