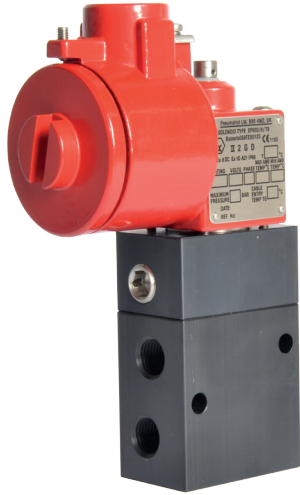


## V23 series, 1/4", 3/2 Function Poppet Valve

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



### DESCRIPTION

3 port 2 position, spring return Poppet solenoid valve.

Valve is illustrated with an Exd coil.

Body material available in

- Aluminium (standard)
- Stainless Steel
- Brass

Seal kit available – VSK126

### FEATURES

- Internal or external pilot air connection
- Interchangeable coils, including various hazardous area options
- Pilot exhaust dust caps fitted as standard

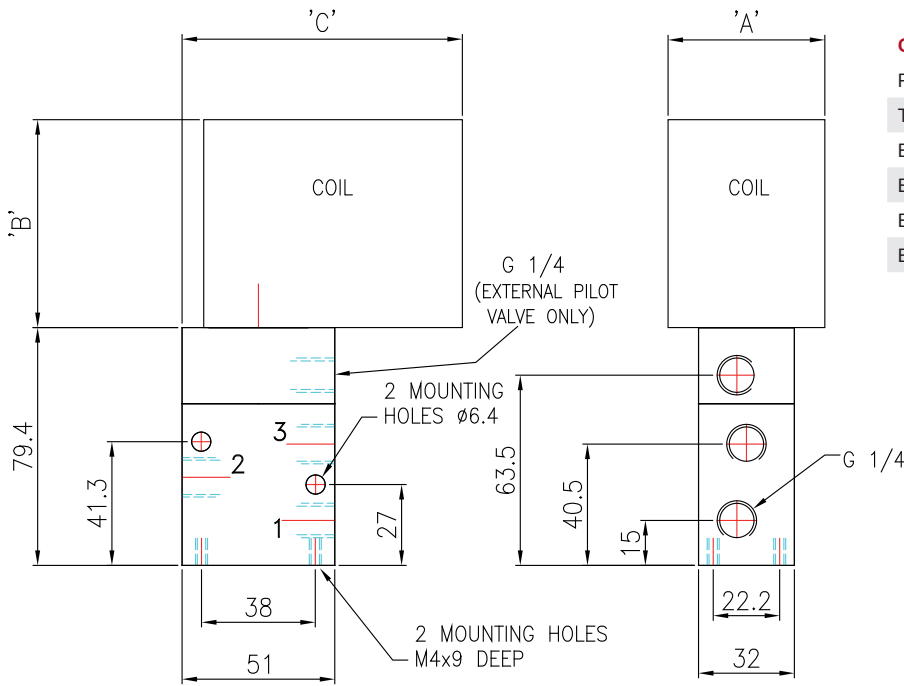
**PRODUCT CODE:** **V 2 3**     **0**     **0**      

