

EB-5 Water Pressure Regulating Valve For Domestic Service

DESCRIPTION

The Cash Acme EB-5 Regulators are high quality and performance pressure reducing and regulating valves designed principally for household water supply service.

The EB-5 Regulators feature a yoke-type design allowing the regulator to close against the inlet pressure, providing quieter operation under wide and varying conditions. An inbuilt Monel strainer screen with separate clean-out plug permits easy access to strainer screen.

The EB-5 Regulators are designed for systems operating with initial inlet pressures up to 300 psi and with maximum temperatures of 180°F. They are supplied by the factory with a standard delivery setting of 45 psi with an adjustment range of 20-70 psi. Other delivery ranges, from 10-150 psi, are available depending on adjusting spring installed.

The Cash Acme EB-5 Regulators are available in sizes from 1/2" to 2-1/2". They are fitted with female threaded union inlet and female threaded outlet valve connections.

FEATURES AND BENEFITS

Yoke Construction:

Provides tight shut-off, with high flow rates.

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

Maintains a lower pressure within reasonably close limits.

Listed by ASSE 1003, CSA, IAPMO:

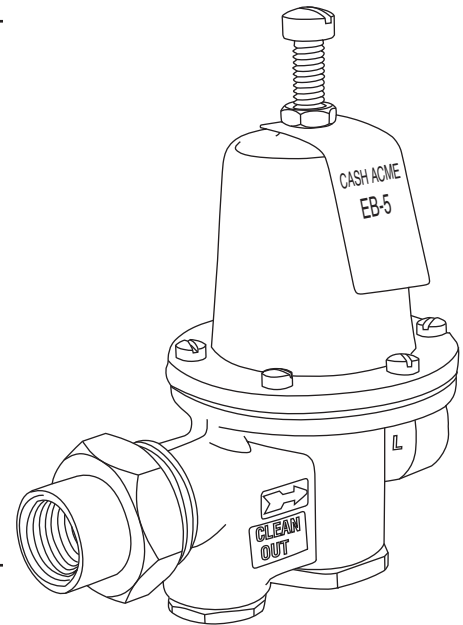
Inspector friendly, peace of mind!

Every valve is tested for performance prior to shipping:

Specify and install with confidence!

SPECIFICATION

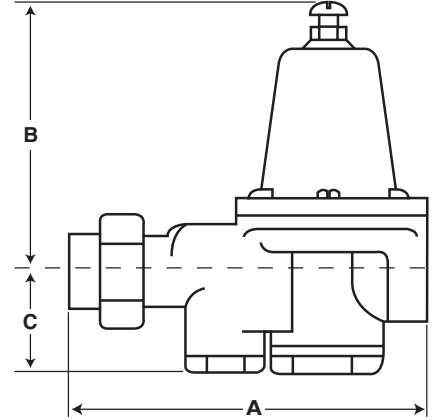
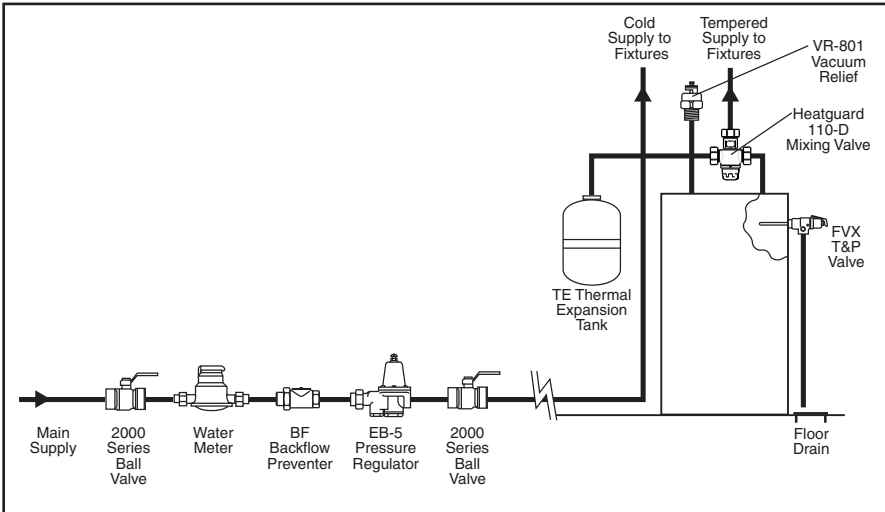
A pressure reducing valve shall be installed to deliver water at a controlled pressure. The valve shall be CSA B356, ASSE 1003 and IAPMO listed. The valve shall be a bronze body with a maximum inlet pressure of 300 psi. The valve shall be supplied with an inbuilt back-pass check valve and a separate clean-out plug that houses a 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 EB-5**.



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TYPICAL INSTALLATION

The EB-5 Regulators should be installed in the horizontal position with the spring chamber upright. For other installation requirements, consult the factory.



Dimensions	A	B	C
1/2"	4-3/4"	4-1/4"	1 5/16"
3/4"	5-7/8"	5-1/4"	1 3/4"
1"	6-1/4"	5-15/16"	1 7/8"
1 1/4"	7-5/16"	7"	2 11/16"
1 1/2"	8-5/8"	7-1/2"	3"
2"	10-3/16"	8-1/2"	3 1/4"
2 1/2"	11-7/8"	10-1/4"	3 13/16"

SPECIFICATION DATA

Performance:

Outlet pressure range. 20–70 psi (45 psi std)
 Maximum temperature 180°F
 Maximum initial pressure 300 psi
 Service Air and Water

Materials:

Body Bronze
 Spring Chamber: Aluminum
 Adjusting Spring Carbon steel plated
 Pressure Plate Steel or bronze
 Diaphragm EP nylon reinforced
 Yoke Bronze
 Body Seat Stainless steel
 Seat Disc Buna-N
 Piston Bronze
 Strainer Screen Monel
 Cleanout Plug Bronze
 Bottom Plug Bronze

CERTIFICATIONS

Cash Acme EB-5 Pressure Regulators are certified to ASSE 1003 and CSA B356 and are listed by ASSE, IAPMO (UPC) and CSA.

Water Capacity (gpm)

Pipe Size	P ₂ Variation (psi)	Differential Pressure P ₁ -P ₂ (psi)			
		10	25	50	100 Or More
1/2"	5	2-1/2	3-1/2	4	5
	10	5	7	8	9-1/2
	15	6-1/2	9	10-1/2	12-1/2
	20	7-1/2	10	12	15
3/4"	5	3-1/2	6	7	8
	10	7	10-1/2	14	15-1/2
	15	9-1/2	14-1/2	17	20-1/2
	20	10-1/2	15-1/2	19-1/2	24
1"	5	6	9	10	11
	10	11-1/2	17-1/2	20	22
	15	15-1/2	21	26	29
	20	19	25	30	36
1-1/4"	5	8	10	11-1/2	12-1/2
	10	19	24-1/2	28	32-1/2
	15	28	34-1/2	39	47-1/2
	20	34	41	45-1/2	60
1-1/2"	5	10	13	15	16-1/2
	10	24	34-1/2	42	49
	15	34-1/2	49-1/2	61	67
	20	4	65	77-1/2	80
2"	5	13-1/2	17	20	24
	10	30	44	57	62
	15	48	65	82	89
	20	62	80	109	114
2-1/2"	5	19-1/2	24	27	30
	10	46	62	80-1/2	95
	15	68	93-1/2	110	137
	20	87	112	138	175