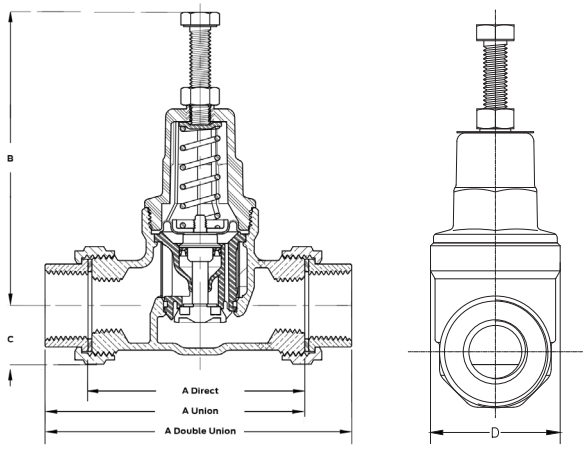
CashAcme™

Cash Acme™
EB45 Pressure Regulating Valve

The Cash Acme™ EB45 Pressure Regulating Valve features the simplicity and performance of a cartridge-based design with the added benefit of direct access to the pressure adjusting screw. The EB45 comes factory set at 45 psi but may be adjusted between 10-70 psi.



Approved Applications

Commercial and domestic water applications.

Specification Data

Performance	
Maximum pressure	400 psi (1/2", 3/4" and 1") 300 psi (1-1/4", 1-1/2" and 2")
Temperature Range	33°F - 180°F (0.6°C - 82.2°C)
Service	Water
Outlet pressure range	10-70 psi

Materials			
1	Body		Lead-Free[1] Brass
2	Spring Chamber	½" and 3/4" Models	Reinforced Engineered Polymer or Iron
		1" through 2" Models	Iron
3	Adjusting Spring		Steel (Zinc Plated)
4	Diaphragm		Reinforced EPDM
5	Body Seat	½" and 3/4" Models	Polyphenylene Ether
		1" through 2" Models	Polysulfone
6	Seat Disc		EPDM
7	Piston		Stainless Steel/Brass
8	Strainer Screen		Stainless Steel
9	O-ring		EPDM

SharkBite Union Materials	
Body	Lead-Free[1] DZR Brass
O-ring	EPDM
Grab Ring	Stainless-Steel Tube Support
Liner	Polysulfone

[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	D
		Direct	Single Union	Double Union			
1/2"	NPT	3-1/4	4	4-3/4	4-3/8	3/4	1-47/64
	Sweat	-	4	4-3/4	4-3/8	3/4	1-47/64
	Cold Expansion	-	-	5-7/16	4-3/8	3/4	1-47/64
	SharkBite Slip	6-51/64	-	5-57/64	4-3/8	3/4	1-47/64
3/4"	NPT	3-7/16	4-3/16	4-15/16	4-3/8	3/4	1-47/64
	Sweat	-	4-5/16	5-1/4	4-3/8	3/4	1-47/64
	CPVC	-	-	5-3/8	4-3/8	3/4	1-47/64
	Barb	-	-	5-11/16	4-3/8	3/4	1-47/64
	Cold Expansion	-	-	6-3/32	4-3/8	3/4	1-47/64
	SharkBite Slip	7-5/8	-	7-3/64	4-3/8	3/4	1-47/64
1"	NPT	4-3/16	5-3/16	6-3/16	4-3/8	3/4	2-1/8
	Sweat	-	-	6-7/16	4-3/8	1	2-1/8
	CPVC	-	-	6-1/2	4-3/8	1	2-1/8
	Barb	-	-	7	4-3/8	1	2-1/8
	Cold Expansion	-	-	7-7/16	4-11/32	1-3/64	2-1/8
	SharkBite	6	-	8-45/64	4-11/32	1-3/64	2-1/8
1-1/4"	NPT	4-3/16	5-11/16	6-9/16	7-11/16	1-3/8	3-7/64
	Sweat	-	5-7/8	6-15/16	7-11/16	1-3/8	3-7/64
	Cold Expansion	-	-	8-19/32	7-49/64	1-11/32	3-7/64
	SharkBite	9-27/64	-	-	7-49/64	63/64	3-7/64
1-1/2"	NPT	4-3/16	5-15/16	7	7-11/16	1-5/8	3-5/32
	Sweat	-	6	7-3/16	7-11/16	1-5/8	3-5/32
	Cold Expansion	-	-	8-61/64	7-49/64	1-37/64	3-5/32
2"	NPT	4-3/16	6	7-3/16	7-11/16	1-7/8	3-11/16
	Sweat	-	6-1/4	7-11/16	7-11/16	1-7/8	3-11/16
	Cold Expansion	-	-	10	7-49/64	1-27/32	3-11/16

