

Cash Acme™

E41 Pressure Regulating Valve

The Cash Acme E41 Pressure Regulating Valve automatically reduces a high inlet pressure to a lower delivery pressure and maintains the lower pressure within acceptable limits. It provides high capacity and close regulation for more demanding and higher quality installations. The E41 is similar in internal design to the E3 regulator with the exception that it is not fitted with an inbuilt strainer for systems which do not require the feature, or where separate, individual strainers are preferred.

Approved Applications

Commercial and residential water and dry, filtered air applications.

Specification Data

Performance

Maximum Inlet pressure	300 psi
Temperature range	33°F - 180°F (0.6°C - 82.2°C)
Service	Air and Water
Outlet pressure range	20-70 psi ¹
Factory Set	45 psi

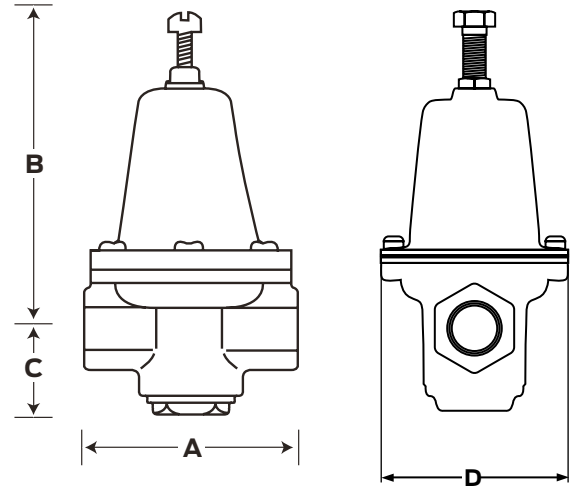
Materials

1	Body	Lead-Free ² Bismuth Bronze
2	Spring Chamber	1/2" & 3/4" Gray Iron 1" - 2" Aluminum
3	Adjustment Spring	Steel (Zinc Plated)
4	Body Seat	Stainless Steel
5	Diaphragm	Nylon Fabric Reinforced EPDM
6	Seat Disc	Buna-N
7	Piston	Lead-Free Bismuth Bronze
8	Piston Spring ³	Stainless Steel
9	Bottom Plug	Lead-Free Bismuth Bronze

¹ Low (10-40 psi) and High (71-150 psi) pressure ranges are also available

² Lead-free for all models. Surfaces that are in contact with consumable water contain less than 0.25% lead by weight.

