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**CENTER LINE® Resilient Seated Butterfly Valves
Now All Ductile Iron Body Standard on Series 200**

CRANE®

Energy Flow Solutions

www.craneenergy.com



Center Line® Key Features and Applications



Key Features

- 1 Suitable for both gaseous and liquid service
- 2 Positive shutoff bi-directionally
- 3 Direct mount automation

Typical Applications

- HVAC
- Chemical/Petrochemical Processing
- Food and Beverage
- Power and Utilities
- Pulp and Paper

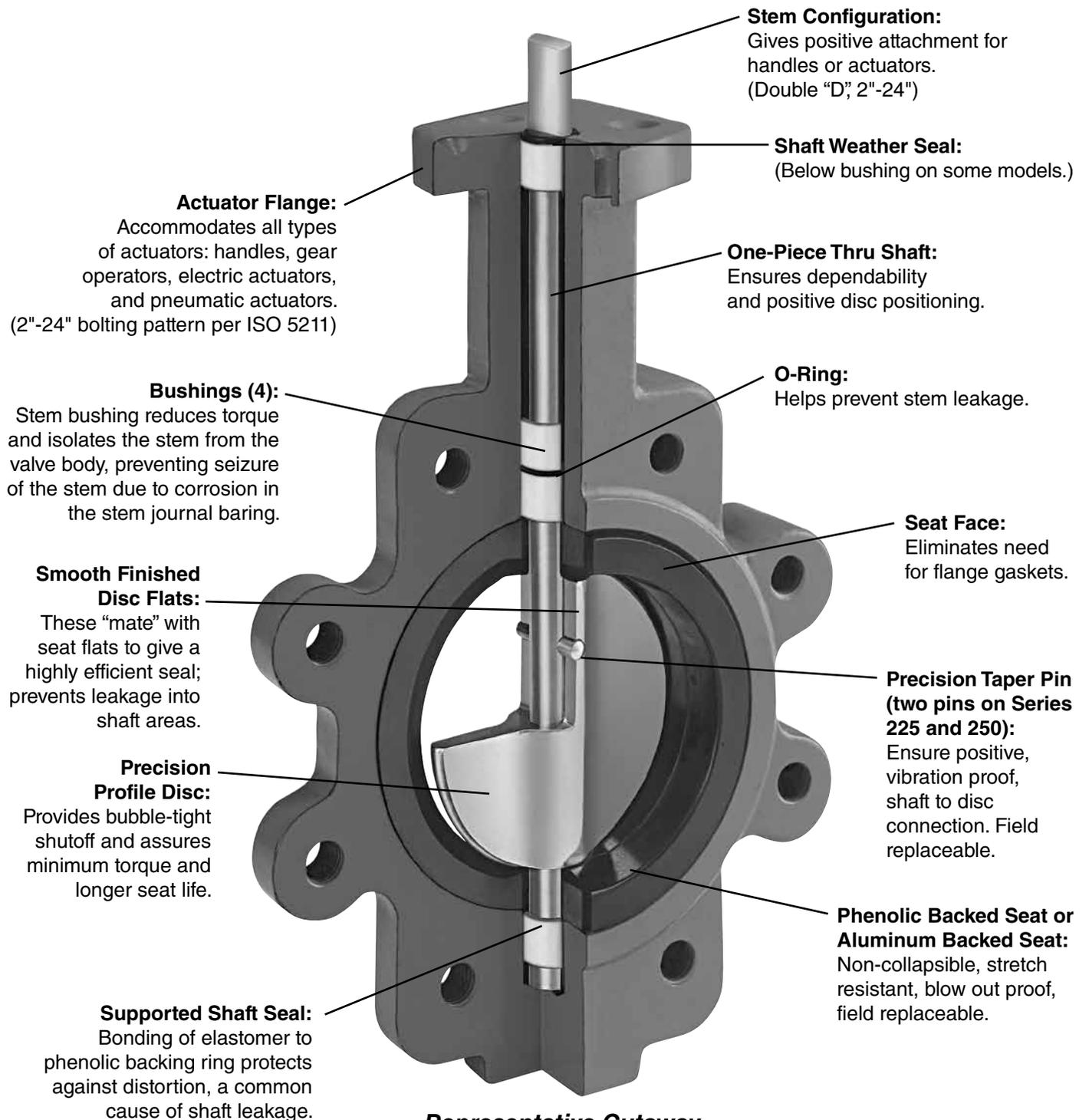
Center Line® has been a market leader in quarter-turn valves for more than 40 years, and we have earned a reputation as a supplier of superior valves at competitive prices. Our goal is to exceed industry requirements and customer expectations.

