C345 SERIES PNEUMATIC VALVES



— 125 PSI AIR —

- 4-WAY, 2 POSITION, 3/8 NPT —
- SINGLE OR DOUBLE AIR PILOT -
- SINGLE OR DOUBLE SOLENOID -
- IN-LINE, BRACKET AND MANIFOLD MOUNTING —

- RUGGED MACHINE TOOL QUALITY & CONSTRUCTION -





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SOLENOID VALVES

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The C345 Solenoid Valves are a rugged yet compact valve which feature Delrin Sleeve construction to reduce friction for smooth performance and long life. They are available as single or double solenoid, internal or external piloted, and can be mounted in-line, on CMX Series Manifolds or with mounting brackets. All solenoid valves have nonlocking manual overrides. The valve cover serves as a junction box for easy wiring and can be removed without disconnecting wiring.

SPECIFICATIONS

SPECIFICATIONS Flow to atmosphere at	125 PSIG		1/(SCEM			
Pressure range	125 F 516			501 W			
E1/E2			30-12	25 PSIG			
AE1/AE2							
A/A2			0-12	25 PSIG			
External pilot pressure	AE I/AEZ	pressure, 30	t DRSIG m	inimum			
Pilot pressure A/A2	valveu		ved Pres				
			60				
Minimum pilot C(N	1)345-4A	30	40	55			
	C(M)345-4A2		15	15			
	Temperature range: Solenoid20 to 150 F						
Piloted							
Operating speeds:				0 100 1			
E1/E2 & AE1/AE2			to 60	DO CPM			
A/A2							
Materials							
Medium	518	inless steel,	Buna-IN	OF VILON Air			
Lubrication	F	Recommende	ed for all	models			
Weight:							
Valves- C(M)345-4E1/	4AE1		1 lb	. 13 oz.			
C(M)345-4E2/4AE22 lb. 3 o C(M)345-4A/4A213 o							
Manifolds- CMX2	ΑΖ		2	1302. h 807			
		. 4 oz. per a					
ELEC.	TRICAL SPEC						
	WATTS			ANGE			
240 VAC*	6.1	1350		140			
120 VAC*	8.2	255	35-60				
24 VAC[] 24 VDC	6.0 6.6	86 86	21-31				
12 VDC	7.4	19	_				
AC Voltages are dual frequency 50 and 60 hertz.							
Voltage fluctuations: Coils are designed for service at plus 10%,							
minus 15% of rated voltage.							
Rectifiers: Ohms resistance readings are without rectifiers. *Silicon, halfwave 600 P.I.V. avalanche-type rectifier installed in							
black lead.							
[] Two silicon halfwave 600 P.I.V. avalanche-type rectifiers in "fly-							
wheel" configuration. One installed in black lead, the other							
bridges the black and yellow leads.							
Note: Control circuits must accommodate rectifiers used in AC voltage valves.							
Lead wires: 24 inches from coil standard.							
Other voltages: Consult factory.							
RESPONSE TIME @ 100 PSIG							
MODEL	A	C	DC				
		CLOSE (CLOSE			
C(M)345-4E1/4AE C(M)345-4E2/4AE			.028 .024	.043 .024			
			.024	.024			
FLOW CO-EFFICIENT All in-line valvesCV = 1.5							
All manifold mount val							



Model Symbol	Description	
C345-4E1	4-way, 2 position, single solenoid, spring return, internal pilot, in-line mount	
C345-4E2	4-way, 2 position, double solenoid, internal	
CHALL CHAR	pilot, in-line mount	
C345-4AE1		
¤₽ <u>₹</u> ŢŢŢ	4-way, 2 position, single solenoid, spring return, external pilot, in-line mount	
C345-4AE2		
	4-way, 2 position, double solenoid, external pilot, in-line mount	
CM345-4E1		
ͲΞℤͲϏʹϷ	4-way, 2 position, single solenoid, spring return, internal pilot, manifold mount	
CM345-4E2		
ਯੂਜੇ 11 (ਦਿਸ	4-way, 2 position, double solenoid, internal pilot, manifold mount	
CM345-4AE1		
╓┓┐╖╷	4-way, 2 position, single solenoid, spring return, external pilot, manifold mount	
CM345-4AE2		
	4-way, 2 position, double solenoid, external pilot, manifold mount	

See page 4 for dimensional information

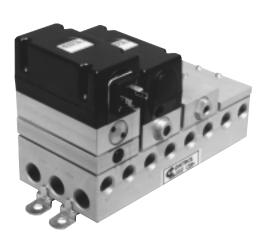
AIR PILOTED VALVES



The C345 Air Piloted Valves are a rugged yet compact valve which feature Delrin Sleeve construction to reduce friction for smooth performance and long life. They are available as single or double air piloted, and can be mounted in-line, on CMX Series Manifolds or with Mounting Brackets.

Model	Description	Symbol
C345-4A	4-way, 2 position, air piloted, spring return, in-line mount	⊡ <u>∖∖</u>
C345-4A2	4-way, 2 position, double air piloted, in-line mount	ē∭ţ
CM345-4A	4-way, 2 position, air piloted, spring return, manifold mount	⊡ <u>∑∏</u> ‡
CM345-4A2	4-way, 2 position, double air piloted, manifold mount	ē∭ţ

See page 4 for dimensional information



CMX SERIES MANIFOLDS

Manifolds permit centralized location of control valves, simplify plumbing and reduce installation costs. Valves and manifolds can be sub-assembled and placed in the end product as a complete, unitized control unit, thereby saving the time and labor involved with installing valves individually.

CMX series manifolds are of rugged, one-piece extruded aluminum construction and are available in models for two to seven stations. A CMX manifold has a common inlet and two common (captured) exhausts. Captured exhaust is desirable when exhausting medium must be piped away to avoid contamination of the ambient area, as in clean rooms.

Valves mount in either of two positions. The position of the electrical connections can be changed by reversing the valve on the manifold.

A CMX series manifold will accept any combination of single or double solenoid and single or double air piloted CM345 valves.

The manifold is furnished with four mounting brackets and screws.

MANIFOLDS, OPTIONS AND ACCESSORIES



PLUG-IN ELECTRICAL CONNECTOR, CODE 39 This optional plug-in electrical connector simplifies wiring and speeds installation. The HS-4 socket for single or double solenoid valves is not supplied with Code 39. Order separately. Cord not included.



MOUNTING BRACKET, 8-45A

The 8-45A mounting bracket comprises of two "Z" type shouldered mounting brackets and two $5/_{16}$ -18 x $3/_{6}$ long screws. Bracket and screws are plated steel.



BLOCK-OFF PLATE, 8-39A

This block-off plate may be used either to suspend use of a station or to reserve a station for future use.



SPEED CONTROL, CODE 74

This unit, for use with CM345 series manifold valves, provides controlled exhaust flow in both modes of valve operation. The exhaust is ported to the manifold and may be captured.