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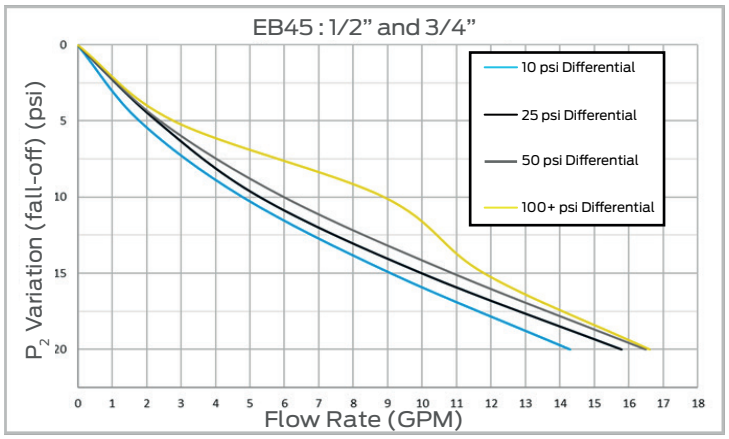
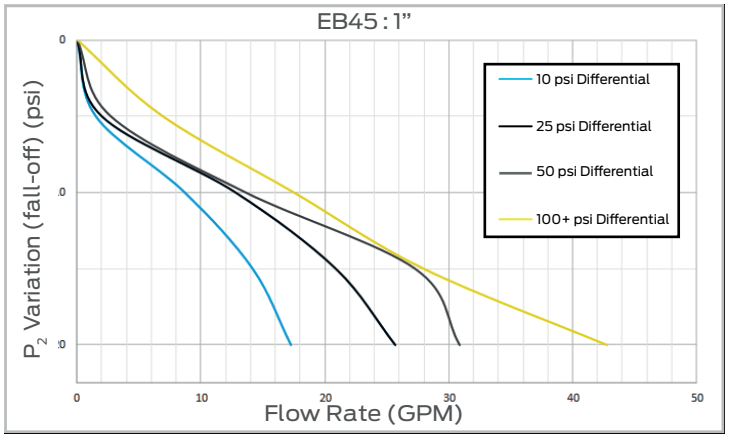
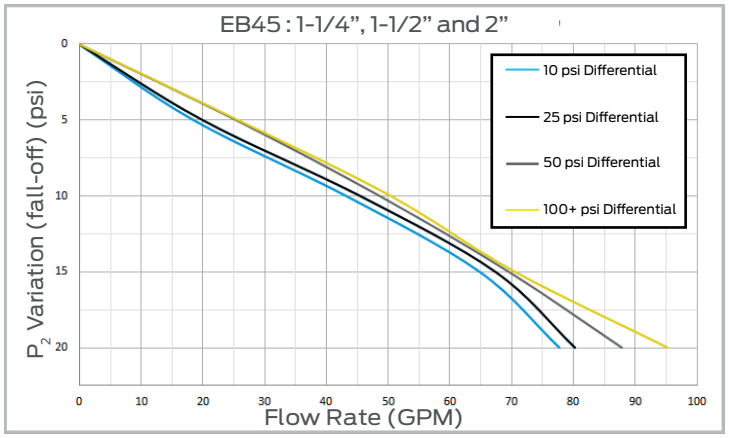
Cash Acme EB45 Flow Capacity

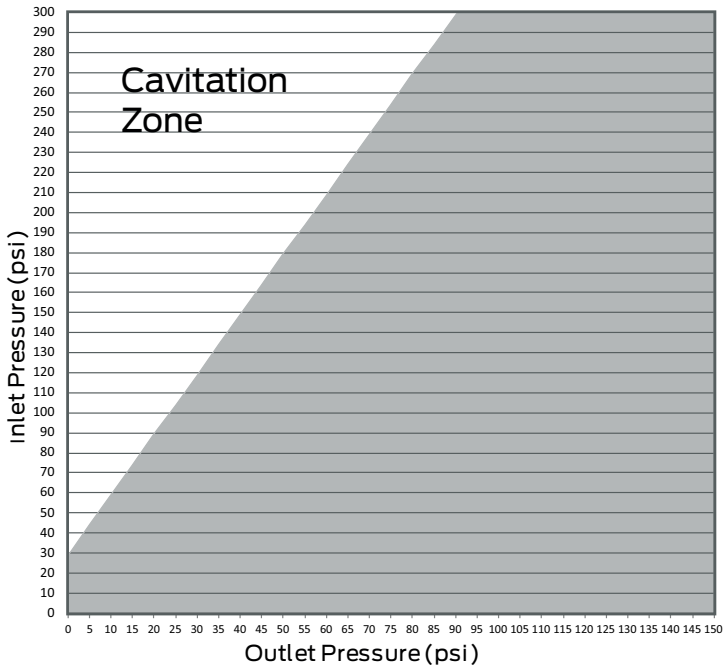






Pressure Differential: Difference between the inlet pressure and the PRV set pressure.
P_2 Variation: Pressure reduction of the outlet due to the demand created downstream when a fixture is opened and water is allowed to flow through the PRV.

Cash Acme PRV Cavitation Chart



Certifications & Listings

ASSE 1003, CSA B356, NSF/ANSI/CAN 372, NSF/ANSI/CAN 61

1003

Refer to local plumbing code

Product Submittal	
Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	

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