

**Flow**Line


*Series 70/71*

*Wafer & Lug Style  
Sizes 1" - 1.5"*



**Cartridge Seated Butterfly Valves**

# FEATURES

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- **ISO 5211 shaft** for ease of actuation
  - **ISO 5211 top plate** for flexibility of direct mounting options
  - **Environmental shaft seal** to keep contaminants from entering shaft bore
  - **Offset shaft retainers** mechanically retain the shaft ensuring a blow out proof design
  - **One piece Polyester coated body**
  - **Streamlined disc** with no pins or screws in flow path
  - **Primary seal** provides a smooth flow conduit and prevents media buildup in crevices normally found with traditional designs
  - **High strength upper and lower shafts** with triple shaft seals
  - **Two self lubricated bronze bearings** to eliminate side loading
  - **Double D Drive** for a positive disc/shaft connection with no pins or bolts exposed to flow
  - **Proven pressure responsive 360° sealing method** uses constant pressure between machined radius on disc and flatted area of the seat that eliminates the “squeeze” of the interference seat design our competition relies on
  - **Phenolic Vulcanized cartridge seat** with primary and secondary seals provide no movement of elastomer
  - **Two secondary shaft seals** located inside the seat shaft holes

The **Series 70 wafer** style and **Series 71 lug** style are the latest technological advances made by Flow Line. The number of new innovations makes this the most durable and versatile small butterfly valve product on the market today. All series 70/71 valves, regardless of the rated working pressure, are vacuum rated to 29.92” of Mercury Gauge (0 micron).

## INNOVATIONS IN BODY DESIGN

**Lug** and **Wafer** style body with ISO 5211 Standards.

- **Ease of Automation.**
- **Versatility in piping systems.**

## INNOVATIONS IN SEAT DESIGN

Phenolic backing vulcanized to the elastometers provides the following

- **Pressure ranges from 50psi Undercut to 200psi Full cut, to 285 Max Cut.**
- **Vacuum rated to 29.92 inches of mercury gauge**
- **Ease of installation.**
- **Controlled torques.**

## INNOVATIONS IN DISC DESIGN

No through shaft provides

- **Higher flow through the valve.**
- **Positive disc to shaft engagement.**
- **Lower torques.**

## INNOVATIONS IN SHAFT DESIGN

ISO 5211 Standard.

- **Provides Ease of Automation.**