Installation and Maintenance - Product E25, 'Cnomo' Series

Part codes

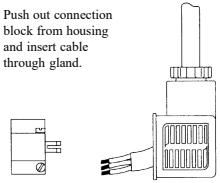
E2518C****	Solenoid / Spring, Internally Piloted
E2580C****	Solenoid / Spring, Externally Piloted
E2519C****	Solenoid / Solenoid, Internally Piloted
E2590C****	Solenoid / Solenoid, Externally Piloted

Electrical Connections

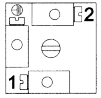
Electrical connections vary depending on the coil type fitted to the valve. The principal alternatives are either Plug and Sock et or Conduit Entry.

Plug and Socket Coils

Push out connection block from housing and insert cable through gland.



Electrical connections are made to terminals 1, 2 and earth if necessary. When a surge suppression diode has been fitted ensure that terminal 1 is positive and terminal 2 is negative.

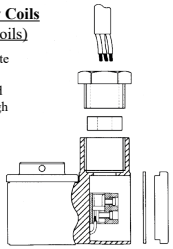


Top view without Surge suppression diode.

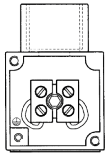
Top view with Surge suppression diode.

Conduit Entry Coils (terminal box coils)

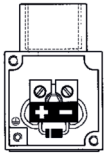
Remove cover plate to allow access to terminal block and insert cable through gland and bush.



Electrical connections are made to the two terminals and earth if necessary. When a surge suppression diode has been fitted the terminals will be polarity sensitive. Ensure correct connection.



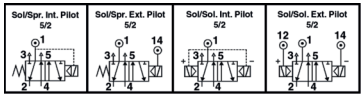
Top view without Surge suppression diode.

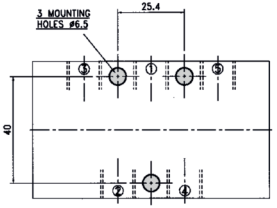


Top view with Surge suppression diode.

Installation

The valve body is machined with three mounting holes to the dimensions shown below. This enables the user to mount the valve to a bracket or other suitable location.





Air supply requirements

Filtration & Lubrication

The supply air shall be clean, dry and free from water, moisture, foreign parts and debris. It is recommended that a <40µ filter/regulator be installed as close to the valve as possible to ensure proper supply air quality. The air supply can be either lubricated or non-lubricated. In the case of lubricated air being used, the recommended oil types are ISO and UNI FD22 (Energol HPL ~ Spinesso ~ Mobil DTE ~ Telles Oil).

Air Pressure Range Table	Internal Pilot Sol. / Spring	External Pilot Sol. / Spring	Internal Pilot Sol. / Sol.	External Pilot Sol. / Sol.
Working Pressure (p.s.i.)	45 to 120	0 to 120	22 to 120	0 to 120
Working Pressure (Bar)	3 to 8	0 to 8	1.5 to 8	0 to 8
Min. Pilot Pressure (p.s.i.)	N/A	45	N/A	22
Min. Pilot Pressure (bar)	N/A	3	N/A	1.5

Connections

Pneumatic Connections

All valve ports are tapped for G1/4 or 1/4"NPT male connectors. The mains air connection is clearly marked with a number 1. The two outlet ports are marked with numbers 2 and 4, and the two exhaust ports are marked with numbers 3 and 5. (See pneumatic symbols at top of page.)
Note that if ports are tapped NPT then the body will be stamped with 'NPT' to identify this variation.

Electrical Connections

For electrical connection details and information please refer to the back of this sheet.

