



**Sizes:** 2", 2-1/2", 3", 4", 6", & 8"

**Type:** BFA- Butterfly Valve - Cast Iron Lug Style Flanged Handle

Model BFA (31H) is a lug type butterfly valve. Its high strength through-stem design allows easy disassembly and reduced disc to stem failure. The superior quality and high pressure manual butterfly valves meet today's Heating, Ventilating & Air Conditioning (HVAC) requirements. It's rated for 250 psi bidirectional dead end service. Lug valves are drilled and tapped to meet ANSI Class 125/150 and PN16 flanges .

<b>MATERIAL SPECIFICATIONS</b>	
Body	Cast Iron
Seat	Bonded EPDM
Disc	Aluminum-Bronze
Stem	416 Stainless Steel
<b>PRESSURE RATINGS</b>	
Bidirectional bubble-tight shut off & dead-end service	
2-12" (50-300mm)	250 PSI (17.2 Bar)
Velocity Limits for On/Off Services:	
Fluids 30 ft/sec (9 m/s)	Gases 175 ft/sec (54 m/s)





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**Seals:**

Primary and secondary seals prevent line media from coming in contact with the stem or body.

**Stem:**

Precision double "D" disc to stem connection drives the disc without the need for screws or pins. Disassembly of the stem is just a matter of pulling the stem out of the disc.

**Seat:**

The torque and groove seat design lowers torque and provides complete isolation of flowing media from the body. The seat also features a molded O-ring which eliminates the use of flange gaskets.

**Stem Retaining Assy:**

The stem is retained in the body by a means of a unique Stainless Steel Spirolox® retaining ring, a thrust washer and two C-rings. The retaining ring may be easily removed with a standard hand tool. The stem retaining assembly prevents unintentional removal of the stem during field service.

**Stem Bushing:**

Non-corrosive heavy duty acetal bushing absorbs actuator side thrust.

**Stem Seal:**

Double "U" cup seal design is self-adjusting and gives positive sealing in both directions.

**Neck:**

Extended neck length allows for 2" of piping insulation and is easily accessible for mounting actuators.

**Disc:**

Casting is spherically machined and hand polished to provide a bubble-tight shut off, minimum torque, and longer seat life.

**Body:**

One-piece wafer or lug style. Polyester coating for excellent corrosion resistance. Nylon 11 coating is available as an option.

