

CashAcme™

EB45 Pressure Regulating Valve

The EB45 Pressure Regulator features a half cartridge design that offers the performance of a high end, cartridge based valve and the price of a traditional regulator.

BIM Available [Online](#)

Approved Applications

Commercial and domestic water applications.

Specification Data

Performance

Maximum pressure	300 psi 400 psi
Maximum temperature	33°F - 180°F (82.2°C)
Service	Water
Outlet pressure range	10-70 psi

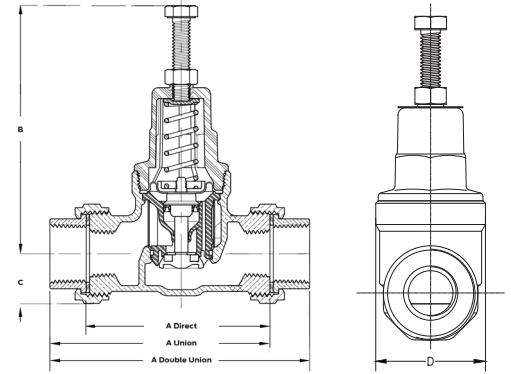
Materials

Body	Lead-Free Bronze
Spring Chamber	1/2" and 3/4" Reinforced Engineered Polymer or Iron 1" through 2" Iron
Adjusting Spring	Steel (Zinc Plated)
Diaphragm	Reinforced EPDM
Body Seat	1/2" and 3/4" Polyphenylene Ether 1" through 2" Polysulfone
Seat Disc	EPDM
Piston	Stainless Steel/Brass
Strainer Screen	Stainless Steel
O-ring	EPDM

Water Capacity (gpm)

Pipe Size	P2 Var	Differential Pressure (P ₁ - P ₂) PSI			
		10	25	50	100+
1/2"	5	1.8	2.3	2.4	2.8
	10	4.8	5.3	6.0	8.9
3/4"	15	9.1	10.0	10.9	11.8
	20	14.3	15.8	16.5	16.6
1"	5	1.5	2.0	2.7	6.9
	10	8.7	12.8	13.6	17.5
	15	14.2	20.9	27.3	28.0
	20	17.3	25.7	30.9	42.8
1 1/4"	5	18.5	20	25.4	25.7
	10	43.2	45.5	48.6	50.4
	15	64.8	67.4	69.5	70.5
	20	77.7	80.3	87.8	95.2

¹ Lead free for all models, surfaces that are in contact with consumable water contain less than 0.25% lead by weight.



Dimensions (inches)

Size	Connection Style	A			B	C
		Direct	Single Union	Double Union		
1/2"	NPT	3-1/4	4	4-3/4	4-3/8	3/4
	Sweat	-	4	4-3/4		
	Cold Expansion	-	-	5.44		
	SharkBite	4.24	-	5.88		
3/4"	NPT	3-7/16	4-3/16	4-15/16	4-3/8	3/4
	Sweat	-	4-5/16	5-1/4		
	CPVC	-	-	5-3/8		
	Barb	-	-	5-11/16		
1"	Cold Expansion	-	-	6.1	4.37	0.75
	SharkBite	4.48	-	7.05		
	NPT	4-3/16	5-3/16	6-3/16		
	Sweat	-	5-5/16	6-7/16		
1 1/4"	CPVC	-	-	6-1/2	4-3/8	1
	Barb	-	-	7		
	Cold Expansion	-	-	7.44		
	SharkBite	6.00	-	8.71		
1 1/2"	NPT	4-3/16	5-11/16	6-9/16	7-11/16	1-3/8
	Sweat	-	5-7/8	6-15/16		
	Cold Expansion	-	-	8.6		
	SharkBite	9.42	-	-		
2"	NPT	4-3/16	5-15/16	7	7-11/16	1-5/8
	Sweat	-	6	7-3/16		
	Cold Expansion	-	-	8.96		
	NPT	4-3/16	6	7-3/16		
2"	Sweat	-	6-1/4	7-11/16	7-11/16	1-7/8
	Cold Expansion	-	-	10		

Product Submittal

Name		Contractor	
Date		Tag	
Architect/Owner		Notes	

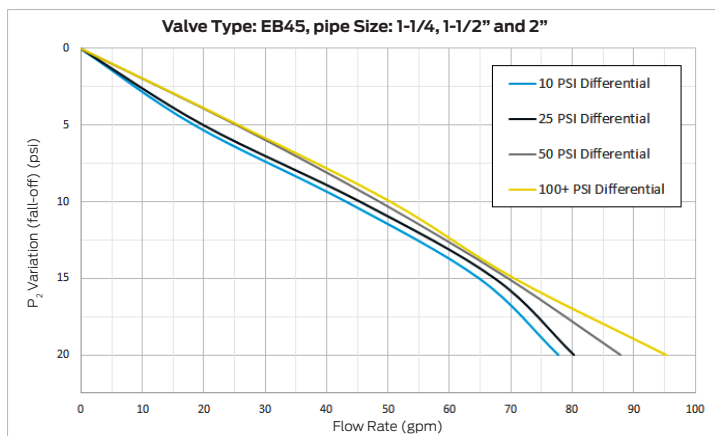
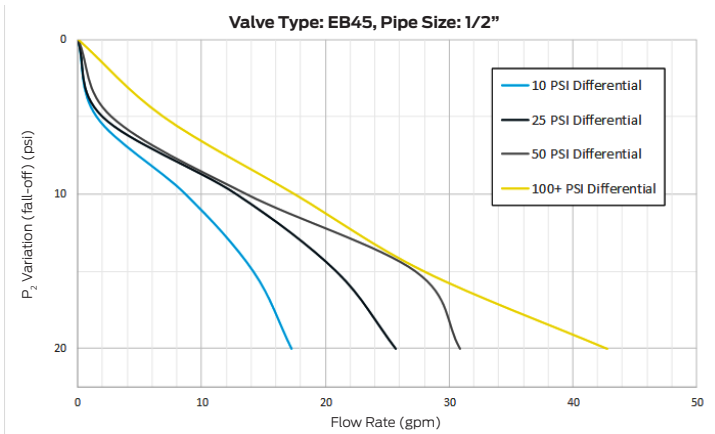
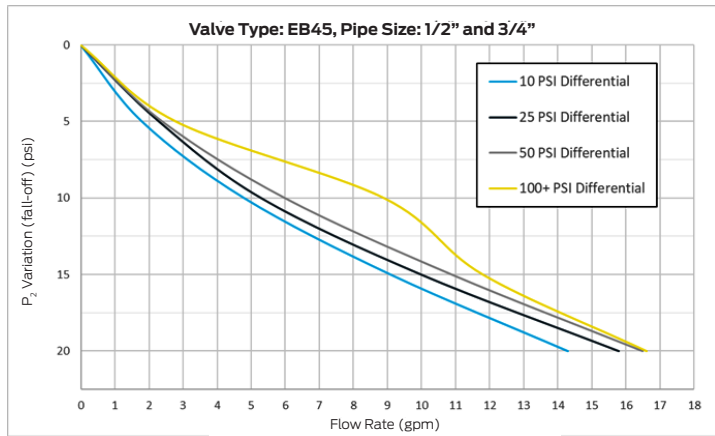
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Cash Acme EB45 Flow Capacity



Codes and Standards

ASSE 1003, CSA B356, NSF/ANSI/CAN, NSF/ANSI/CAN 61



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