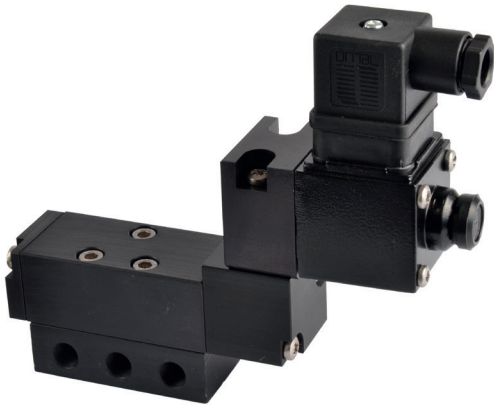


## E15--T Series, 1/8", 5/2 Function Solenoid Valve

**CALL:** +44 (0)1254 872277  
**E-MAIL:** sales@pneumatrol.com



### DESCRIPTION

5 port 2 position, sub base mount solenoid valve.

Valve is illustrated with a safe area plug & socket coil.

Body material available in

- Aluminium (standard)
- Stainless Steel
- Brass

Seal kit available – VSK100

### FEATURES

- Internal or external pilot air connection
- Single coil spring return function or double coil stay put function
- Various manual override options
- Optional bracket mounting
- Fixing holes for mounting from under face
- Optional fixing holes for reverse mounting (Top Face)
- 1/8" BSP inlet and exhaust connections
- Interchangeable CNOMO interface coil units, including hazardous area options

**PRODUCT CODE:**

**E 1 5**

**T**

OPTIONS 1

**0**

DESIGNATOR

**0**

SEE BELOW FOR  
PRODUCT CODE  
DETAILS

Any of the below options that are not required enter '0' in relevant box.

OPERATOR

COIL

VOLTAGE

OPTIONS 2

#### Operator

- |          |          |  |
|----------|----------|--|
| <b>1</b> | <b>8</b> | Spring return, internal pilot air feed         |
| <b>8</b> | <b>0</b> | Spring return, external pilot air connection   |
| <b>1</b> | <b>9</b> | Double solenoid, internal pilot air feed       |
| <b>9</b> | <b>0</b> | Double solenoid, external pilot air connection |

#### Coil

- |          |  |
|----------|--|
| <b>A</b> | Exia (BASEEFA)                         |
| <b>B</b> | Terminal Box                           |
| <b>U</b> | Exia (FM)                              |
| <b>D</b> | Exd                                    |
| <b>K</b> | MC30 Plug & Socket                     |
| <b>N</b> | ExnA                                   |
| <b>P</b> | Plug & Socket                          |
| <b>S</b> | Exia (BASEEFA) Stainless Steel Housing |
| <b>0</b> | No Coil Unit                           |
| <b>9</b> | Exm                                    |

#### Options 1

- |          |                                  |
|----------|----------------------------------|
| <b>C</b> | Lever manual override            |
| <b>D</b> | Push button manual override      |
| <b>S</b> | Screw driver override (standard) |
| <b>0</b> | No option required               |

#### Standard Voltage

- |          |                                 |
|----------|---------------------------------|
| <b>B</b> | 24v DC                          |
| <b>H</b> | 24v DC Low Power <sup>(1)</sup> |
| <b>R</b> | 24v AC (50/60 Hz)               |
| <b>T</b> | 110v AC (50/60 Hz)              |
| <b>N</b> | 220v AC (50/60 Hz)              |
| <b>U</b> | 240v AC (50/60 Hz)              |

\* A comprehensive range of non-standard voltages available on request

#### Note:

- (1) "H" option not available with Exia solenoids  
(2) IECEx only available with Exia and Exd Solenoids  
(3) GOST CU TR only available with Exd solenoids  
(4) NEPSI only available with Exia and Exd solenoids

