

# Valve and Actuator Product Overview



# Electric Valves

CARBON STEEL

BRASS

BRONZE

STAINLESS STEEL

## 2-Piece Electric

- FULL PORT: ¼" – 3" NPT
- VALVE: 1000 psi CWP, 150 WSP
- BODY: ASTM A351-CF8M
- SEATS: RTFE
- Sized for media 500 psid (¼" – 1") 300 psid (1¼" – 3") CWP
- -4 °F to 392 °F media temperature

- FULL PORT: ¼" – 3" NPT
- VALVE: 1000 psi CWP, 150 WSP
- BODY: ASTM A216-WCB
- SEATS: RTFE
- Sized for media 500 psid (¼" – 1") 300 psid (1¼" – 3") CWP
- -4 °F to 392 °F media temperature

- FULL PORT: ½" – 4" NPT
- VALVE: 600 psi CWP, 150 WSP
- BODY: forged brass
- SEATS: RTFE
- Sized for media 300 psid CWP, 150 WSP
- -20 °F to 370 °F media temperature

- FULL PORT: ¼" – 1½" NPT STANDARD: 2" NPT
- VALVE: 3000 psi CWP
- BODY: ASTM A351-CF8M
- SEATS: Delrin®
- Sized for media 1500 psid CWP
- -20 °F to 185 °F media temperature
- Meets NACE MRO 175

## 3-Piece Electric

- FULL PORT: ¼" – 4" NPT
- VALVE: 1000 psi CWP, 125 WSP
- BODY: ASTM A351-CF8M
- SEATS: RTFE
- Sized for media 500 psid (¼" – 1") 300 psid (1¼" – 4") CWP
- -4 °F to 392 °F media temperature

- FULL PORT: ¼" – 4" NPT
- VALVE: 1000 psi CWP, 125 WSP
- BODY: ASTM A216-WCB
- SEATS: RTFE
- Sized for media 500 psid (¼" – 1") 300 psid (1¼" – 4") CWP
- -4 °F to 392 °F media temperature

- FULL PORT: ¼" – 2" NPT
- VALVE: 600 psi, 125 WSP
- BODY: Bronze, B884 C84400
- SEATS: PTFE
- Sized for media 300 psid CWP, 125 WSP
- -20 °F to 400 °F media temperature

**Have a special requirement?**  
Contact us for application help.

# Electric Valves

STAINLESS STEEL

BRASS

STAINLESS STEEL

## 3-Way Electric

- FULL OR STANDARD PORT: ½" – 2" NPT
  - VALVE: 1000 psi CWP (¼" – 1")  
800 psi CWP (1¼" – 2"), 150 WSP
  - BODY: ASTM A351 GR CF8M
  - SEATS: PTFE/RTFE
  - Sized for media 300 psid CWP, 150 WSP
  - -20 °F to 450 °F media temperature
- 
- STANDARD PORT ¼" – 3" NPT
  - VALVE: 400 psi CWP
  - BODY: Brass
  - SEATS: PTFE/RTFE
  - Sized for media 300 psid CWP, 100 WSP
  - -20 °F to 450 °F media temperature

## Flanged Electric

- FULL PORT: ½" – 4" NPT
  - VALVE: 150 ANSI flange, API 607 fire safe approved
  - BODY: ASTM A351-CF8M
  - SEATS: PTFE/RTFE
  - Sized for media 285 psid CWP, 150 WSP
  - -4 °F to 392 °F media temperature
- 
- FULL PORT: ½" – 4" NPT
  - VALVE: 150 ANSI flange, API 607 fire safe approved
  - BODY: ASTM A216-WCB
  - SEATS: PTFE/RTFE
  - Sized for media 285 psid CWP, 150 WSP
  - -4 °F to 392 °F media temperature

- 
- Lug or Wafer Design, Sizes 2" – 24"
  - Multiple Body/Disc/Seat Materials Available
  - Electric Driven: Multiple Voltages and Accessories Available
  - Pneumatic Driven: Double Acting or Spring Return with Accessories Available

**Contact us to discuss your  
Automated Butterfly Valve Application.**

# Pneumatic Valves

STAINLESS STEEL

## 2-Piece Pneumatic

- FULL PORT: ¼" – 3" NPT
- VALVE: 1000 psi CWP
- BODY: ASTM A351-CF8M
- SEATS: RTFE
- Sized for media 500 psid (¼" – 1")  
300 psid (1¼" – 3") CWP, 150 WSP
- -4 °F to 392 °F media temperature

