E-41 Pressure Regulating Valve

DESCRIPTION

The Cash Acme E-41 Pressure Reducing and Regulating Valve automatically reduces a high inlet pressure to a lower delivery pressure and maintains the lower pressure within acceptable limits. It provides high capacity and close regulation for more demanding and higher quality installations. The E-41 is similar in internal design to the E-3 regulator with the exception that it is not fitted with an inbuilt strainer for systems which do not require the feature, or where separate, individual strainers are preferred.

The Cash Acme E-41 Regulator is available in 1/2" through 2" sizes. The E-41 is designed for use where inlet pressures do not exceed 300 psi and where system temperatures do not exceed 180°F. Standard factory outlet setting is 45 psi, but other settings are available. Lead Free models 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!

High capacities for higher quality installations:
Handles more volume with just one regulator.

Rugged bronze body:
Superior reliability and improved user safety.

Listed by ASSE:
Inspector friendly, 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 reducing valve shall be installed to deliver water at a controlled pressure. The valve shall be ASSE listed. The valve shall have a bronze body and a maximum inlet pressure of 300 psi. 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-41 Pressure Regulator.
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TYPICAL INSTALLATION

The E-41 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 psi²
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 Spring³..................Stainless Steel
Bottom Plug....................Brass

AVAILABLE CONNECTIONS
Threaded (NPT) 1/2”, 3/4”, 1”, 1-1/4”, 1-1/2” and 2”

CERTIFICATIONS

The Cash Acme E-41 Pressure Regulator is certified to ASSE 1003 and NSF/ANSI 372 and is listed by ASSE.

¹ For our lead free models, surfaces that are in contact with consumable water contain less than 0.25% lead by weight.
² Low (10-40 psi) and High (71-150 psi) pressure ranges are also available.
³ Low pressure range only