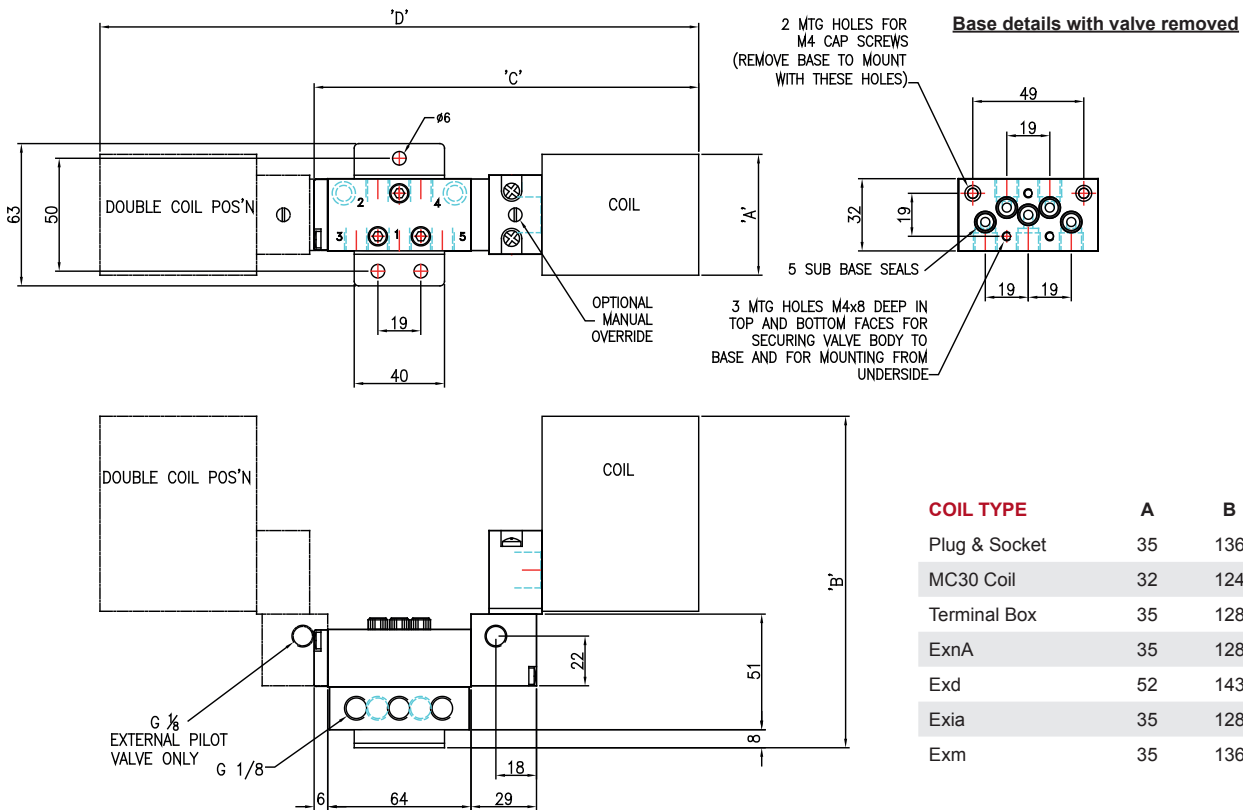
#### Designator

- |          |                           |
|----------|---------------------------|
| <b>A</b> | ATEX                      |
| <b>C</b> | IECEx <sup>(2)</sup>      |
| <b>E</b> | Exme 0.5W                 |
| <b>G</b> | ATEX Exd IIB              |
| <b>H</b> | Exm                       |
| <b>J</b> | Exme 2.4W                 |
| <b>R</b> | GOST CU TR <sup>(3)</sup> |
| <b>X</b> | NEPSI <sup>(4)</sup>      |

#### Options 2

- |          |  |
|----------|--|
| <b>B</b> | Valve body brass   |
| <b>C</b> | Valve body brass and NPT ports   |
| <b>D</b> | Valve body brass, NPT ports and 1/2" NPT electrical connection           |
| <b>E</b> | 1/2" NPT electrical connection   |
| <b>L</b> | Low temperature duty -40°C   |
| <b>M</b> | NPT ports and 1/2" NPT electrical connection                             |
| <b>N</b> | NPT ports  |
| <b>P</b> | Valve body stainless steel, NPT ports and 1/2" NPT electrical connection |
| <b>R</b> | Valve body stainless steel and NPT ports                                 |
| <b>S</b> | Valve body stainless steel   |
| <b>X</b> | Valve suitable for use with Oxygen                                       |

**DIMENSIONS (mm)**



<b>COIL TYPE</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Plug & Socket	35	136	143	210
MC30 Coil	32	124	140	204
Terminal Box	35	128	154	232
ExnA	35	128	154	232
Exd	52	143	170	264
Exia	35	128	160	244
Exm	35	136	146	216

**MATERIAL SPECIFICATIONS**

	<b>STANDARD</b>
Body and End Caps	Black Anodised Aluminium (Dural)
Sub-Base	Black Anodised Aluminium (Dural)
Bracket	Mild steel (Nickel Plated)
Spool	Hard Anodised Aluminium PTFE Impregnated
Jet	Brass
Spacers	Glass Filled Acetal
Seals	Nitrile
Spring	Music Wire
Mounting Screws	Stainless Steel

**VALVE SPECIFICATIONS**

	<b>STANDARD</b>
Port Connection Size	1/8" BSP
Working Pressure Internal Pilot Version	3 to 10 bar
Working Pressure External Pilot Version	3 to 10 bar
Minimum External Pilot Pressure	3 bar
Cv Factor	0.4
Flow Rate (at 6 bar with 1 bar pressure drop)	382 l/min
Maximum Ambient Temperature	+80 °C
Minimum Working Temperature	-20 °C

**COIL DETAILS**

<b>Coil Type</b>	<b>Plug &amp; Socket</b>	<b>Terminal Box</b>	<b>ExnA</b>	<b>Exd</b>	<b>Exm</b>	<b>Exia</b>
Area Class	Safe	Safe	Zone 2	Zones 1 & 2	Zones 1 & 2	Zone 0, 1 & 2
Area Category	N/A	N/A	ExN II T4-T6	Exd IIC T3-T6	Exm IIC T5	Exia IIC T6
Ingress Protection	IP65	IP65	IP65	IP66	IP65	IP65
Cable Entry	PG.9	M20 x 1.5	M20 x 1.5	M20 x 1.5	Flying leads	M20 x 1.5
Ambient Temperature	-20 to +80 °C	-20 to +80 °C	-40 to +60 °C	-60 to +80 °C	-20 to +65 °C	-40 to +65 °C
Magnetic Wire Class	H	H	H	H	H	H

**\* FURTHER SOLENOID OPTIONS AVAILABLE ON REQUEST**