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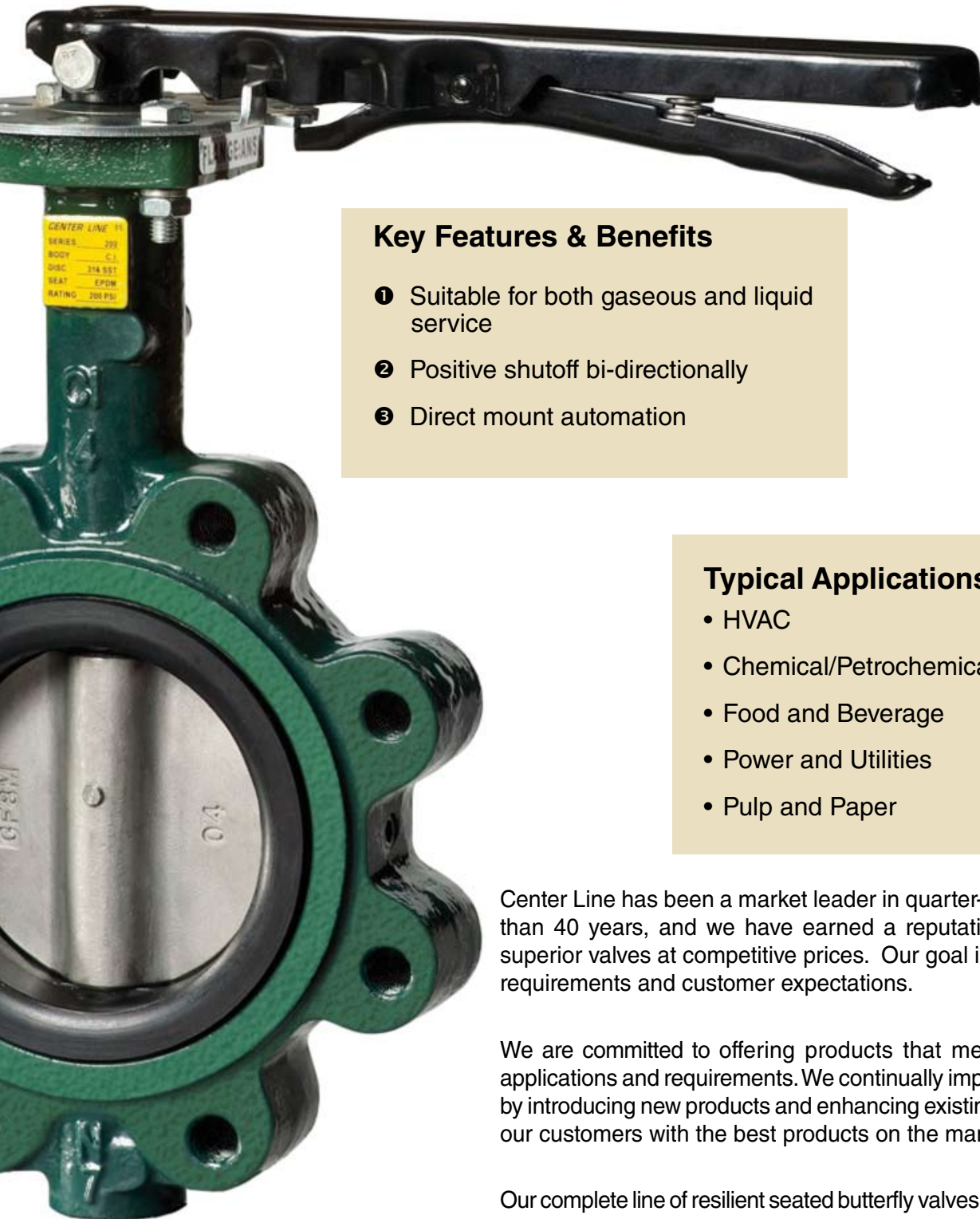
CENTER LINE® - Resilient Seated Butterfly Valves  
Now All Ductile Iron Body Standard on Series 200

**CRANE**

Energy Flow Solutions

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## Key Features & Applications



### Key Features & Benefits

- ❶ Suitable for both gaseous and liquid service
- ❷ Positive shutoff bi-directionally
- ❸ Direct mount automation

