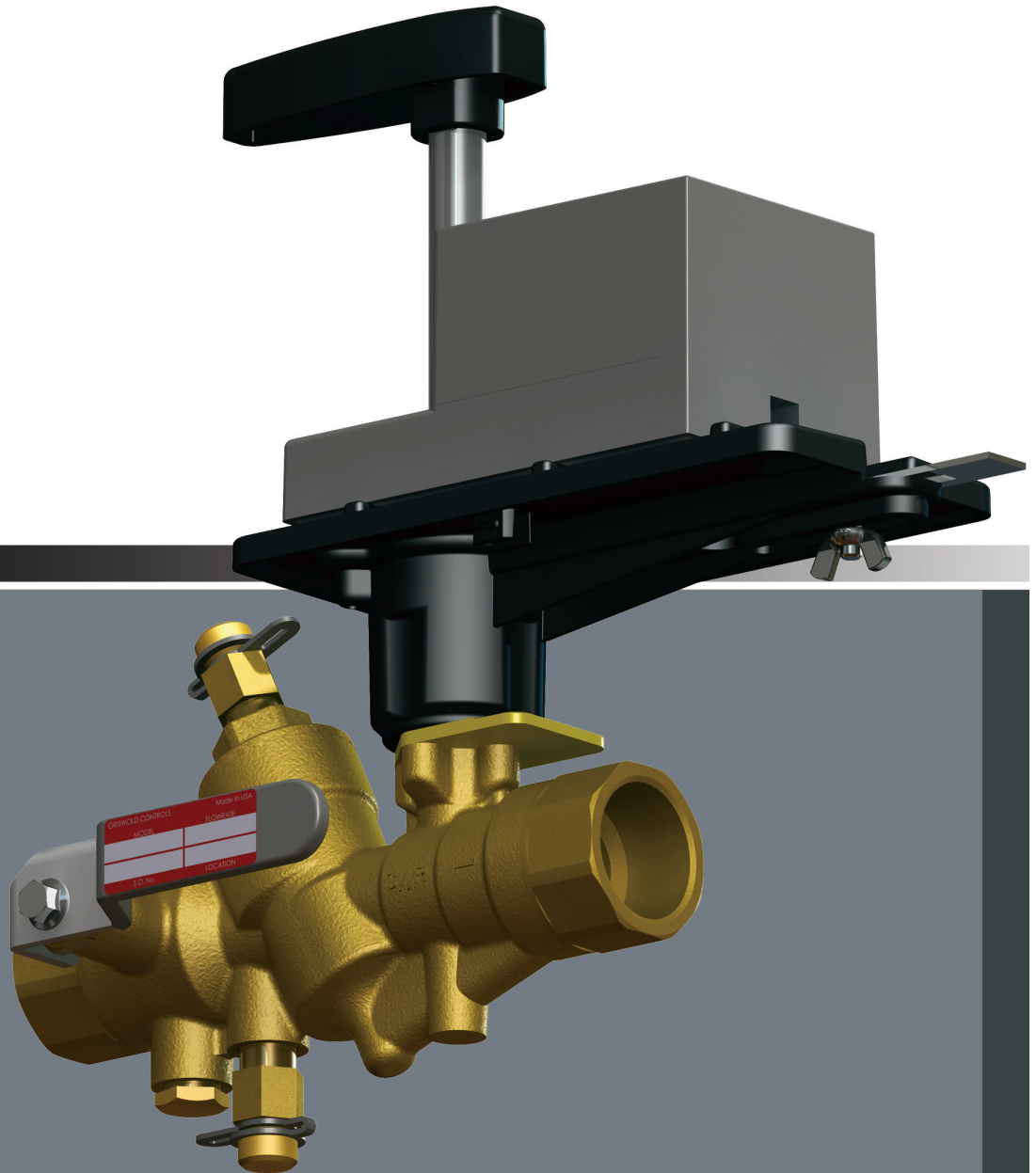


Control for a **GREEN** Environment

PIC-V® Pressure Independent Control Valve

Variable Cv Without Balancing



Pressure Independent Control Valves

PIC-V™: The Perfect Temperature Control Valve & Coil Piping Package in One

Griswold Controls' PIC-V™ Pressure and Temperature Control Valve eliminates the need for balancing, provides everything an engineer, contractor, or building owner could want in an automatic flow control valve. It accurately maintains flow control regardless of pressure fluctuations, providing balancing at any point below and including the maximum flow rate. The PIC-V™ is a two-way valve that supplies a specific flow for each degree of ball opening, regardless of system pressure changes. The pressure regulator absorbs pressure changes before and after the optimized ball portion, so the differential pressure across the optimized ball remains constant, therefore maintaining a constant flow rate. It can be used to regulate flow through