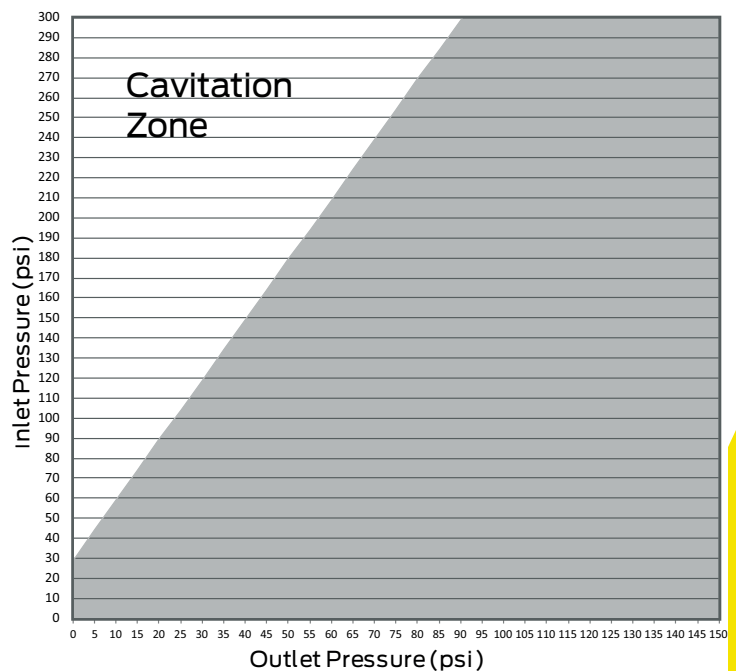
³ Low pressure range only



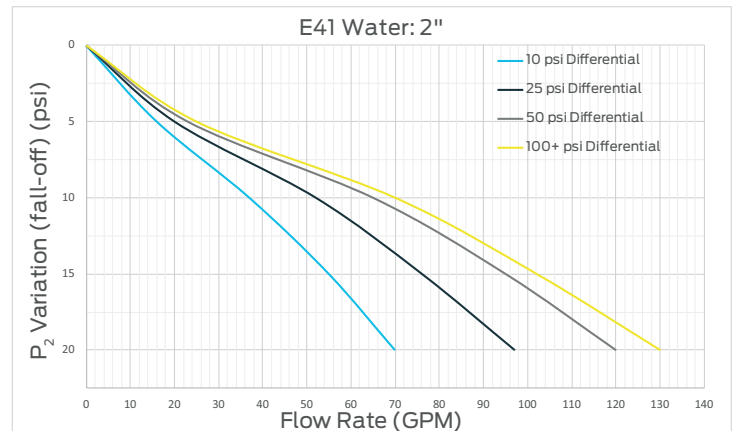
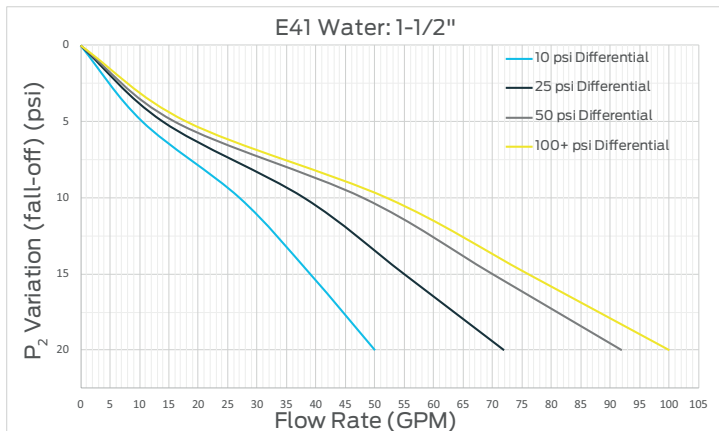
