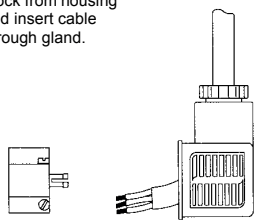


Electrical Connections

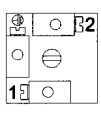
Electrical connections vary depending on the coil type fitted to the valve. The principal alternatives are either Plug and Socket or Conduit Entry.

Plug and Socket Coils

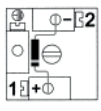
Push out connection block from housing and insert cable through gland.



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.



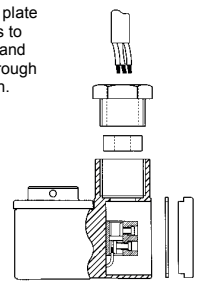
Top view without Surge suppression diode



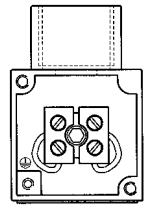
Top view with Surge suppression diode

Conduit Entry Coils (terminal box coils)

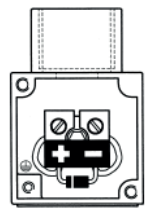
Remove cover plate to allow access to terminal block and insert cable through gland and bush.



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



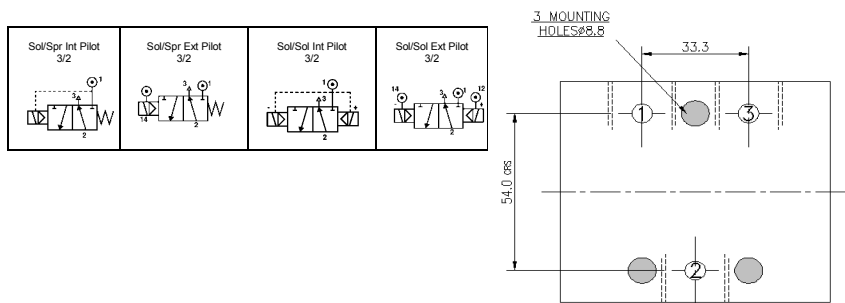
Top view with Surge suppression diode

Part codes

E8318C****	Solenoid / Spring, Internally Piloted
E8380C****	Solenoid / Spring, Externally Piloted
E8319C****	Solenoid / Solenoid, Internally Piloted
E8390C****	Solenoid / Solenoid, Externally Piloted

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 <40 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 / Spr	External Pilot Sol / Spr	Internal Pilot Sol / Spr	External Pilot Sol / Spr
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
Working Pressure (P.S.I.)	N/A	45	N/A	22
Working Pressure (Bar)	N/A	5	N/A	1.5

Connections

Pneumatic Connections

All valve ports are tapped for 1" BSP or 1" 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.)

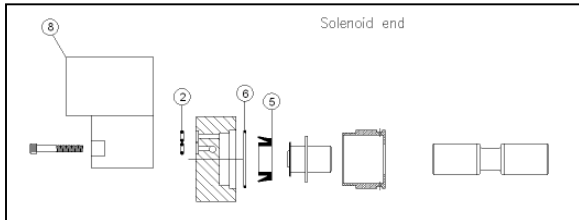
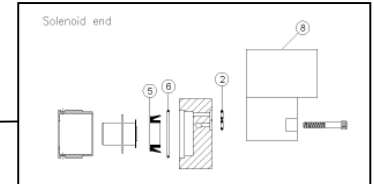
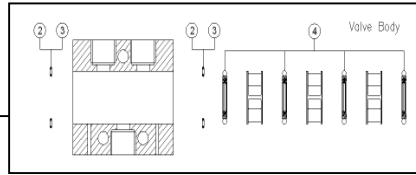
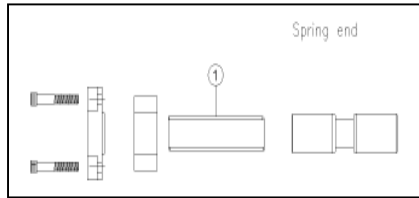
Note that if ports are tapped NPT then the body will be stamped with 'NPT' to identify this variation.

Electrical Connections

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

Spares Information - Product E83, 'Cnomo' Series

pneumatrol



Item 8					
Safe area coil assemblies			Hazardous area coil assemblies		
Coil type	Voltage	Part code	Coil type	Voltage	Part code
			EExia	24V DC	E13AXCA00BA
Terminal Box	24V DC	E13AXCB00B	EExd	24V DC	E13AXCD00BA
	110V AC	E13AXCB00T		110V AC	E13AXCD00TA
	240V AC	E13AXCB00U		240V AC	E13AXCD00UA
MC30	24V DC	E13AXCK00B	EExme	24V DC	E13AXC900BJ
	110V AC	E13AXCK00T		110V AC	E13AXC900TJ
	240V AC	E13AXCK00U		240V AC	E13AXC900UJ
Plug & Socket	24V DC	E13AXCP00B	EExn	24V DC	E13AXCN00BA
	110V AC	E13AXCP00T		110V AC	E13AXCN00TA
	240V AC	E13AXCP00U		240V AC	E13AXCN00UA

Spares parts kit	Consisting of	Item	Quantity
VSK1001	SPRING	1	1
	SEAL*	2	8
	BLANKING DISC*	3	2
	SEAL	4	6
	CUP SEAL	5	2
	SEAL	6	2
VSK1001/SPACERS	SEAL KIT + SPACERS		

Note 1:
Note 2: *

Not all parts are required for each individual valve.
Item 2 is used for internally piloted valves.
Item 3 is used for externally piloted valves.