

32" - 60" (800mm-1500mm) SERIES 35F

PRESSURE RATINGS

BIDIRECTIONAL BUBBLE-TIGHT SHUT-OFF Downstream Flanges/Disc in Closed Position

32-60" (800-1500mm)	75 psi (5.2 Bar)
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DEAD-END SERVICE No Downstream Flanges/Disc in Closed Position

32-60" (800-1500mm)	30 psi (2.1 Bar)
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BODY: 250 psi (17.2 Bar) CWP

VELOCITY LIMITS For On/Off Services:

Fluids 30 ft/sec (9 m/s)	Gases 175 ft/sec (54 m/s)
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STANDARD MATERIALS SELECTION

NAME	MATERIAL
Body	Cast Iron
	Ductile Iron
Disc	Hastelloy®
	Duplex Stainless Steel
	Super Austenitic Stainless Steel
Stem	304 Stainless Steel
	316 Stainless Steel
Seat	Bonded EPDM
	Bonded BUNA-N
Packing	BUNA-N
Bearings	Bronze
Thrust Bearing	Bronze

Material availability depends on valve size & series. Other materials are available. Please consult your local Bray representative for your specific application.

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Bray Series 35F large diameter butterfly valves are designed specifically for high chloride services. Bray has carefully selected valve materials and features that optimize performance without sacrificing system efficiency. Series 35F valves offer rugged reliability in a light weight design.

BODIES: One piece double flanged style. All bodies are drilled to be compatible with ASME 125, PN 16 and other international flange standards.

BLOW-OUT PROOF STEM: Retention system secures the stem in the unlikely event of internal failure.

PRIMARY & SECONDARY SEALS: These seals prevent line media from coming in contact with the stem or body. *Primary Seal* is achieved by an interference fit of the molded seat flat with the disc hub. *Secondary Seal* is created because the stem diameter is greater than the diameter of the seat stem hole.

ADJUSTABLE PACKING SYSTEM: Design allows for field adjustment of stem packing without removing manual operators or power actuators. The advanced, self-adjusting V-Type stem packing prevents external substances from entering the upper stem bore.

INTERNAL DISC/STEM CONNECTIONS: Protect stem components by eliminating external disc screws or taper pins.

THIN PROFILE DISC: Provides a higher C_v and greater pressure recovery than typical large diameter valves resulting in lower pressure drops.

All Bray valves are pressure tested to 110% of rated pressure to assure bubble tight shutoff.