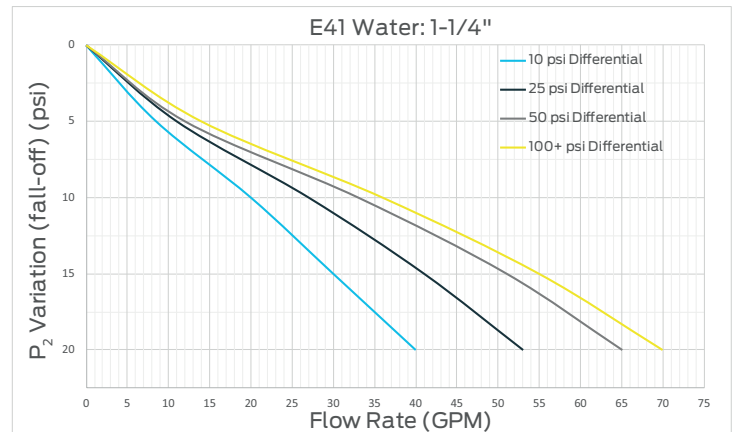
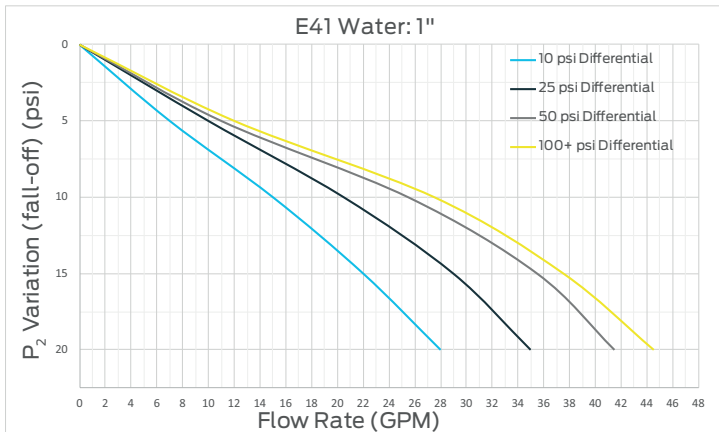
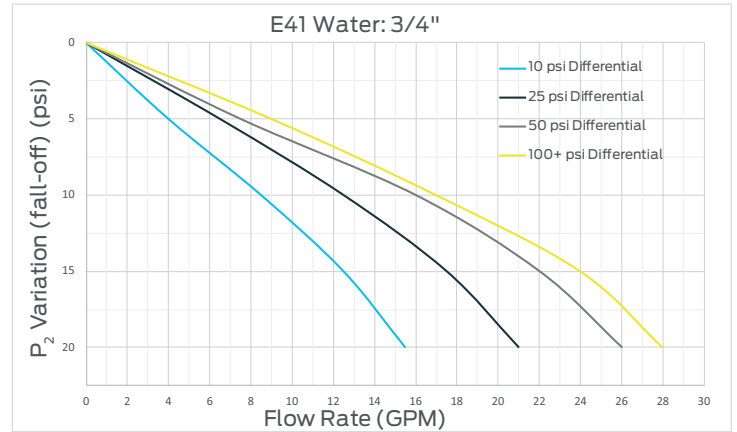
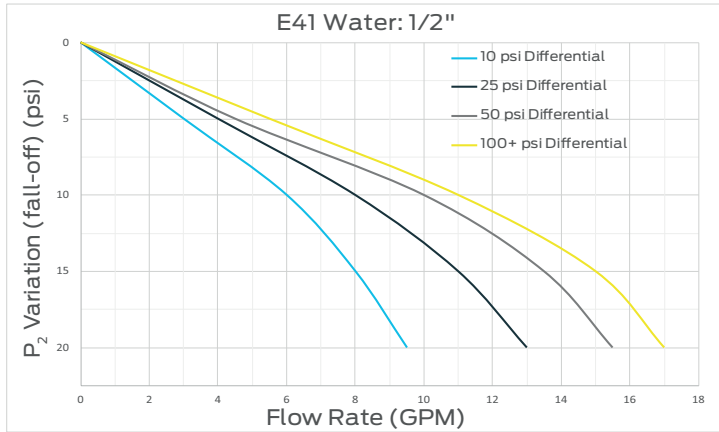
Dimensions (inches)