### Typical Applications

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

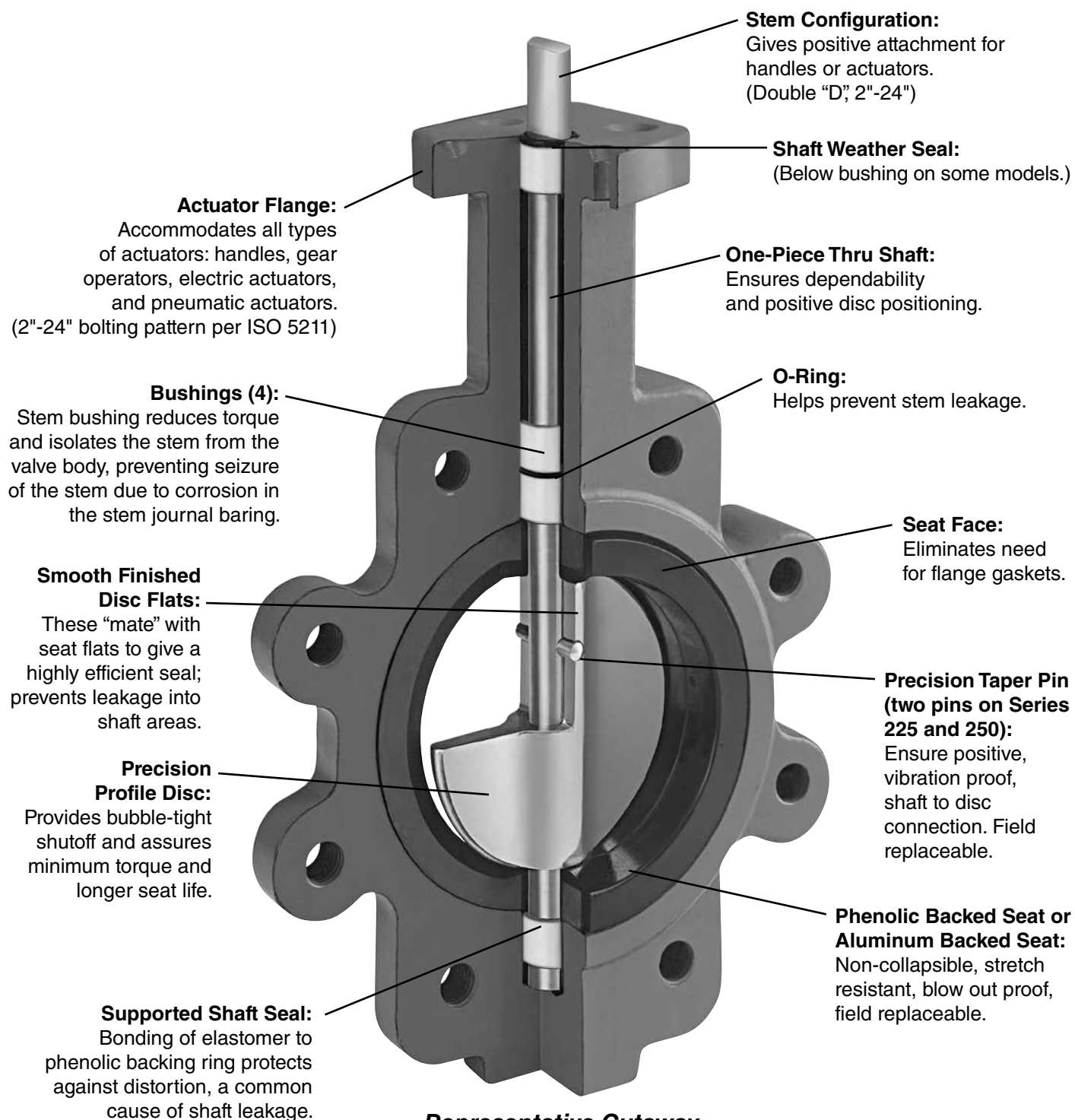
Center Line has been a market leader in quarter-turn valves for more than 40 years, and we have earned a reputation as a supplier of superior valves at competitive prices. Our goal is to exceed industry requirements and customer expectations.

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.

