

# Cash Acme™ E56 Pressure Regulating Valve

The E56 Piston Type Pressure Regulating Valve automatically reduces a high inlet pressure to a lower delivery pressure and maintains the lower pressure within acceptable limits. The valve is designed for water, air, light oil, gases (except steam) and other fluids not corrosive to brass. The E56 is exceptionally simple in construction and does not have a diaphragm. Instead it incorporates a chrome plated spring-opposed, balanced piston design. The E56 is available with threaded or flanged connections in 2", 2-1/2", and 3" sizes. The E56 is available with a variety of factory set pressures ranging from 15-125 psi. The available pressure ranges depend on the spring installed: 15-50 psi, 40-60 psi, 50-110 psi, or 80-125 psi.

## Approved Applications

Large commercial and industrial water, air, light oil and gas (except steam) applications

## Specification Data

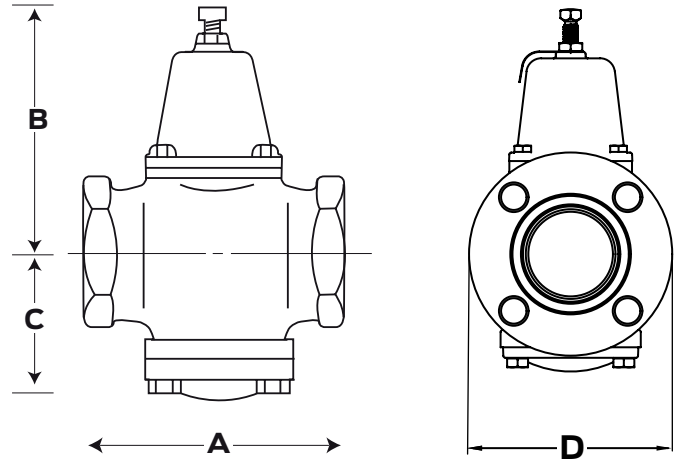
### Performance

Maximum Inlet pressure	400 psi (threaded), 225 psi (150 lb ANSI flanged)
Temperature range	33°F - 180°F (0.6°C - 82.2°C)
Service	Air, water, light oils, and gases (except steam)
Outlet pressure range	15-50 psi, 40-60 psi, 50-110 psi and 80-125 psi

### Materials

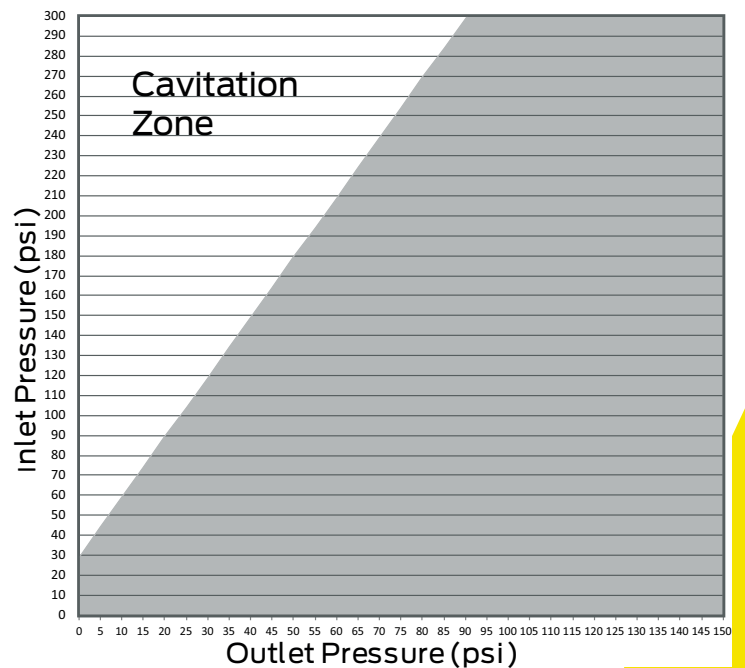
1	Body	Lead-Free <sup>1</sup> Bismuth Bronze
2	Spring Chamber	Brass
3	Piston	Lead-Free Bismuth Bronze
4	Seat Disc	Buna-N
5	Pressure Spring	Stainless Steel
6	Bottom Cap	Lead-Free Bronze

<sup>1</sup>Lead-free for all models. Surfaces that are in contact with consumable water contain less than 0.25% lead by weight.

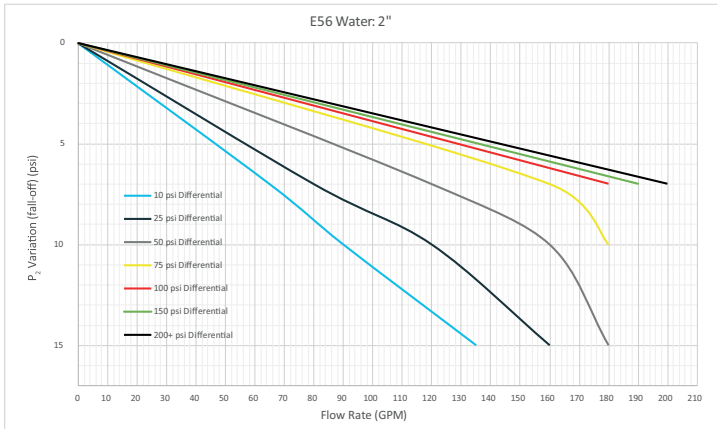


Dimensions (inches)					
Size	Connection Style	A	B	C	D
2"	Threaded	7-1/2	7	3-1/2	-
	150lb MSS Flanges	8-1/4	7	3-1/2	6
2-1/2"	Threaded	7-1/2	7	3-1/2	-
	150lb MSS Flanges	8-1/4	7	3-1/2	7
3"	Threaded	9-1/4	7	3-1/2	-
	150lb MSS Flanges	8-1/4	7	3-3/4	7-1/2

