

# 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:

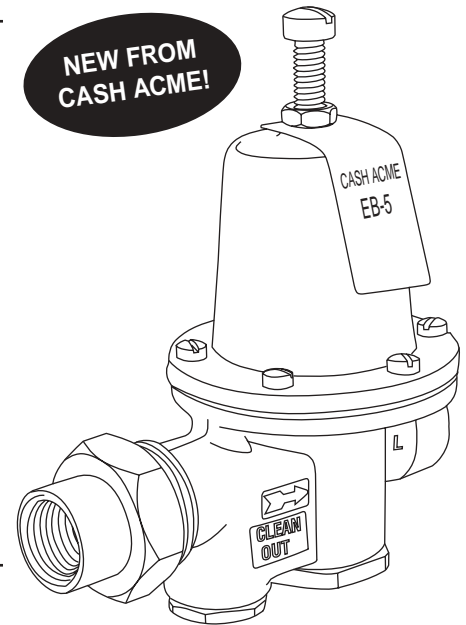
*Inspector friendly, peace of mind!*

Every valve is tested through a range of tests prior to shipping:

*Specify and install with confidence!*

## SPECIFICATION

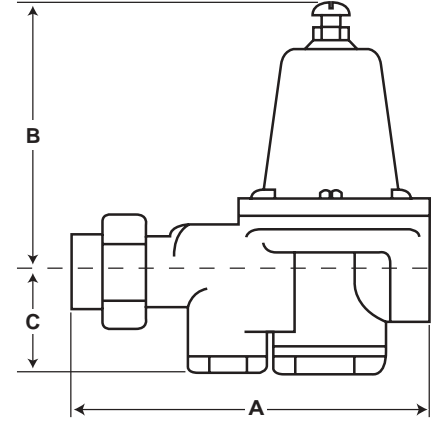
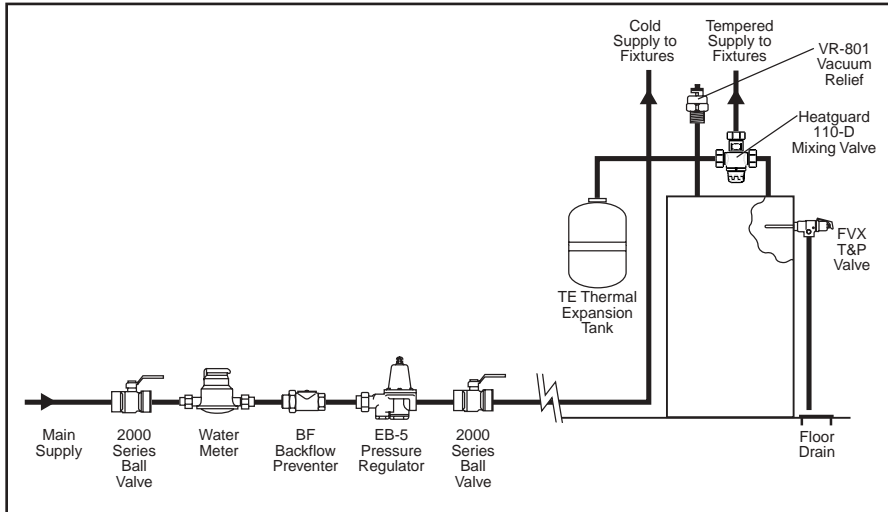
A pressure reducing valve shall be installed to deliver water at a controlled pressure. The valve shall be CSA B356, ASSE 1003 and IAPMO listed. The valve shall be a bronze body with a maximum inlet pressure of 300 psi. The valve shall be supplied with an inbuilt back-pass check valve and a separate 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 <sub>2</sub> Variation (psi)	Differential Pressure P <sub>1</sub> -P <sub>2</sub> (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	47	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