Spares Information - Product E25, 'Cnomo' Series

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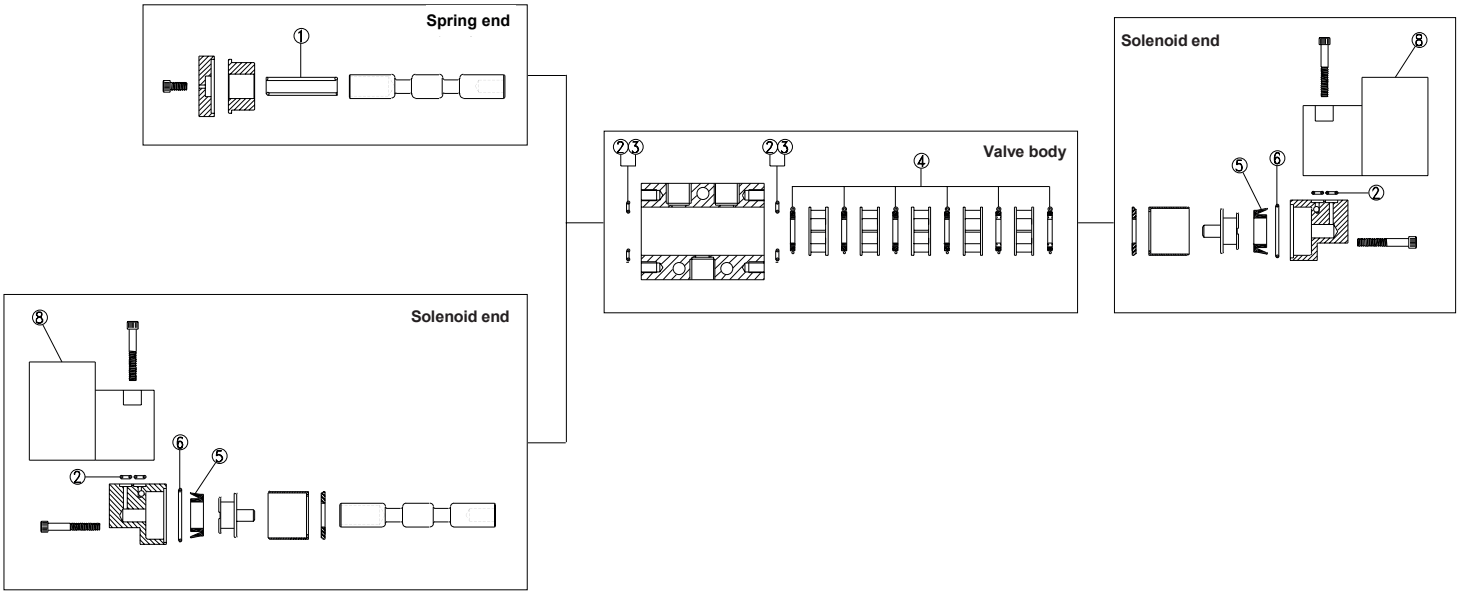
pneumatrol A ROSS CONTROLS Company



Item 8					
Safe area coil assemblies			Hazardous area coil assemblies		
Coil type	Voltage	Part code	Coil type	Voltage	Part code
			EExia	24v DC	E13AXCA00B
Terminal Box	24v DC	E13AXCB00B	EExd	24v DC	E13AXCD00B
	110v AC	E13AXCB00T		110v AC	E13AXCD00T
	240v AC	E13AXCB00U		240v AC	E13AXCD00U
MC30	24v DC	E13AXCK00B	EExm	24v DC	E13AXC900B
	110v AC	E13AXCK00T		110v AC	E13AXC900T
	240v AC	E13AXCK00U		240v AC	E13AXC900U
Plug & Socket	24v DC	E13AXCP00B	ExN	24v DC	E13AXCN00B
	110v AC	E13AXCP00T		110v AC	E13AXCN00T
	240v AC	E13AXCP00U		240v AC	E13AXCN00U

Spares parts kit	Consisting of	Item	Quantity
VSK200	Spring	1	1
	Seal*	2	8
	Blanking Disc*	3	2
	Seal	4	6
	Cup Seal	5	2
	Seal	6	2

Note 1: Not all parts are required for each individual valve.

Note 2:* Item 2 is used for internally piloted valves.
Item 3 is used for externally piloted valves.