- FULL PORT: ¼" – 3" NPT
- VALVE: 1000 psi CWP, 150 WSP
- BODY: ASTM A216-WCB
- SEATS: RTFE
- Sized for media 500 psid (¼" – 1")  
300 psid (1¼" – 3") CWP
- -4 °F to 392 °F media temperature

- FULL PORT: ½" – 4" NPT
- VALVE: 600 psi CWP, 150 WSP
- BODY: forged brass
- SEATS: RTFE
- Sized for media 300 psid CWP, 150 WSP
- -20 °F to 370 °F media temperature

- FULL PORT: ¼" – 1½" NPT STANDARD: 2" NPT
- VALVE: 3000 psi CWP
- BODY: ASTM A351-CF8M
- SEATS: Delrin®
- Sized for media 1500 psid CWP
- -20 °F to 185 °F media temperature
- Meets NACE MRO 175

PVA BRONZE

## 3-Piece Pneumatic

- FULL PORT: ¼" – 4" NPT
- VALVE: 1000 psi CWP
- BODY: ASTM A351-CF8M
- SEATS: RTFE
- Sized for media 500 psid (¼" – 1")  
300 psid (1¼" – 4") CWP, 125 WSP
- -4 °F to 392 °F media temperature

- FULL PORT: ¼" – 4" NPT
- VALVE: 1000 psi CWP, 125 WSP
- BODY: ASTM A216-WCB
- SEATS: RTFE
- Sized for media 500 psid (¼" – 1")  
300 psid (1¼" – 3") CWP
- -4 °F to 392 °F media temperature

- FULL PORT: ¼" – 2" NPT
- VALVE: 600 psi, 125 WSP
- BODY: Bronze, B884 C84400
- SEATS: PTFE
- Sized for media 300 psid CWP, 125 WSP
- -20 °F to 400 °F media temperature

**Ask About Our  
Corrosion-Proof  
Pneumatic Actuators!**

# Pneumatic Valves

PYH BRASS

## 3-Way Pneumatic

- FULL OR STANDARD PORT: ½" – 2" NPT
  - VALVE: 1000 psi CWP (½" – 1")  
800psi CWP (1¼" – 2"), 150 WSP
  - BODY: ASTM A351 GR CF8M
  - SEATS: PTFE/RTFE
  - Sized for media 300 psid CWP, 150 WSP
  - -20 °F to 450 °F media temperature
- 
- STANDARD PORT ¼" – 3" NPT
  - VALVE: 400 psi CWP
  - BODY: Brass
  - SEATS: PTFE/RTFE
  - Sized for media 300 psid CWP, 100 WSP
  - -20 °F to 450 °F media temperature

P5C CARBON STEEL

## Flanged Pneumatic

- FULL PORT: ½" – 4" NPT
  - VALVE: 150 ANSI flange, API 607 fire safe approved
  - BODY: ASTM A351-CF8M
  - SEATS: PTFE/RTFE
  - Sized for media 285 psid CWP, 150 WSP
  - -4 °F to 392 °F media temperature
- 
- FULL PORT: ½" – 4" NPT
  - VALVE: 150 ANSI flange, API 607 fire safe approved
  - BODY: ASTM A216-WCB
  - SEATS: PTFE/RTFE
  - Sized for media 285 psid CWP, 150 WSP
  - -4 °F to 392 °F media temperature

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- Lug or Wafer Design, Sizes 2" – 24"
  - Multiple Body/Disc/Seat Materials Available
  - Electric Driven: Multiple Voltages and Accessories Available
  - Pneumatic Driven: Double Acting or Spring Return with Accessories Available

**Contact us to discuss your  
Automated Butterfly Valve Application.**

# Electric Actuators

- Quarter-turn, reversing, NEMA 4 electric actuator
- 400-31,000 in/lbs torque, 30% duty rated, 10 °F to 140 °F
- ISO 5211 with geared operated hand-wheel and (2) ½" conduit entries
- Available in 12 or 24VAC/VDC, 120VAC, 220VAC PH1/PH3, 460VAC PH3

