

MANUAL

BUTTERFLY VALVES

Sizes
2"-24"

Cartridge Seated | 200 PSI (2"-12") * 150 PSI (14"-24") CWP

DYNAFLY 700/722 SERIES: HVAC, COMMERCIAL, UTILITY AND GENERAL INDUSTRIAL APPLICATIONS



DYNAQUIP BUTTERFLY VALVES offer the most widely used body and disc materials in the industry. Available in economy and high performance series, with lug and wafer style valves ranging in size from 2" to 24", DynaQuip Butterfly valves give you the opportunity to build a valve customized to your needs.

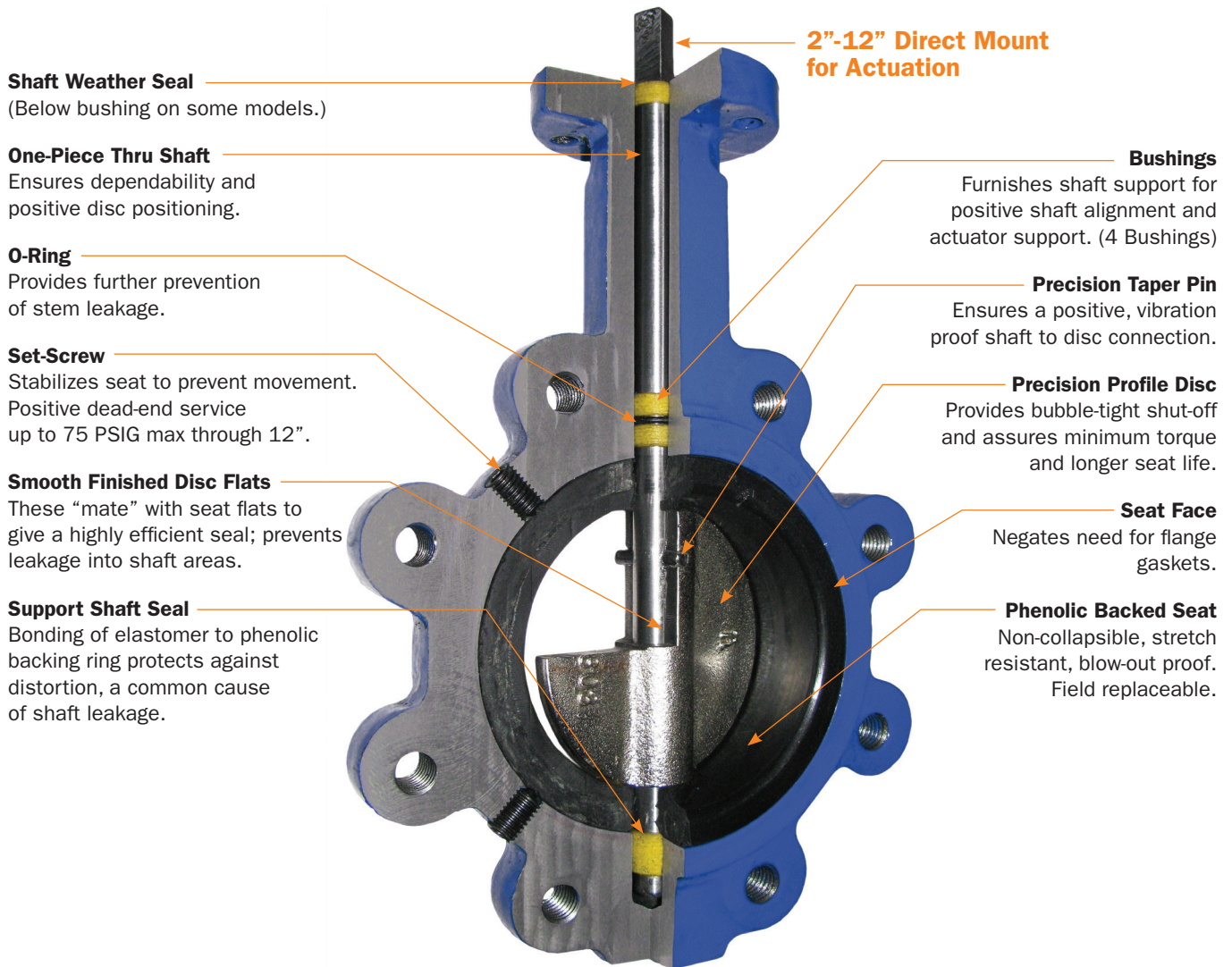
- Wafer (700) or Lug (722) Style Bodies
- Cartridge Style Seat
- Low Torque
- Extended Neck for Insulating
- One-Piece 416 SS Stem with Precision Taper Pins



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DynaQuip Controls • 10 Harris Industrial Park • St. Clair, MO 63077 • Tel. 800-545-3636 • Fax. 636-629-5528

MANUAL BUTTERFLY VALVES: FEATURES AND SPECS



Shaft Weather Seal
(Below bushing on some models.)

