E-3 Pressure Regulating Valve

DESCRIPTION

The Cash Acme E-3 Pressure Regulating Valve automatically reduces a high inlet pressure to a lower delivery pressure and maintains the lower pressure within acceptable limits. It provides substantially higher capacity and closer regulation for more demanding and higher quality installations. The E-3 incorporates a yoke-type design, allowing the regulator to close against the inlet pressure and provide quieter operation under wide and varying flow conditions.

The E-3 is designed for use where supply line inlet pressure does not exceed 300 psi and is suitable for either cold or hot (to 180°F) water service for a variety of applications. Standard factory outlet setting is 45 psi, but other settings are available.

FEATURES AND BENEFITS

Automatically reduces a high inlet pressure to a lower delivery pressure:
   Maintains a lower pressure within reasonably close limits.

Every valve is tested for performance prior to shipping:
   Specify and install with confidence!

Solves problems of water hammer, pipe noise and rapid wearing of fixtures, faucets and valves:
   Longer life of the valve saves money and time!

Rugged bronze body:
   Superior reliability and improved user safety.

Listed by ASSE 1003 and IAPMO:
   Inspector friendly for peace of mind.

Every valve is tested for performance prior to shipping:
   Specify and install with confidence.

Assembled and tested in the USA:
   Prepared in our manufacturing plant in Cullman, Alabama.

SPECIFICATION

A pressure regulating valve shall be installed to reduce high supplies of incoming water pressure. The valve shall be ASSE 1003 and IAPMO listed. The valve shall have a bronze body and a maximum inlet pressure of 300 psi. The valve shall have a separate cleanout plug that houses a Stainless Steel or Monel strainer screen. The valve shall be a yoke-type design with a buna seat disc and a stainless steel body seat. The valve shall be a Cash Acme E-3 Pressure Regulating Valve.
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TYPICAL INSTALLATION

The E-3 Pressure Regulator should be installed in the horizontal position with the spring chamber upright. For other installation requirements, consult the factory.

SPECIFICATION DATA

Performance:
Outlet pressure range ............ 20-70 psi
Maximum temperature ............ 180°F
Maximum initial pressure ......... 300 psi
Service ................................ Air and water

Materials:
Spring Chamber:  
- ½” and ¾” Models .............. Iron
- 1” through 2” Models ............ Aluminum
Adjustment Spring ................. Steel (Zinc Plated)
Body .................................. Bronze
Diaphragm .......................... EP/Nylon
Body Seat .......................... Stainless steel
Seat Disc .......................... Buna-N
Piston ............................. Bronze
Piston Spring* ...................... Stainless Steel
Strainer Screen  ..................... Stainless steel or Monel
Cleanout Plug ..................... Bronze

1Low (10-40 psi) and High (71-150 psi) pressure ranges are also available.
2Low pressure range only.

AVAILABLE CONNECTIONS

Threaded (NPT) ............... 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2"

CERTIFICATIONS

The Cash Acme E-3 Pressure Regulator is certified to ASSE 1003 and NSF/ANSI 372 and is listed by ASSE and IAPMO (UPC).