- Quarter-turn, reversing, NEMA 4/4X compact electric actuator
- 150-300 in/lbs torque, 50% duty rated, -40 °F to 150 °F
- ISO 5211 with F03-F05 configurations
- Available in 12-24VAC/VDC, 120VAC, 220VAC PH1
- Made in USA

additional voltages and NEMA ratings, modulating controls, continuous position indication, and fail-safe backup

- Quarter turn, reversing, IP67 weatherproof, UV protected, corrosion resistant plastic housing
- 221-3097 in/lbs torque, 75% duty rated, -4 °F to 158 °F
- ISO 5211 with F03-F10 configurations
- Available in 12 VDC, 24-240 VDC/VAC

# Pneumatic Actuators

- Twin piston rack and pinion design, quarter-turn, NEMA 4/4X
- Available in double acting, spring return (fail open or close)
- 55-4300 in/lbs torque, higher torque available
- -4 °F to 176 °F (see temperature options)
- ISO 5211, 40psi to 100 psi operating pressure
- Factory lubricated for 2,000,000 cycles under normal operating conditions

low temp or high temp operation, solenoid pilot valves in numerous voltages and NEMA ratings; valve position limit switches (multiple voltages and NEMA ratings available), pneumatic and electro-pneumatic positioners, speed and dribble controls









## Multi-Voltage SMART Actuators

This feature-rich line was designed for ease-of-use and reliability. JE Series actuators are multi-voltage capable with automatic voltage sensing for AC or DC power supply and can be configured for fail-safe or modulation functions as options. Standard features include a protective electronic torque limiter, emergency manual override, and an internal, thermostat-controlled anti-condensation heater to help prevent damaging moisture build-up. They are ideal for quarter-turn automation of ball, butterfly and three-way valves.

## Optional Features and Kits (Factory Installed)






- BSR: Battery System Return Emergency Fail-Safe Kit
- DPS: Modulating electric actuator using self-calibrating Digital Positioning System: 4-20mA, 0-20mA, 0-10V or 1-10V








# Ball Valves

SERIES	DESCRIPTION	SIZES	PORT	PRESSURE RATING	TEMPERATURE	CONNECTIONS	FEATURES	VALVE OPTIONS
<b>VME3</b> 	1-PC ECONOMY	½" – 2"	REDUCED	1500-2000 CWP, 150 WSP	–20 °F to 425 °F	NPT	MADE IN USA	SS TRIM, MULTIPLE HANDLE OPTIONS
<b>VME1</b> 	2-PC ECONOMY	¼" – 2"	FULL/STD	1500-2000 CWP, 150 WSP	–20 °F to 425 °F	NPT	MADE IN USA	SS TRIM, MULTIPLE HANDLE OPTIONS
<b>VLE</b> 	2-PC MEDIUM PRESSURE	¼" – 1"	FULL	3000 CWP, 150 WSP	–20 °F to 425 °F	NPT, SAE	MADE IN USA	MULTIPLE HANDLE OPTIONS
<b>V6C</b> 	3-PC MAINTENANCE	¼" – 4"	FULL	1000 CWP, 150 WSP	–4 °F to 392 °F	NPT, SW	LOCKING HANDLE STANDARD	
<b>VAE</b> 	HIGH PRESSURE	¼" – 2"	FULL	4600-7000 CWP	–20 °F to 175 °F	NPT, SAE	HEAVY DUTY CONSTRUCTION	LOCKOUT KIT
<b>VZE</b> 	3-WAY HIGH PRESSURE	¼" – ¾"	FULL	4568-7250 CWP	–10 °F to 175 °F	NPT	"L" BALL CONFIGURATION	
<b>VXE</b> 	4-WAY HIGH PRESSURE	¼" – ¾"	FULL	4568-7250 CWP	–10 °F to 175 °F	NPT	"DOUBLE L" BALL	
<b>V5C</b> 	2-PC FLANGED	½" – 4"	FULL	ANSI 150, 150 WSP	–4 °F to 392 °F	ANSI 150 FLANGE	ISO 5211, API 607, LOCKABLE	