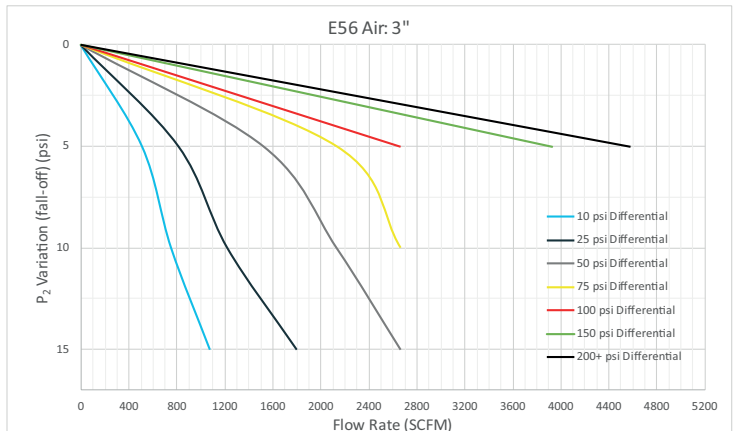
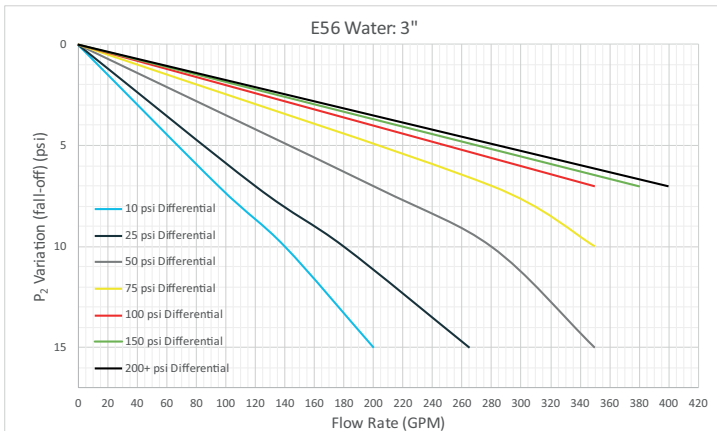
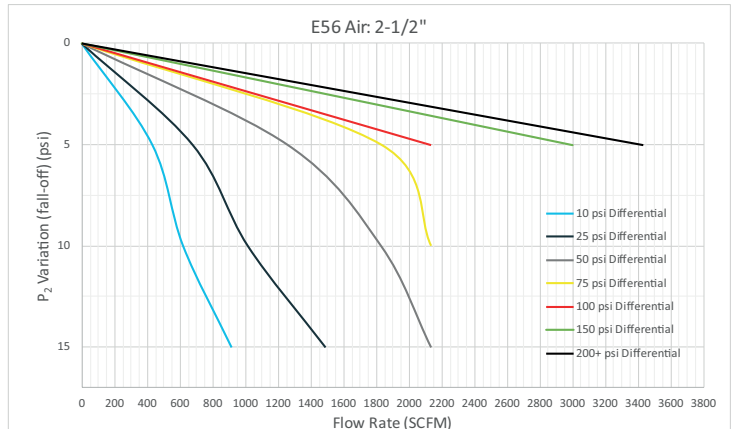
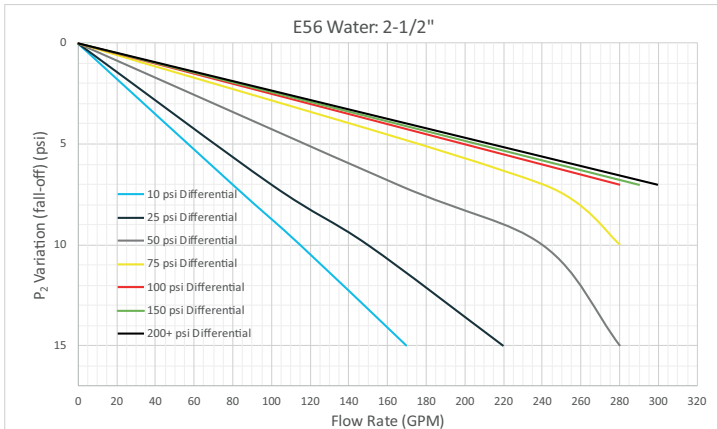
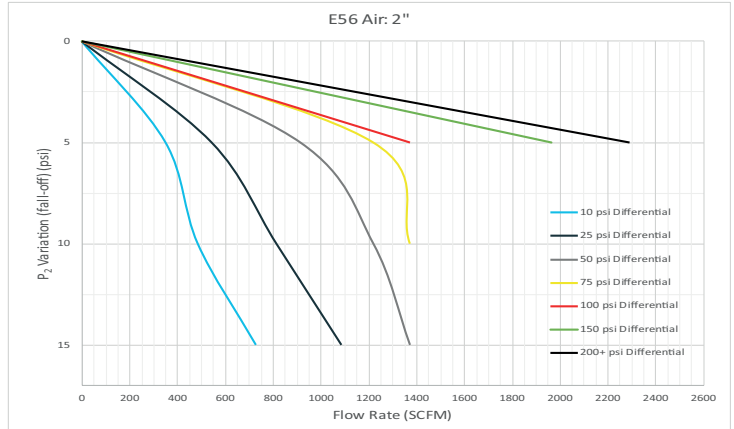
## Cash Acme PRV Cavitation Chart



## Cash Acme E56 Water Capacity



## Cash Acme E56 Air Capacity



**Pressure Differential:** Difference between the inlet pressure and the PRV set pressure.

**P<sub>2</sub> 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.

### Product Submittal

Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	