

# ASCO™ Series 256/ 356 Compact Valves

2-Way & 3-Way Stainless Steel, Lead-Free Brass, and Composite Valves  
1/8" – 1/4" | In-Line and Pad-Mount Designs

## Applications

Compact, lightweight, and powerful fluid control products for Original Equipment Manufacturers' (OEM) systems. A wide variety of certifications, elastomers, and body materials are designed for Air, Gas, Steam, Drinking Water, and Light Oil. Ideal for Compressors, Food and Beverage, Sterilizers, HVAC, Semiconductor, and other compact fluid control applications.



## Features & Benefits

### Wide Variety of Pressure and Flow Ratings

- Up to 30 bar (435 psi) Operating Pressure Differential (OPD).
- Direct Acting, 0 bar (psi) Min OPD.
- Flow Kv (Cv) from 0.05 – 0.48 (0.06 – 0.56)

### Easy to Install and Maintain

- Nut-for-Tube (Compression Fitting) and push-to-connect fitting options allow for quick installation
- Fully rotatable coils allow for flexible electrical connections
- Removable coils, even when the valve is under pressure

### Certifications, Approvals, and Directives Met

- NSF 169
- EC 1935/ 2004 approval
- UL429 / CSA
- EPA SDWA\*
- EN 60335

### Optional Features

- Manual Operator
- AC/DC interchangeability of the solenoid without disassembly of the valve
- NBR, EPDM, FPM, CR70N, Ruby discs and seals
- 2-Way Composite, Lead-Free Brass\*, and 316 Stainless Steel Options
- 3-Way Lead-Free Brass\* and 316 Stainless Steel

## Specifications

Type	2-Way				2-Way / 3-Way			3-Way	
Design	In-Line Body Design				Pad Mount			In-Line with 3rd Port in Core Tube	
Body Material	Lead-Free Brass*, 316 Stainless Steel	Composite (PPS)			Lead-Free Brass*, 316 Stainless Steel			Lead-Free Brass*, 316 Stainless Steel	
Product Look									
End Connection	Female Thread	G-Thread	Push-to-connect	Compression Fitting	Compression Fitting	Pad-Mount 2Way	Pad-Mount 3Way	3-Way 3rd Port Female Thread	3-Way 3rd Port Male Thread
Operation	Normally Open or Normally Closed				Normally Open, Normally Closed, and Universal				
Pipe Size	1/8", 1/4"	1/8"			4.5mm (0.18")			1/8", 1/4"	
Flow Kv (Cv)	0.05 - 0.48 (0.06 - 0.55)	0.066 - 0.08 (0.07 - 0.09)			0.08 - 0.18 (0.09 - 0.21)			0.05 - 0.4 (0.06 - 0.46)	
MOPD Air bar (psi)	0 - 30 (0 - 435)	0 - 10 (0 - 145)			0 - 30 (0 - 435)			0 - 15 (0 - 218)	
Wattage	3 - 9 W	3 - 3.5 W			5 - 9 W			3 - 9 W	
Electrical Connections	DIN (with or without connector), Flying Leads								

\*The term "Lead-Free" for brass materials is defined by SDWA 1417 as having a maximum weighted average lead content of 0.25% across the wetted surface area.

For more information:  
Emerson.com/ASCO

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