OPERATOR
COIL
VOLTAGE
OPTIONS 2

**SEE BELOW FOR PRODUCT CODE DETAILS**  
 Any of the below options that are not required enter '0' in relevant box.

Operator	Coil	Options 1	Standard Voltage	Designator	Options 2
<p><span style="background-color: #f4a460; padding: 2px;">1</span> <span style="background-color: #f4a460; padding: 2px;">8</span> Spring return, internal pilot air feed</p> <p><span style="background-color: #f4a460; padding: 2px;">8</span> <span style="background-color: #f4a460; padding: 2px;">0</span> Spring return, external pilot air connection</p>	<p><span style="background-color: #4db6ac; padding: 2px;">A</span> Exia (BASEEFA)</p> <p><span style="background-color: #4db6ac; padding: 2px;">B</span> Terminal Box</p> <p><span style="background-color: #4db6ac; padding: 2px;">U</span> Exia (FM)</p> <p><span style="background-color: #4db6ac; padding: 2px;">D</span> Exd</p> <p><span style="background-color: #4db6ac; padding: 2px;">K</span> MC30 Plug &amp; Socket</p> <p><span style="background-color: #4db6ac; padding: 2px;">N</span> ExnA</p> <p><span style="background-color: #4db6ac; padding: 2px;">P</span> Plug &amp; Socket</p> <p><span style="background-color: #4db6ac; padding: 2px;">S</span> Exia (BASEEFA) Stainless Steel Housing</p> <p><span style="background-color: #4db6ac; padding: 2px;">0</span> No Coil Unit</p> <p><span style="background-color: #4db6ac; padding: 2px;">9</span> Exm</p>	<p><span style="background-color: #fff176; padding: 2px;">C</span> Lever manual override</p>	<p><span style="background-color: #2196f3; padding: 2px;">B</span> 24v DC</p> <p><span style="background-color: #2196f3; padding: 2px;">H</span> 24v DC Low Power <sup>(1)</sup></p> <p><span style="background-color: #2196f3; padding: 2px;">R</span> 24v AC (50/60 Hz)</p> <p><span style="background-color: #2196f3; padding: 2px;">T</span> 110v AC (50/60 Hz)</p> <p><span style="background-color: #2196f3; padding: 2px;">N</span> 220v AC (50/60 Hz)</p> <p><span style="background-color: #2196f3; padding: 2px;">U</span> 240v AC (50/60 Hz)</p> <p><b>* A comprehensive range of non-standard voltages available on request</b></p> <p><b>Note:</b></p> <p>(1) "H" option not available with Exia solenoids</p> <p>(2) IECEx only available with Exia and Exd Solenoids</p> <p>(3) GOST CU TR only available with Exd solenoids</p> <p>(4) NEPSI only available with Exia and Exd solenoids</p>	<p><span style="background-color: #9c27b0; padding: 2px;">A</span> ATEX</p> <p><span style="background-color: #9c27b0; padding: 2px;">C</span> IECEx <sup>(2)</sup></p> <p><span style="background-color: #9c27b0; padding: 2px;">E</span> Exme 0.5W</p> <p><span style="background-color: #9c27b0; padding: 2px;">G</span> ATEX Exd IIB</p> <p><span style="background-color: #9c27b0; padding: 2px;">H</span> Exm</p> <p><span style="background-color: #9c27b0; padding: 2px;">J</span> Exme 2.4W</p> <p><span style="background-color: #9c27b0; padding: 2px;">R</span> GOST CU TR <sup>(3)</sup></p> <p><span style="background-color: #9c27b0; padding: 2px;">X</span> NEPSI <sup>(4)</sup></p>	<p><span style="background-color: #e91e63; padding: 2px;">B</span> Valve body brass</p> <p><span style="background-color: #e91e63; padding: 2px;">C</span> Valve body brass and NPT ports</p> <p><span style="background-color: #e91e63; padding: 2px;">D</span> Valve body brass, NPT ports and 1/2" NPT electrical connection</p> <p><span style="background-color: #e91e63; padding: 2px;">E</span> 1/2" NPT electrical connection</p> <p><span style="background-color: #e91e63; padding: 2px;">L</span> Low temperature duty -40°C</p> <p><span style="background-color: #e91e63; padding: 2px;">M</span> NPT ports and 1/2" NPT electrical connection</p> <p><span style="background-color: #e91e63; padding: 2px;">N</span> NPT ports</p> <p><span style="background-color: #e91e63; padding: 2px;">P</span> Valve body stainless steel, NPT ports and 1/2" NPT electrical connection</p> <p><span style="background-color: #e91e63; padding: 2px;">R</span> Valve body stainless steel and NPT ports</p> <p><span style="background-color: #e91e63; padding: 2px;">S</span> Valve body stainless steel</p> <p><span style="background-color: #e91e63; padding: 2px;">X</span> Valve suitable for use with Oxygen</p>

**DIMENSIONS (mm)**



COIL TYPE	A	B	C
Plug & Socket	35	55	88
Terminal Box	35	55	73
ExnA	35	55	73
Exd	52	75	93
Exia	35	75	73
Exm	35	55	80

**MATERIAL SPECIFICATIONS**

	STANDARD
Body And End Caps	Black Anodised Aluminium (Dural)
Poppet Insert	Brass
Jet	Brass
Seals	Nitrile

**VALVE SPECIFICATIONS**

	STANDARD
Port Connection Size	1/4" 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	1.2
Flow Rate (at 6 bar with 1 bar pressure drop)	1246 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**