

Meeting your valve needs with experience, flexibility and innovation.

Valve and Actuator Product Overview



The DynaQuip Difference

For over eight decades DynaQuip® has provided superior products and customer service. We offer flexible and innovative solutions for unique customer needs. Our products are assembled, tested, and stored at our St. Clair, Missouri headquarters enabling us to offer quality assurance and industry best lead-times.

- Industry best lead times
- Personal customer service
- Superior quality products
- Flexible, innovative solutions

Electric Valves

BRASS

STAINLESS STEEL

CARBON STEEL

BRONZE

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 200 °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 200 °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
- -4 °F to 200 °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 200 °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 200 °F media temperature

- FULL PORT: ¼" – 2" NPT
- VALVE: 600 psi
- BODY: Bronze, B884 C84400
- SEATS: PTFE
- Sized for media 300 psid CWP, 125 WSP
- 0 °F to 200 °F media temperature

**Have high temps, steam
or special requirement?**
Contact us for mounting kits
and assistance.

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
- -4 °F to 200 °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
- -4 °F to 200 °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 200 °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 200 °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.**



**Ask Us About Your
Automated Steam Applications!**

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 235 °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 235 °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
- -4 °F to 235 °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 235 °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 235 °F media temperature

- FULL PORT: ¼" – 2" NPT
- VALVE: 600 psi
- BODY: Bronze, B884 C84400
- SEATS: PTFE
- Sized for media 300 psid CWP, 125 WSP
- -4 °F to 235 °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
 - -4 °F to 235 °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
 - -4 °F to 235 °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 235 °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 235 °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.**



**Ask Us About Your
Automated Steam Applications!**

Electric Actuators

- Quarter-turn, reversing, NEMA 4X/5, IP67 electric actuator
- 443-31,000 in/lbs torque, 30% duty rated, -22 °F to 149 °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, Made in USA
- Quarter turn, reversing, IP67 weatherproof, UV protected, corrosion resistant plastic housing
- 177-2655 in/lbs torque, 75% duty rated, -4 °F to 158 °F
- ISO 5211 with F03-F10 configurations
- Available in 12 VDC or 24-240 VAC/ 24-135 VDC

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

Pneumatic Actuators

- Twin piston rack and pinion design, quarter-turn, NEMA 4/4X
- Available in double acting, spring return (fail open or close)
- 55-40,000 in/lbs torque, higher torque available
- -4 °F to 176 °F (see temperature options)
- ISO 5211, 60 to 120 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 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
 VME3	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
 VME1	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
 VLE	2-PC MEDIUM PRESSURE	¼" – 1"	FULL	3000 CWP, 150 WSP	–20 °F to 425 °F	NPT, SAE	MADE IN USA	MULTIPLE HANDLE OPTIONS
 V6C	3-PC MAINTENANCE	¼" – 4"	FULL	1000 CWP, 150 WSP	–4 °F to 392 °F	NPT, SW	LOCKING HANDLE STANDARD	
 VAE	HIGH PRESSURE	¼" – 2"	FULL	4600-7000 CWP	–20 °F to 175 °F	NPT, SAE	HEAVY DUTY CONSTRUCTION	LOCKOUT KIT
 VZE	3-WAY HIGH PRESSURE	¼" – ¾"	FULL	4568-7250 CWP	–10 °F to 175 °F	NPT	"L" BALL CONFIGURATION	
 VXE	4-WAY HIGH PRESSURE	¼" – ¾"	FULL	4568-7250 CWP	–10 °F to 175 °F	NPT	"DOUBLE L" BALL	
 V5C	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
 V1S	2-PC ECONOMY	½" – 2"	FULL/STD	1500-2000 CWP, 150 WSP	–4 °F to 392 °F	NPT	LOCKING HANDLE STANDARD
 V6S	3-PC MAINTENANCE	¼" – 4"	FULL	1000 CWP, 150 WSP	–4 °F to 392 °F	NPT, SW	LOCKING HANDLE STANDARD
 V5S	2-PC FLANGED	½" – 4"	FULL	ANSI 150, 150 WSP	–4 °F to 392 °F	ANSI 150 FLANGE	ISO 5211, API 607, LOCKABLE
 VYS	3-WAY DIVERTER	½" – 2"	FULL	800-1000 CWP, 150 WSP	–20 °F to 450 °F	NPT	ISO 5211, LOCKABLE, L PORT
 VAS	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
 VNH	1-PC MINI	⅛" – ½"	REDUCED	450 CWP	–4 °F to 200 °F	FNPT, MxF, NPT	RoHS COMPLIANT (EU) FOR REFRIGERANT	
 VUH	1-PC MICRO	⅛" – ¼"	FULL/STD	900 CWP	–4 °F to 200 °F	FNPT, MxF, NPT	RoHS COMPLIANT (EU)	
 VMH	2-PC ECONOMY	¼" – 4"	FULL	600 CWP, 150 WSP	–20 °F to 450 °F	FNPT, MxF, NPT	UL FOR LP GAS, AGA AND CGA FOR NATURAL GAS, FM/UL	MULTIPLE HANDLE OPTIONS
 VMH EXH	2-PC EXHAUST	¼" – 2"	FULL	200 CWP	15 °F to 210 °F	NPT	LOCKOUT-TAGOUT OSHA 1919.147	⅛" SHACKLE, AIR SILENCER, EXHAUST TUBING, MULTIPLE LOCKOUT
 VMG	2-PC LEAD FREE	¼" – 1½"	FULL	600 CWP	–30 °F to 350 °F	NPT	LOCKING HANDLE STANDARD	
 VMA	2-PC ECONOMY	¼" – 2"	FULL/STD	600 CWP, 150 WSP	–20 °F to 425 °F	NPT	MADE IN USA	SS TRIM, HANDLE OPTIONS
 VVA	3-PC MAINTENANCE	¼" – 2"	FULL	600 CWP	–0 °F to 450 °F	NPT	ISO 5211, LOCKABLE	
 VYH	3-WAY DIVERTER	¼" – 3"	STD	400 CWP, 100 WSP	–4 °F to 366 °F	NPT	ISO 5211, LOCKABLE	

Automated Valve Solutions

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. Now UL approved.

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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