We are committed to offering products that meet a wide range of applications and requirements. We continually improve our product line by introducing new products and enhancing existing designs, providing our customers with the best products on the market.

Our complete line of resilient seated butterfly valves provides you with the reliability you need, backed by the assurance that comes with using valves designed and produced in company-owned manufacturing facilities.

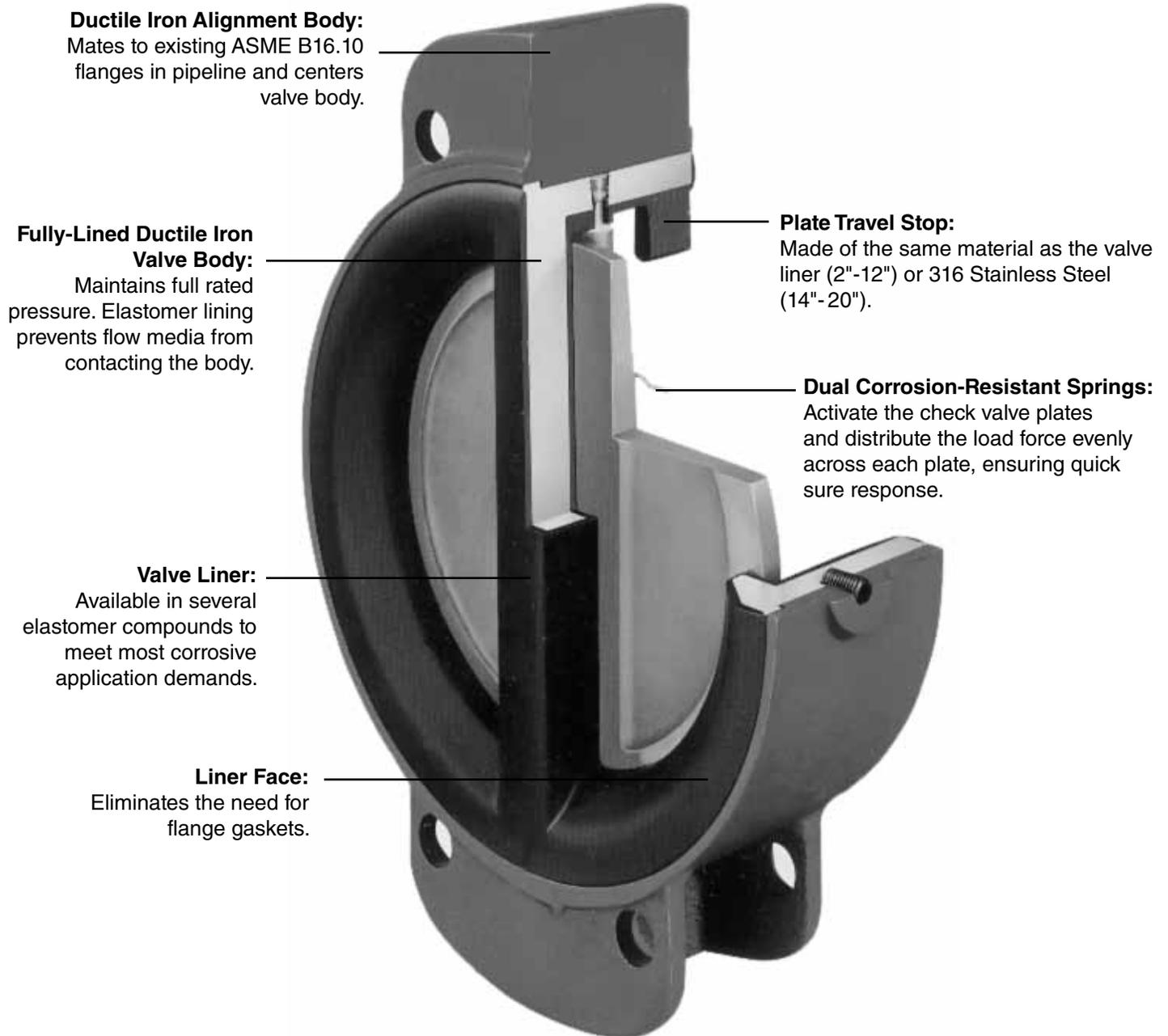
Series 200 - 225 - 250 Overview

Quality is designed into Series 200, 225, and 250 butterfly valves from Center Line®. These valves feature a phenolic backed or aluminum backed cartridge seat and precision-machined parts to assure years of dependable operation.



