



# SERIES 36H 22"-60" (550mm-1500mm)

## PRESSURE RATINGS

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

22-60" (550-1500mm)	232 psi (16 Bar)
---------------------	------------------

**DEAD-END SERVICE** No Downstream Flanges/Disc in Closed Position

22-60" (550-1500mm)	150 psi (10.3 Bar)
---------------------	--------------------

**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)
--------------------------	---------------------------

## STANDARD MATERIALS SELECTION

NAME	MATERIAL
Body	Ductile Iron
Disc	Nylon 11 Coated, Ductile Iron 316 Stainless Steel
Stem	17-4 PH Stainless Steel
Seat	Bonded EPDM Bonded BUNA-N
Packing	BUNA-N
Bearings	Lubricant Impregnated 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.

Bray Controls is proud to offer a line of superior quality, high pressure manual butterfly valves that meet many of today's requirements in the process industry. *Note: Series 36H valves will not be automated.* Series 36H large diameter, double flanged valves are rated for 232 psi (16 Bar) bidirectional dead end service. Series 36H double flanged valves are drilled and tapped to meet ASME Class 125/150 and PN10 flanges.

**DISC:** Disc edge sealing surface is spherically machined and hand polished to provide a bubble-tight shutoff with minimum torque and extended seat cycle life.

**SEAT:** Tongue and groove seat design, bonded to the body, is designed to seal with slip-on or weld-neck flanges. Seat totally encases the valve interior to isolate the line media from the body. Molded seat O-ring provides seal between valve and pipe flanges. Flange gaskets should not be used with this valve.

**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.

**STEM:** Stem completely isolated from the flowing media.

**Note:** Disc-stem connection on the Series 36H is a taper-pin connection.

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

