

EB-87U and E-87 Compact Pressure Regulators for Domestic Water Service

DESCRIPTION

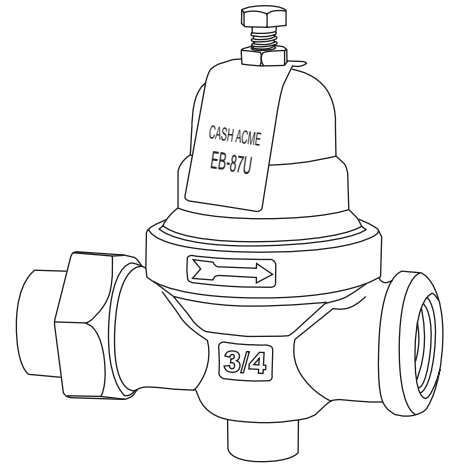
The Cash Acme EB-87U compact pressure reducing and regulating valve automatically reduces a high inlet pressure to a lower delivery pressure and maintains the lower pressure within acceptable limits.

Ease of maintenance is enhanced by the simplicity of Cash Acme's design. Without removing it from the line, the EB-87U regulator can be serviced using an adjustable wrench and socket wrench. All internal parts are accessible by removing the spring chamber.

The **EB-87U** regulator is intended for use where supply line inlet pressure does not exceed 300 psi; the **EB-87U** Series is suitable for either cold or hot (to 180° F) water service. These domestic water regulators automatically reduce a high inlet pressure down to 45 psi, the standard factory setting. The outlet pressure is adjustable from 10-70 psi.

The Cash Acme **EB-87U** features an inbuilt back-pass check which operates independently of the regulator. If pressure on the outlet or downstream side of the regulator becomes higher than the inlet pressure, as in the case of thermal expansion caused by water heating devices, the back-pass check allows water to flow back through the regulator, thus preventing downstream pressure buildup.

The **EB-87U** has a female threaded inlet and outlet. The **EB-87U** has a female threaded union inlet and female threaded union outlet. The **EB-87C** has a sweat copper union inlet and threaded outlet. Available in 1/2", 3/4" and 1" sizes.



FEATURES AND BENEFITS

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

Features an inbuilt backpass check:
Operates independently of the regulator.

Listed by ASSE 1003, CSA and IAPMO:
Inspector friendly, peace of mind!

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

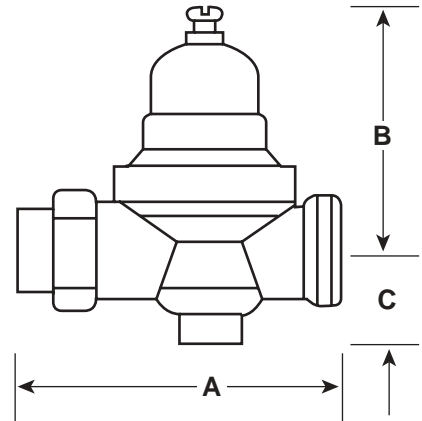
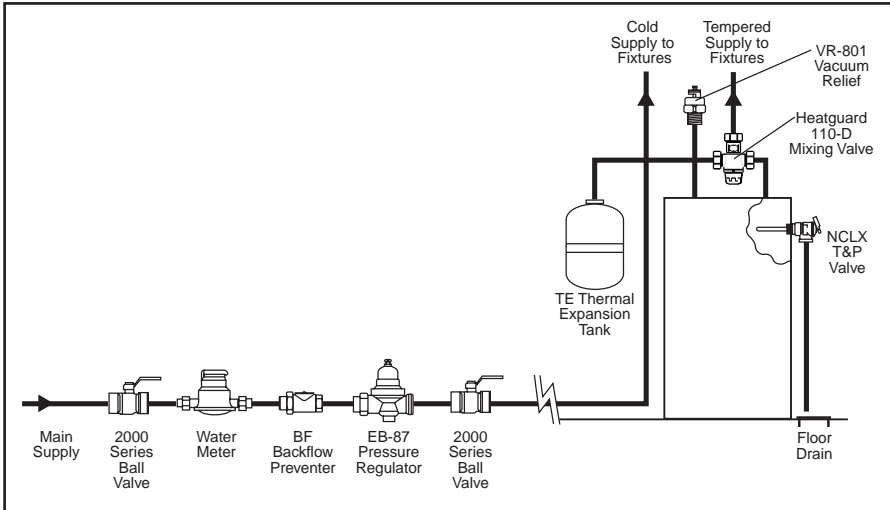
CERTIFICATIONS

A pressure reducing and regulating valve shall be installed to reduce incoming water pressure. The valve shall be ASSE and CSA approved. The valve shall be of brass construction with a Noryl spring chamber. The valve shall contact a thermal expansion by-pass and have an adjustable range of 10 to 70 psi. The valve shall be a **Cash Acme EB-87U**.

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TYPICAL INSTALLATION

If possible, regulators should be installed in the horizontal position with the spring chamber upright. For other installation requirements, consult the factory.



Type	Dimensions	A	B	C
E-87	3/4" Threaded	3 15/16"	4 1/32"	1 13/32"
EB-87U	3/4" Union	4 3/4"	4 1/32"	1 13/32"
EB-87C	Inlet			

SPECIFICATION DATA

Performance:

Outlet pressure range 10 - 70 psi
 Maximum temperature 180° F
 Maximum initial pressure 300 psi
 Service Water

Materials:

Body Brass
 Seat Ring Stainless steel
 Piston Spring Stainless steel
 Strainer Screen Stainless steel
 Seat Disc EP
 Piston Brass
 Spring Chamber Noryl

CONNECTIONS

Sweat Union 3/4"
 Threaded (NPT) 1/2" and 3/4"
 Threaded Union (NPT) 3/4"

CERTIFICATIONS

Cash Acme **EB-87U** and the **E-87 Pressure Regulators** are tested and approved in accordance with ASSE Standard 1003; also approved by IAPMO and CSA Std. B356.

EB-87U Water Capacity (gpm)

Valve Size	P ₂ VAR (psi)	Differential Pressure P ₁ -P ₂ (psi)			
		10	25	50	100 Or More
3/4"	5	2 1/2	3	3 1/2	4
	10	9	10	11	12 1/2
	15	15	16	18 1/2	20
	20	18 1/2	20	24	28

Valve Size	Spring Adjustment Ranges
3/4"	10-70 psi