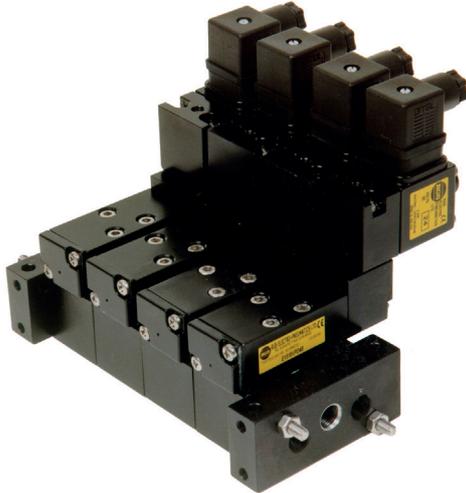


E15--V Series, 1/8", 5/2 Function Solenoid Valves

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



DESCRIPTION

5 port 2 position, Universal sub-base mount solenoid valve.

Valve is illustrated with safe area plug & socket coils.

Body material available in

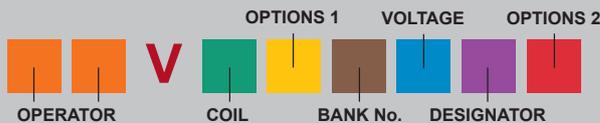
- Aluminium (standard)
- Stainless Steel
- Brass

Seal kit available - VSK100/USB

FEATURES

- Internal or external pilot air connection
- 1/4" BSP inlet and exhaust connections and 1/8" BSP outlets
- Various manual override options
- Mains air isolating screw
- Single coil spring return function or double coil stay put function
- Pilot exhaust dust caps fitted as standard
- Interchangeable CNOMO interface coil units, including hazardous area options

PRODUCT CODE: **E 1 5**



SEE BELOW FOR PRODUCT CODE DETAILS

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

Operator

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

Coil

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

Options 1

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

Bank No.

- | | |
|---|-------------------|
| 2 | Bank of two (2) |
| 3 | Bank of three (3) |
| 4 | Bank of four (4) |
| 5 | Bank of five (5) |
| 6 | Bank of six (6) |
| 7 | Bank of seven (7) |
| 8 | Bank of eight (8) |
| 9 | Bank of nine (9) |
| A | Bank of ten (10) |

Standard Voltage

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

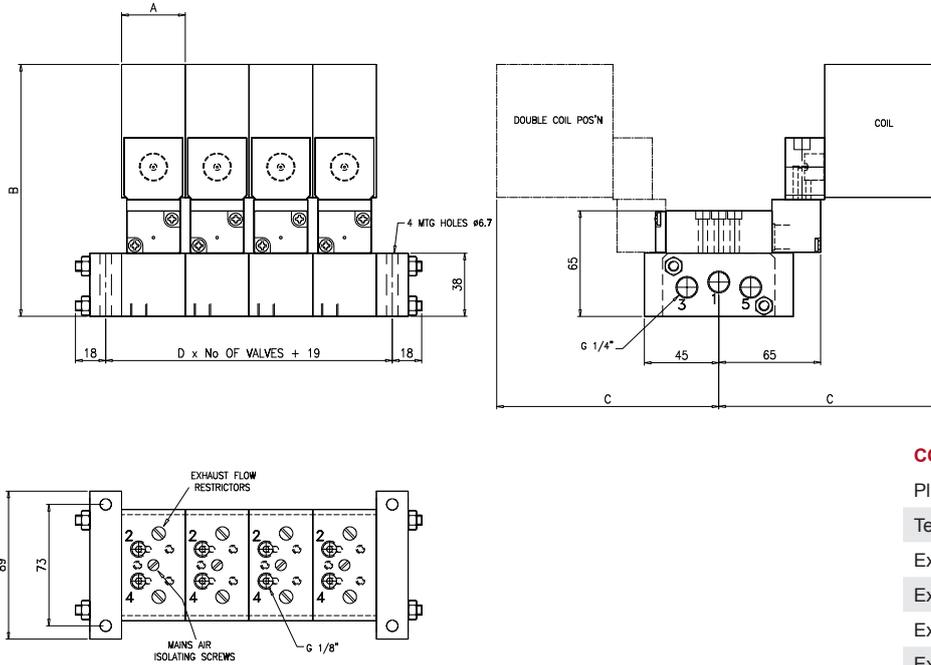
Designator

- | | |
|---|---------------------------|
| A | ATEX |
| C | IECEX ⁽²⁾ |
| E | Exme 0.5W |
| G | ATEX Exd IIB |
| H | Exm |
| J | Exme 2.4W |
| R | GOST CU TR ⁽³⁾ |
| X | NEPSI ⁽⁴⁾ |

Options 2

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

DIMENSIONS (mm)



COIL TYPE	A	B	C	D
Plug & Socket	35	147	115	38
Terminal Box	35	139	116	38
ExnA	35	139	116	38
Exd	52	154	132	53
Exia	35	139	123	38
Exm	35	147	110	38

MATERIAL SPECIFICATIONS

	STANDARD
Body	Black Anodised Aluminium (Dural)
Spool	Hard Anodised Aluminium PTFE Impregnated
Jet	Brass
Spacers	Glass Filled Acetal
Seals	Nitrile
Spring	Music Wire
Tie Rods & Nuts	Stainless Steel

VALVE SPECIFICATIONS

	STANDARD
Inlet Port Connection Size	1/4" BSP
Exhaust 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

Coil Type	Plug & Socket	Terminal Box	ExnA	Exd	Exm	Exia
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**