One-Piece Thru Shaft
Ensures dependability and positive disc positioning.

O-Ring
Provides further prevention of stem leakage.

Set-Screw
Stabilizes seat to prevent movement. Positive dead-end service up to 75 PSIG max through 12\".

Smooth Finished Disc Flats
These "mate" with seat flats to give a highly efficient seal; prevents leakage into shaft areas.

Support Shaft Seal
Bonding of elastomer to phenolic backing ring protects against distortion, a common cause of shaft leakage.

2"-12" Direct Mount for Actuation

Bushings
Furnishes shaft support for positive shaft alignment and actuator support. (4 Bushings)

Precision Taper Pin
Ensures a positive, vibration proof shaft to disc connection.

Precision Profile Disc
Provides bubble-tight shut-off and assures minimum torque and longer seat life.

Seat Face
Negates need for flange gaskets.

Phenolic Backed Seat
Non-collapsible, stretch resistant, blow-out proof. Field replaceable.

Body: Material for the wafer style and lug style of ductile iron. Compatible with ANSI 125/150 flanges.

Top Plate Standard ISO 5211:
Accommodates all types of actuators; handles gear operators, electric and pneumatic actuators.

Dead End Service Set Screws: 2 places in valves up to 6" at 3 and 9 o'clock positions, 4 places in larger valves at 2, 4, 8 and 10 o'clock positions. Positioned on outer perimeter through valve body to phenolic backing.

Precision Profile Disc: Ductile iron provides bubble-tight shut-off and assures minimum torque and longer seat life.

Finished Disc Flats: These mate with seat flats to give a highly efficient seal; prevents leakage into the shaft area.

Optional Disc Material: Aluminum bronze, 316 stainless steel.

One-Piece Thru Shaft: Ensures dependability and positive disc position. 416 stainless is standard.

Precision Taper Pins: Ensure positive, vibration proof, shaft to disc connection. Easily field replaceable. 316 stainless standard.

Supported Shaft Seal: Bonding of elastomer to phenolic backing ring protects against distortion, a common cause of shaft leakage.

Teflon Bushings Standard (Four):
Furnishes shaft support at three locations for positive shaft alignment and actuator support and less friction. Luberized bronze optional.

Shaft Weather Seal: Below bushing on some models.

Phenolic Backed Seat: Non-collapsible, stretch resistant, blow-out proof, and easily field replaceable. Nitrile or EPDM standard.

Seat Face: Negates need for flange gaskets.

Temperature Range: Dependent on material, see chart.

Operator Options: 10 position handle (2"-12"), Manual gear operators (2"-24"), Electric or Pneumatic Actuators.



MANUAL BUTTERFLY VALVES

DYNAFLY 700/722 SERIES: HVAC, COMMERCIAL, UTILITY AND GENERAL INDUSTRIAL APPLICATIONS



CONSTRUCTION SPECIFICATIONS:

Body: Ductile iron

Disc: Ni-coated ductile iron, 316 stainless steel

Stem: 416 stainless steel

Resilient Seat: EPDM, Buna-N

Stem Bushings: PTFE

Disc Taper Pins: 316 stainless steel

O-Ring: EPDM, Buna-N

Set Screws: Carbon steel



Scan code for
more information

PHENOLIC BACKED SEAT PROVIDES THE FOLLOWING ADVANTAGES:

1. Wide flange-face sealing area provides a tight flange-to-valve seal without the use of gaskets.
2. Allows tight shut-off with minimum movement of the seat material to reach the closed position in the center of the seat for ease of actuation.
3. The wide sealing area around the shaft provides a positive seal isolating the shaft from the media.

About DynaQuip

Now entering our sixth decade, DynaQuip Controls® continues its long-standing commitment to designing and manufacturing superior products and providing outstanding personal service. Electric actuators and valve automation designs lead our drive as we focus on the products of tomorrow. Today, our product lines and design expertise have grown to include electric actuators, electronic actuator controls, automated ball valves, automated butterfly valves, pneumatic actuators, manual ball valves and butterfly valves.

Our Vision

To satisfy the individual needs and demands of our industrial, commercial and residential customers by providing innovative and solutions oriented valve and fluid control products.



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