E-56 Pressure Regulating Valve

DESCRIPTION

The Cash Acme E-56 Pressure Regulating Valve automatically reduces a high inlet pressure to a lower delivery pressure and maintains the lower pressure within acceptable limits.

The E-56 has no diaphragm — the regulating device is a spring opposed balanced piston. These regulators are exceptionally simple in construction and have very few internal parts. The balanced piston allows extreme fluctuations in inlet pressures to act uniformly on the piston, producing more sensitive operation while providing for closer regulation and quiet performance.

The Cash Acme E-56 is designed for water, air, light oil, gases (except steam) and other fluids not corrosive to brass. The E-56 is ideally suited for large commercial and industrial water or air service installations. The E-56 Regulator is lead-free and has an adjustment range of 15-125 psi depending on the adjusting spring installed. Refer to the Specification Data for available spring ranges.

FEATURES AND BENEFITS

Automatically reduces a high inlet pressure to a lower delivery pressure:

- Maintains a lower pressure within reasonably close limits.

Large commercial and industrial water or air service installations:

- Exceptional high capacity for all services.

Balanced piston design:

- Provides for closer regulation and quiet performance.

Every valve is tested for performance prior to shipping:

- Specify and install with confidence!

Simple, dependable construction:

- Fewer parts for greater reliability.

Available with threaded or flanged ends:

- Flexibility in installation.

Assembled and tested in the USA:

- Prepared in our manufacturing plant in Cullman, Alabama.

SPECIFICATION

A pressure reducing valve shall be installed to deliver air or water at a controlled pressure. The valve shall be high capacity with a bronze body. The valve shall be a spring opposed, balanced piston type with a stainless steel seat ring. The valve shall be a Cash Acme E-56 Pressure Regulating Valve.
E-56 Pressure Regulating Valve

TYPICAL INSTALLATION

The Cash Acme E-56 regulators should be installed in the horizontal position with the spring chamber upright. For other installation requirements consult the factory. For ease of operation and maintenance, it is suggested that the manual shut-off valves be installed upstream and downstream from the valve.

SPECIFICATION DATA

Performance:
Outlet pressure range………………..15–50 psi, 40–60 psi, 50–110 psi and 80–125 psi
Maximum temperature………………..180° F
Maximum initial pressure……………..400 psi (threaded), 225 psi (150 lb ANSI flanged)
Service………………………………….Air, water, light oils and gases (except steam)

Materials:
Body…………………………………….Lead-Free Bronze
Spring Chamber…………………………Bronze
Piston…………………………………….Lead-Free Bronze
Seat Ring………………………………….Stainless steel
Seat Disc………………………………….Buna-N
Adjusting Spring…………………………Steel
Wiper Felt……………………………….Felt
O-Rings………………………………….Buna-N
Bottom Cap…………………………….Lead-Free Bronze

AVAILABLE CONNECTIONS

Threaded (NPT)………………………….2", 2-1/2" and 3"
150 lb MSS Flanges………………….2", 2-1/2" and 3"

1 For lead free models, surfaces that are in contact with consumable water contain less than 0.25% lead by weight.
2 Valves for higher temperatures are available. Consult factory for details.