air handlers, heating and cooling coils, fan coil units, unit ventilators, and VAV re-heat coils. A multi-function valve consisting of a control valve, pressure compensating diaphragm cartridge assembly, and isolation ball valve with your choice of end pieces, the PIC-V™ combines the balancing valve and the control valve into one compact package. The PIC-V™ provides consistent flow control over its entire pressure range. We offer flow rates from one GPM to ninety five GPM. Griswold Controls' PIC-V™ offers reliable, independent control in a valve that is easy to size and select, eliminates the need for individual control and balancing components, is virtually maintenance-free, and simplifies piping.

Blow-Out-Safety-Retainer/Replaceable Stem:

Actuator ball stem can be easily and safely replaced while the valve is installed in the pipe line

Actuator and Plate Can Be Rotated After Mounting:

Allows for installation in confined spaces. Makes wiring the actuator easier.

Isolation:

Manual Ball Valve to isolate coil or valve for maintenance

Patented Seal and O-Rings:

Reduce torque required to rotate ball (less than 35 in-lbs), reducing actuator size.

U.S. Patent #6,948,699.

Diaphragm Pressure Compensating Cartridge:

Spring and diaphragm move according to pressure differential maintaining a constant pressure drop across the ball

Pressure / Temperature Test Ports:

Enable easy pressure differential readings

Sizes available:

1/2" to 3". Flow rate: 1.0 to 95 GPM

Positive Shut Off:

Accurate control of fluid through coils

Union End Connection:

Available with male, female threaded or sweat

Manual Operating Handle:

Valve can be operated in the event of a power failure

Plastic Mounting Plate, Extensions and Handle:

Do not corrode in chilled water applications. Reduce heat transfer to actuator in hot water applications

Patented Optimizer™ Parabolic Flow Insert:

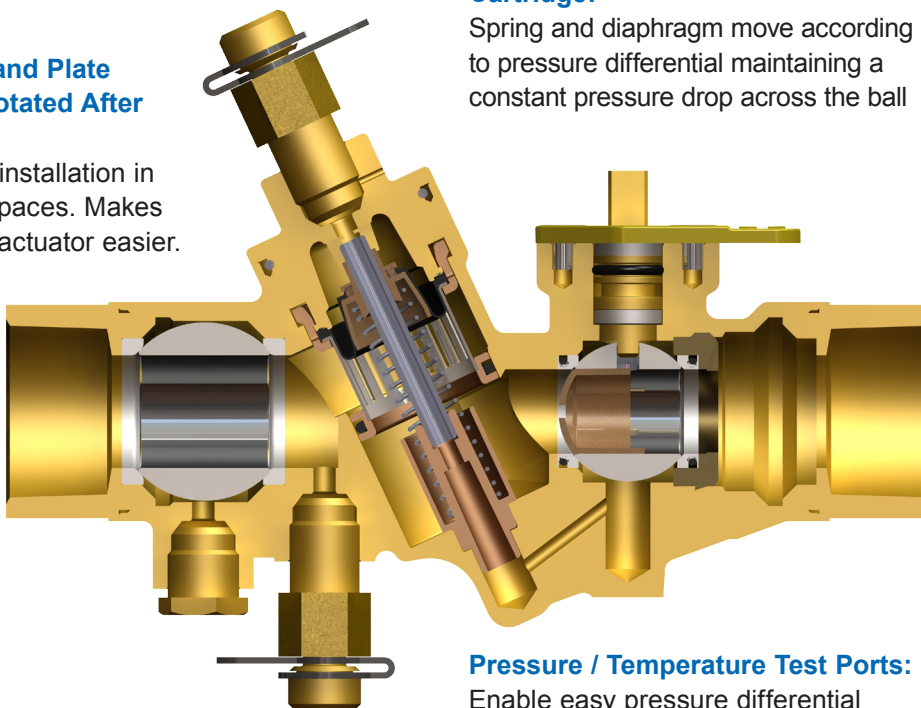
Provides equal percentage control and limits the flow to zone set point with +/- 5% accuracy.

No Cv sizing is required.

U.S. Patent #5,937,890.

Universal Mounting Plate:

One mounting plate can be used with all manufacturers' actuators



Griswold Controls Representative

2803 Barranca Parkway • Irvine CA 92606 | Phone 800 838 0858 • Fax 800 543 8662
E-mail info@griswoldcontrols.com | www.griswoldcontrols.com



9/12
F-5357a