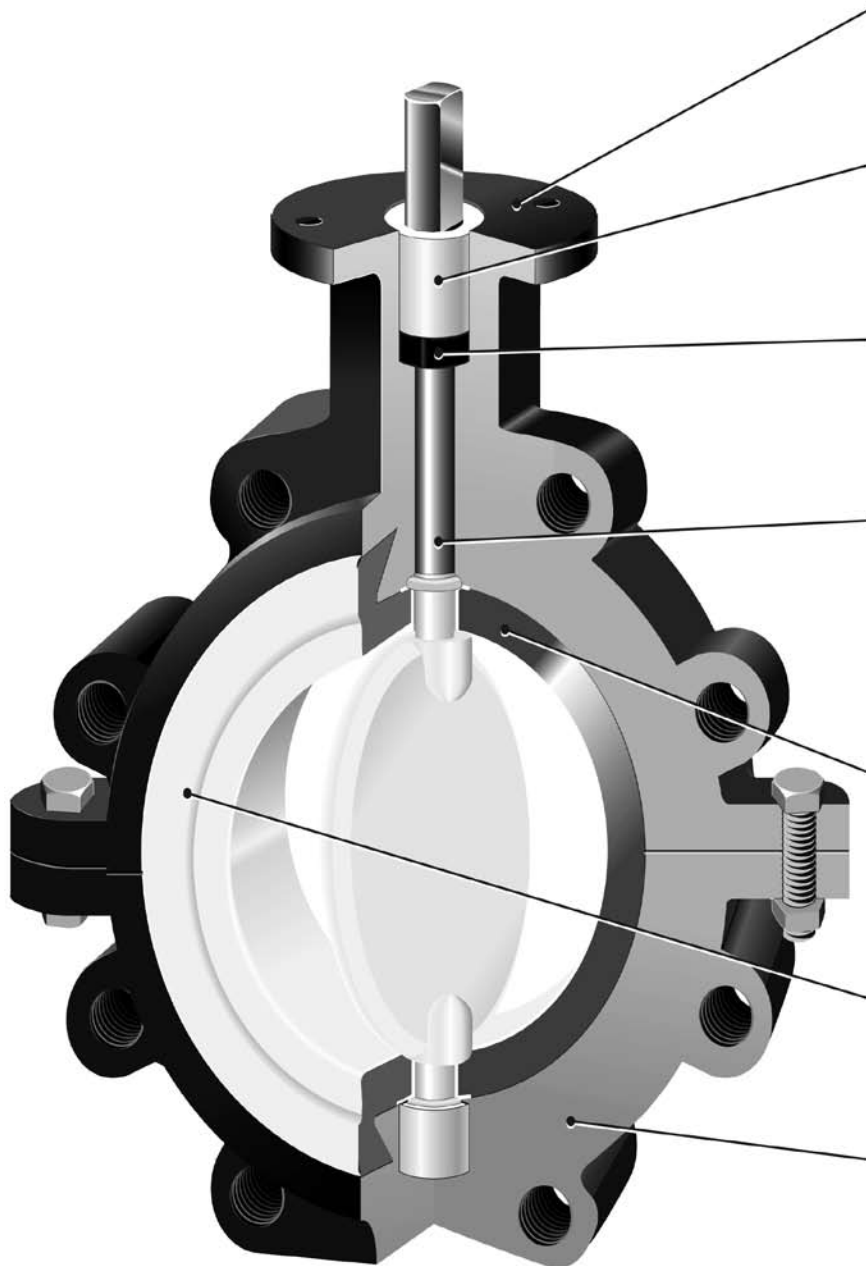
Our complete line of resilient seated butterfly valves provides you with the reliability you need, backed by the assurance that comes with using valves designed and produced in company-owned manufacturing facilities.

## 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 700 Overview



### Mounting Flange:

Standard drilling accommodates 10-position handle kits, gear operators, or direct actuator mounting. ISO 5211 drilling template also available.

### Stem Bushings:

Due to the unique design of the Center Line Series 700 valves, the ertalyte bushings absorb the radial thrust of gear operators and actuation to keep the disc/stem stable and centered.

### Weather Seal:

EPDM, Buna-N, or Viton® stem seal protects media from external environment as well as ensures line media remains within the pressure boundaries of the valve.

### Disc/Stem:

Standard disc is duplex stainless steel (255 stainless) which is corrosion resistant and stronger than 316 stainless. The disc and stem are one piece to minimize potential damage from over-torquing and line surges. Also available as Teflon® encapsulated 255 SS.

### Seat:

Center Line Series 700 standard liner is Buna-N. This liner comes with FDA approval in either black or white. It is also Abrasion Resistant. EPDM and Viton® are readily available. PTFE backed with EPDM or Viton® as well as other materials are also available.

### Seat Face:

Liner extends away from the body of the valve to contact flange face. The compression of the seat allows for a tight seal against all standard flanges.

