

TAC3 Valves

C42E1, C42E2, C42AE1, C42AE2, CM42E1, CM42E2, CM42AE1, CM42AE2

TAC3 Electric C42E Series are directional control valves that achieve 0.5 Cv flow capacity. These pressure unbalanced spool/air-spring return valves are suitable for operating medium size cylinders, up to 2" bore. Low power consumption solenoids are standard. Two-position, 4-way models available as inline valves or manifold mount and internal or external pilot.

Base Models

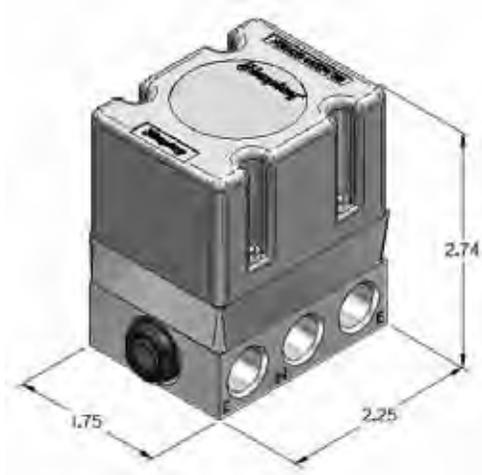
- Single Solenoid, Inline (C42E1)
- Double Solenoid, Inline (C42E2)
- Single Solenoid, External Pilot Inline (C42AE1)
- Double Solenoid, External Pilot Inline (C42AE2)
- Single Solenoid, Manifold Mount (CM42E1)
- Double Solenoid, Manifold Mount (CM42E2)
- Single Solenoid, External Pilot, Manifold Mount (CM42AE1)
- Double Solenoid, External Pilot, Manifold Mount (CM42AE2)

Features and Benefits

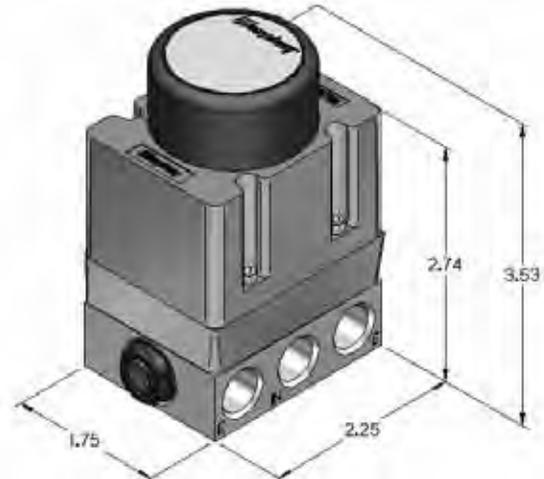
- Low leak rate.
- High flow. Small size.
- Quiet operation. No AC hum.
- Manual override standard.
- Grommet – standard or DIN type electrical connector – optional.



C42E1



C42E2



SPECIFICATIONS

Design Principle:	Pressure Unbalanced – Air Return, Spring Assist
Porting Type:	4-Way
Port Size:	1/4 PIPE
Media:	Air, Inert Gas
Pressure Range:	30–125 PSIG (AE: 0–125 PSIG)

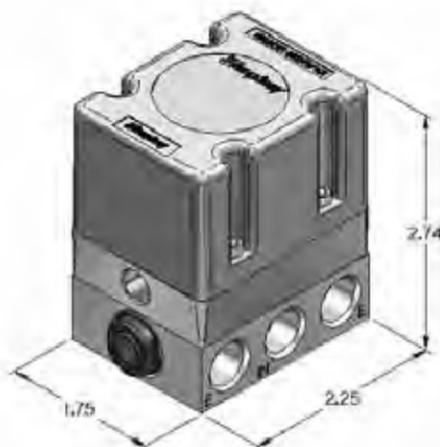
Temperature Range:	-20°F to 150°F
Flow @100 PSIG:	31 CFM, 877 LPM (Cv=0.5)
Power:	7.1/8.2 W
Available Voltages:	12 VDC, 24VDC, 24/50/60, 120/50/60, 240/50/60

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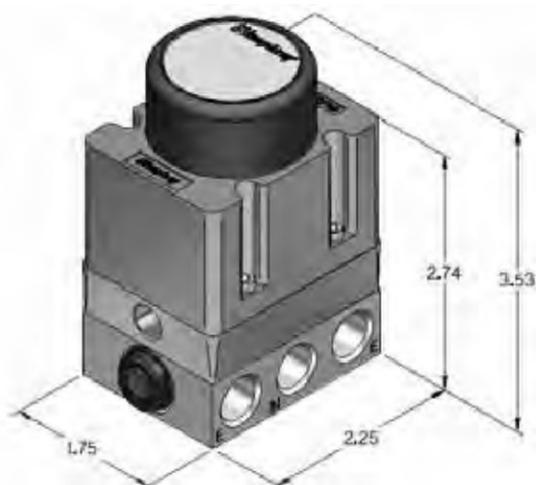
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C42AE1



C42AE2



CMC Manifold

Manifold Types Available

CMC Type: Extruded Aluminum. Delivery ports C1 and C2 located on manifold. Accepts CM42(A)E1 and CM42(A)E2 valve models.

Overall Size (valves not mounted)	Nominal Dimensions (inch)		
	L	H	D
Two Station	3.63	2.02	2.25
Each Additional station	1.88		
Max # of stations	7		



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