Series 800 Overview

If you want cost-effective backflow protection for your piping systems, look at what the Series 800 from Center Line® has to offer. It's the only fully elastomer-lined insert check valve available. The ductile iron valve body is completely isolated from line media which can extend the service life of the Series 800 in most applications and makes it an especially economical alternative in applications which would otherwise require check valves made of expensive alloys.



Actuators

ELECTRIC – ON-OFF

Standard Features:

Torque Range – 347 lb ins to 17,359 lb ins
 Housing – NEMA 4 & 4X
 Electric Motor – 120 VAC, 1 PHASE, 60 Hz
 Thermal Overload – Auto re-set
 Limit Switches – Adjustable cam operated
 Position Indicator – Mechanical Dial Type
 Space Heater – Located in the control compartment
 Terminal Strip – Pre-wired for motor & limit switches
 Manual Override – Directing acting
 Brake – “Lock-cut” gear arrangement
 Adjustable Mechanical Travel Stops
 Temperature Range – -13°F to 131°F
 Mounting – Direct mount to Crane valves
 Certification/Approvals – CSA-NRTL/C

Optional Features:

AC Voltages – 220 VAC, 1 PHASE, 60 Hz
 AC Voltages – 24 VAC 44005 - 44400
 DC Voltages – 12/24 VDC 4005 - 44300
 Additional Limit Switches – 2 SPDT
 Torque Switches – Adjustable open and close
 Feedback Potentiometer – 500 ohm
 Feedback Transmitter – 4-20 mA
 De-clutchable Handwheel Override



ELECTRIC – MODULATING

Standard Features:

Process Control Signal – 4-20 mA, 0-10 VDC
 Torque Range – 347 lb ins to 17,359 lb ins
 Housing – NEMA 4 & 4X
 Electric Motor – 120 VAC, 1 PHASE, 60 Hz
 Thermal Overload – Auto re-set
 Resolution – 400 increments through 90 degrees
 Position Indicator – Mechanical Dial Type
 Space Heater – Located in the control compartment
 Terminal Strip – Pre-wired for motor & limit switches
 Manual Override – Directing acting
 Brake – “Lock-cut” gear arrangement
 Adjustable Mechanical Travel Stops
 Temperature Range – -13°F to 131°F
 Mounting – Direct mount to Crane valves
 Certification/Approvals – CSA-NRTL/C

Optional Features:

AC Voltages – 220 VAC, 1 PHASE, 60 Hz
 AC Voltages – 24 VAC 44010M - 44200M
 Torque Switches – Adjustable open and close
 De-clutchable Handwheel Override

Actuators

PNEUMATIC – DOUBLE ACTING

Standard Features:

- Torque Range – 62 in-lbs to 47,250 in-lbs
- Housing – Extruded aluminum, ASTM B210 (6063)
- Mounting – DIN ISO 5211, direct mounting to Center Line® butterfly valves
- Position Indicator – NAMUR standard
- Operating Pressure – 40 to 150 PSIG
- Temperature Range – -10°F (-23°C) to 176°F (80°C)
- Size Range – 15 models to choose from
- Adjustable Travel Stops – Both directions
- Accessory Interfaces – VDI/VDE 3845 (NAMUR) standard

Optional Features:

- Temperature Range – 10°F to 250°F, -55°F to 176°F
- Solenoid Valves – 3 or 4 way
- Limit Switches – Adjustable cam operated
- Positioners – Pneumatic or Electro-pneumatic
- Manual Override – De-clutchable gear type
- Speed Controls – Adjust cycle time
- Special Applications – Water, Nitrogen, and compatible hydraulic fluids may be used to operate

PNEUMATIC – SPRING RETURN

Standard Features:

- Torque Range – 40 in-lbs to 45,466 in-lbs
- Housing – Extruded aluminum, ASTM B210 (6063)
- Mounting – DIN ISO 5211, direct mounting to Center Line® butterfly valves
- Position Indicator – NAMUR standard
- Operating Pressure – 40 to 150 PSIG
- Temperature Range – -10°F (-23°C) to 176°F (80°C)
- Size Range – 15 models to choose from
- Adjustable Travel Stops – Both directions
- Accessory Interfaces – VDI/VDE 3845 (NAMUR) standard

Optional Features:

- Temperature Range – 410°F to 250°F, -55°F to 176°F
- Solenoid Valves – 3 or 4 way
- Limit Switches – Adjustable cam operated
- Positioners – Pneumatic or Electro-pneumatic
- Manual Override – De-clutchable gear type
- Speed Controls – Adjust cycle time
- Special Applications – Water, Nitrogen, and compatible hydraulic fluids may be used to operate



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