



PV2000 Series

Two-Way Valve and Actuator
Assemblies

Description

The PV2000 Series two-way valves are designed to provide flow control for HVAC chilled and hot water systems. The valve and actuator assemblies offer lower Cv ratings, providing the performance of a globe valve with the economy of a ball valve.

The PV2000 Series features:

- Actuators are available with a NEMA 4 (IP66) water and dust tight high protection housings
- All actuators include a standard 1/2" conduit connector
- Actuators include fast and easy manual positioning feature to position the valve without power applied
- Actuators are form-fit mounted directly to the control shaft of the valve.
- Compact size to fit in tight spaces
- Available with female threaded NPT or sweat end connections

Specifications

Static Pressure: 360 psi / -22 deg F to 250 deg F

Service: Chilled water, hot water, up to 50% Glycol

Flow Linearized: GE NORLYL glass filled polymer

Body material: Forged brass ASTM B 283

End connections: Female NPT or Sweat

Stem: Brass

Stem seals: EDPM O-Rings

Ball valve: Nickel-plated brass ball or optional stainless steel

Ball seals: Reinforced Teflon seals with EDPM O-Rings

Angle of rotation: 0 to 90 degrees

Specifications subject to change without notice.

Ordering Information

Part No.	Description
PV2000 + PA2003	Ball valve, ½", 2-way, .38 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2001 + PA2003	Ball valve, ½", 2-way, .68 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2002 + PA2003	Ball valve, ½", 2-way, 1.3 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2003 + PA2003	Ball valve, ½", 2-way, 2.6 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2004 + PA2003	Ball valve, ½", 2-way, 4.7 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2005 + PA2003	Ball valve, ½", 2-way, 11.7 Cv, FP, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2006 + PA2003	Ball valve, ½", 2-way, 8.0 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2007 + PA2003	Ball valve, ¾", 2-way, .31 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2008 + PA2003	Ball valve, ¾", 2-way, .63 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2009 + PA2003	Ball valve, ¾", 2-way, 1.2 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2010 + PA2003	Ball valve, ¾", 2-way, 2.5 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2011 + PA2003	Ball valve, ¾", 2-way, 4.3 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2012 + PA2003	Ball valve, ¾", 2-way, 14.7 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2013 + PA2003	Ball valve, ¾", 2-way, 10.1 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2014 + PA2003	Ball valve, ¾", two-way, 28.6 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2015 + PA2003	Ball valve, 1", 2-way, 9.0 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2016 + PA2003	Ball valve, 1", 2-way, 28.4 Cv, FP, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2017 + PA2003	Ball valve, 1", 2-way, 4.4 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2018 + PA2003	Ball valve, 1", 2-way, 15.3 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2019 + PA2003	Ball valve, 1", 2-way, 54.2 Cv, FP, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2020 + PA2003	Ball valve, 1", 2-way, 26.1 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2021 + PA2003	Ball valve, 1", 2-way, 43.9 Cv, FP, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2022 + PA2003	Ball valve, 1 ¼", 2-way, 4.4 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2023 + PA2003	Ball valve, 1 ¼", 2-way, 8.3 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2024 + PA2003	Ball valve, 1 ¼", 2-way, 14.9 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2025 + PA2003	Ball valve, 1 ¼", 2-way, 41.4 Cv, FP, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2026 + PA2003	Ball valve, 1 ¼", 2-way, 36.5 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2027 + PA2003	Ball valve, 1 ¼", 2-way, 102.3 Cv, FP, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2028 + PA2003	Ball valve, 1 ½", 2-way, 22.8 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2029 + PA2003	Ball valve, 1 ½", 2-way, 73.9 Cv; FP, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2030 + PA2003	Ball valve, 1 ½", 2-way, 41.3 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2031 + PA2003	Ball valve, 1 ½", 2-way, 171.7 Cv, NPT + SR actuator, 26in-lb, 0/2 to 10VDC, N.O.
PV2032 + PA2010	Ball valve, 2", 2-way, 41.7 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2033 + PA2010	Ball valve, 2", 2-way, 108.0 Cv, FP, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2034 + PA2010	Ball valve, 2", 2-way, 57.0 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2035 + PA2010	Ball valve, 2", 2-way, 71.1 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2036 + PA2010	Ball valve, 2", 2-way, 100 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2037 + PA2010	Ball valve, 2", 2-way, 210 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2038 + PA2010	Ball valve, 2", 2-way, 266 Cv, FP, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2039 + PA2010	Ball valve, 2 ½", 2-way, 45 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2040 + PA2010	Ball valve, 2 ½", 2-way, 55 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2041 + PA2010	Ball valve, 2 ½", 2-way, 72 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2042 + PA2010	Ball valve, 2 ½", 2-way, 101 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2043 + PA2010	Ball valve, 2 ½", 2-way, 162 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2044 + PA2010	Ball valve, 2 ½", 2-way, 202 Cv, FP, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2045 + PA2010	Ball valve, 3", 2-way, 49 Cv; NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2046 + PA2010	Ball valve, 3", 2-way, 63 Cv; NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2047 + PA2010	Ball valve, 3", 2-way, 82 Cv, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2048 + PA2010	Ball valve, 3", 2-way, 124 Cv NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.
PV2049 + PA2010	Ball valve, 3", 2-way, 145 Cv, FP, NPT + SR actuator, 132in-lb, 0/2 to 10VDC, N.O.

NOTE: Other valve and actuator combinations are available