Size	A	B	C	D
1/2"	3-3/8	5-1/4	1-1/2	3-1/8
3/4"	4-1/16	5-15/16	1-7/8	3-7/8
1"	4-9/16	7	2-5/16	4-3/4
1-1/4"	5-3/16	8	2-3/8	5-1/4
1-1/2"	5-13/16	8-1/2	2-5/8	5-3/4
2"	6-1/2	10-1/4	2-3/4	6-1/2

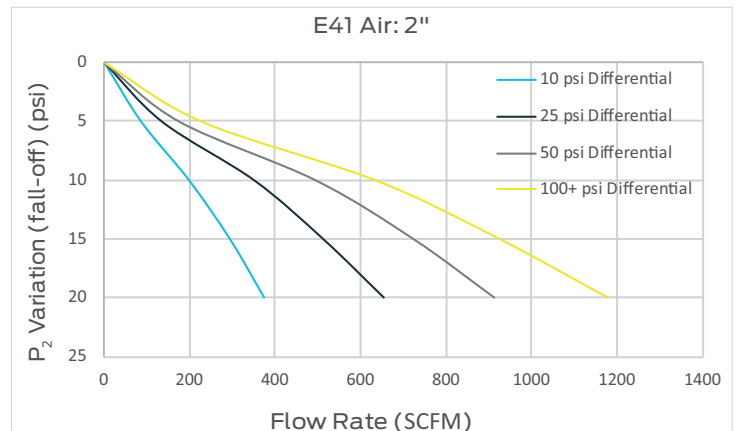
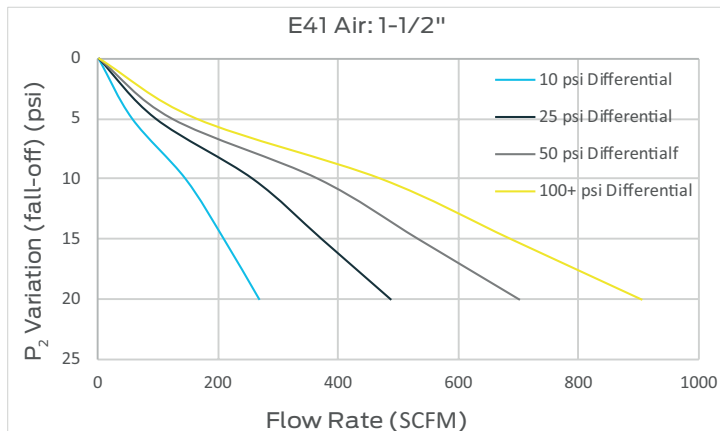
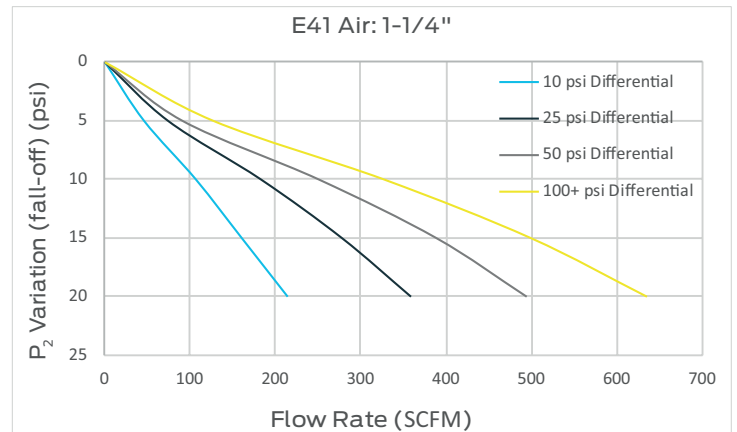
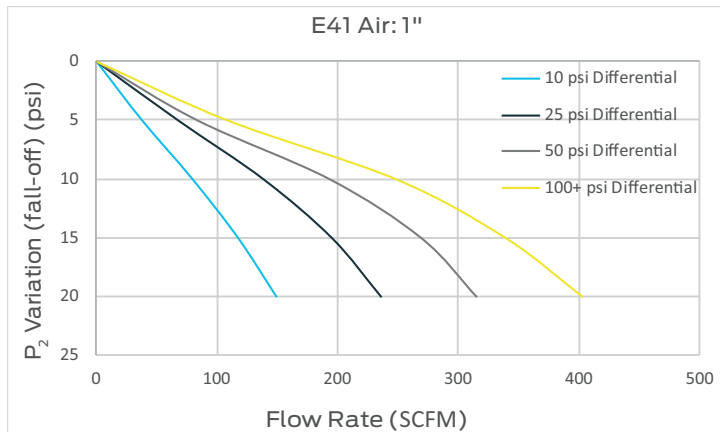
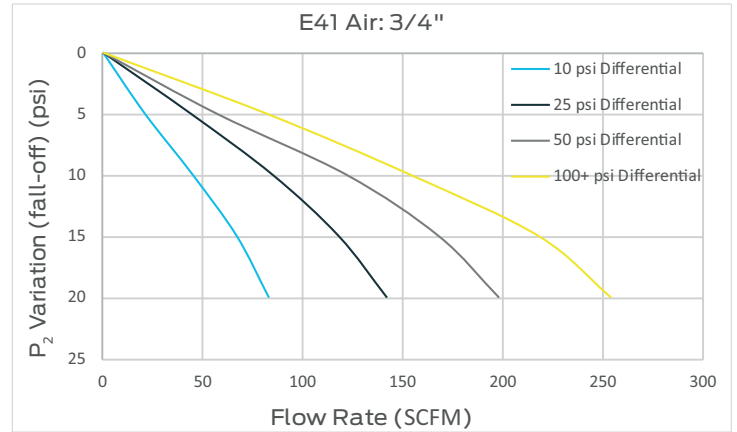
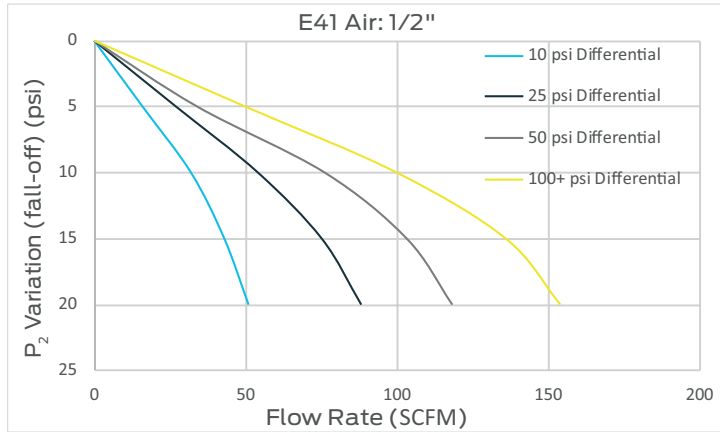
Cash Acme PRV Cavitation Chart



Cash Acme E41 Water Capacity



Cash Acme E41 Air 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.

Certifications & Listings

ASSE 1003, NSF/ANSI 372



Refer to local plumbing code

Product Submittal

Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	