# Ball Valves

SERIES	DESCRIPTION	SIZES	PORT	PRESSURE RATING	TEMPERATURE	CONNECTIONS	FEATURES
<b>V1S</b> 	2-PC ECONOMY	½" – 2"	FULL/STD	1500-2000 CWP, 150 WSP	–4 °F to 392 °F	NPT	LOCKING HANDLE STANDARD
<b>V6S</b> 	3-PC MAINTENANCE	¼" – 4"	FULL	1000 CWP, 150 WSP	–4 °F to 392 °F	NPT, SW	LOCKING HANDLE STANDARD
<b>V5S</b> 	2-PC FLANGED	½" – 4"	FULL	ANSI 150, 150 WSP	–4 °F to 392 °F	ANSI 150 FLANGE	ISO 5211, API 607, LOCKABLE
<b>VYS</b> 	3-WAY DIVERTER	½" – 2"	FULL	800-1000 CWP, 150 WSP	–20 °F to 450 °F	NPT	ISO 5211, LOCKABLE, L PORT
<b>VAS</b> 	2-PIECE MEDIUM PRESSURE	¼" – 2"	FULL/STD	3000 CWP	–20 °F to 185 °F	NPT	ISO 5211, LOCKABLE, NACE APPROVED

SERIES	DESCRIPTION	SIZES	PORT	PRESSURE RATING	TEMPERATURE	CONNECTIONS	FEATURES	VALVE OPTIONS
<b>VNH</b> 	1-PC MINI	⅛" – ½"	FULL/STD	450 CWP	–4 °F to 200 °F	FNPT, MxF, NPT	UL APPROVED FOR REFRIGERANT	
<b>VMH</b> 	2-PC ECONOMY	¼" – 4"	FULL	600 CWP, 150 WSP	–20 °F to 370 °F	FNPT, MxF, NPT	UL FOR LP GAS, AGA AND CGA FOR NATURAL GAS, FM/UL	MULTIPLE HANDLE OPTIONS
<b>VMH EXH</b> 	2-PC EXHAUST	¼" – 2"	FULL	200 CWP	40 °F to 140 °F	NPT	LOCKOUT-TAGOUT OSHA 1919.147	⅛" SHACKLE, AIR SILENCER, EXHAUST TUBING, MULTIPLE LOCKOUT
<b>VMG</b> 	2-PC LEAD FREE	¼" – 2"	FULL	600 CWP	–20 °F to 370 °F	NPT	LOCKING HANDLE STANDARD	
<b>VMA</b> 	2-PC ECONOMY	¼" – 2"	FULL/STD	600 CWP, 150 WSP	–20 °F to 425 °F	NPT	MADE IN USA	SS TRIM, HANDLE OPTIONS
<b>VVA</b> 	3-PC MAINTENANCE	¼" – 2"	FULL	600 CWP, 125 WSP	–20 °F to 400 °F	NPT	ISO 5211, LOCKABLE	
<b>VYH</b> 	3-WAY DIVERTER	¼" – 3"	STD	400 CWP, 100 WSP	–20 °F to 450 °F	NPT	ISO 5211, LOCKABLE	



# Automated Valve Solutions

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## Timed Automatic Drain Valve

Protect your air system from condensation, scale and pollutants. The DRAINMASTER automatic drain valve provides years of ensured reliability and performance that other drain systems simply cannot match. Full port, brass valve provides years of durable clog-free operation for ¼" to 1¼" piping. Mount in any position. Adjustable cycle frequencies range from 1 minute to 14 days with on-demand purge.

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## Electrically Operated Ball Valve

DynaQuip EHW WaterCop Series Electrically Actuated Light Duty Brass Valves are perfect for open/close, ½" through 1¼" automated applications which have a low psi media requirement (125 psid CWP or less). Lead free two-piece forged brass valves are full port with RTFE seats and mount in any position for maximum installation flexibility. Pigtail connections facilitate quick wiring. NEMA4, 25% duty cycle suitable for water, oil, gas and other similarly viscous fluids. Choose from multiple options including voltages: 110 VAC, 220 VAC, 12 VDC, 24 VDC; optional override handles; and feedback options (none, dry contact, live open/close). 12 VDC indoor/outdoor remote control option available.

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## Single Point Leak Detection and Automatic Shut-Off

Leak Stop+ detects plumbing leaks at a single location, sounds an audible alarm, and automatically shuts off the water supply. The RJ45 Jack makes Leak Stop+ capable of integrating with SmartConnect to receive mobile alerts to a smartphone or tablet. It can also integrate with home security or automation systems. They are ideal solutions for water heaters, recirculation pumps and softeners.