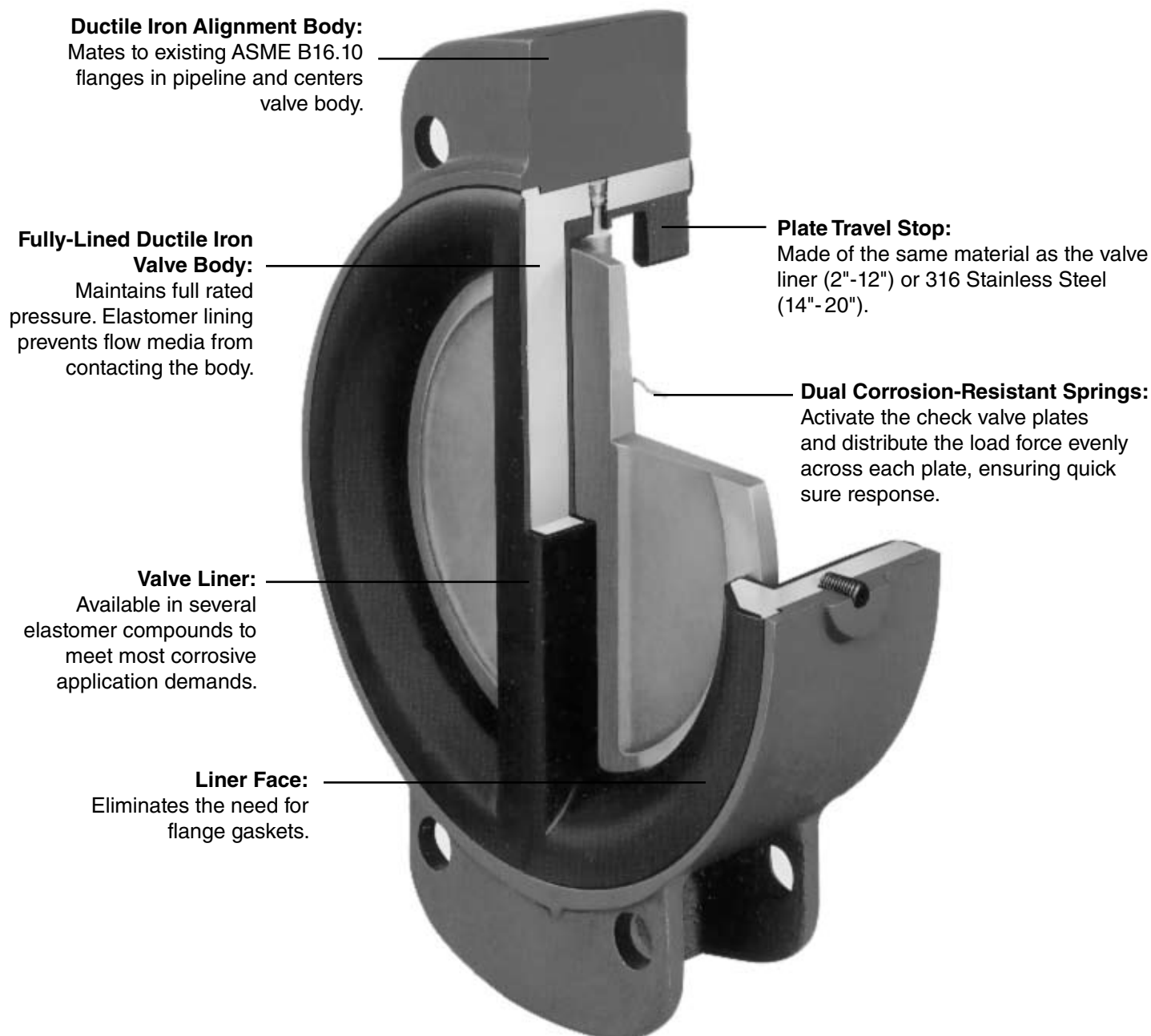
### Body:

Standard material is Ductile Iron which is suitable for lug style class 150 ASME drilling patterns. Provides superior strength in wafer style. Stainless Steel 2-piece wafer or lug are also available.

Teflon is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

## 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



**CRANE**

*Air*



## CRANE Energy Flow Solutions™

CRANE Energy Global Headquarters  
 4526 Research Forest Drive, Suite 400  
 The Woodlands, Texas 77381 U.S.A.  
 Tel.: (1) 936-271-6500  
 Fax.: (1) 936-271-6510

Center Line Customer Service  
 9860 Johnson Road  
 Montgomery, Texas 77316  
 Tel.: (1) 936-588-8380  
 Fax.: (1) 936-588-8381

[www.craneenergy.com](http://www.craneenergy.com)

**CRANE**

Energy Flow Solutions

Sydney, Australia Operations  
 146-154 Dunheved Circuit  
 St. Mary's, N.S.W. 2760  
 Sydney, Australia  
 Tel: (61) 29-623-0234  
 Fax: (61) 29-673-3870

Ningjin, China Operations  
 No. 8 Youyi Street Ningjin County  
 Hebei Province, China 055550  
 Tel: (86) 319-580-6651  
 Fax: (86) 319-580-8661



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