

## REFLEX SOLENOID VALVE



Pilot solenoid valve designed for direct mounting to pneumatic valve actuators with NAUMR standard interface. SAFE AREA USE. REFLEX solenoid valves have a change-over plate that allows the valve to be used on either double acting or spring return pneumatic actuators.

- Top face air connections
- 1/2" BSP Main and exhaust air connections
- Screwdriver operated manual override
- Integrated exhaust to spring feature in 3/2 version
- Cv = 1.0

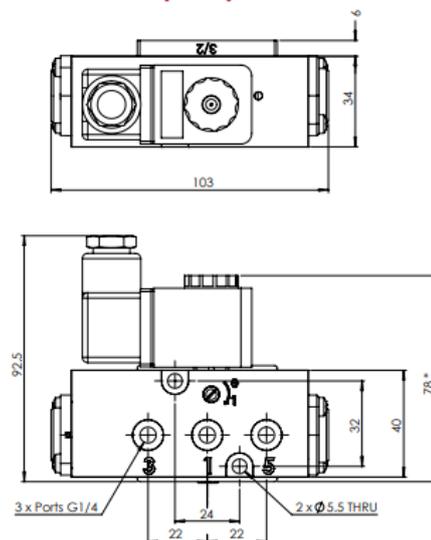


MATERIAL SPECIFICATIONS	
Body	Black anodised aluminium (Dural)
Spool	Anodised aluminium with PTFE
Seals	Nitrile
Spring	Music wire
Mounting screws	Stainless steel
Plate 3/2 5/2	30% GF Nylon 66
Gasket	Nitrile

VALVE SPECIFICATIONS	
Port size	1/4" BSP
Working pressure	3 - 10 bar
Cv factor	1.0
Flow (at 6b, 1b pressure drop)	1000 l/min
Max ambient temperature	+80C
Min working temperature	-20C

COIL SPECIFICATIONS	
Coil type	MC30 Plug & socket
Area	Safe area only
Ingress protection	IP65
Cable entry	PG9
Ambient temp	-20 to +80C
Magnetic wire class	H
Power Consumption	2.0 W (DC) Pull in 9VA Holding 5VA (AC)

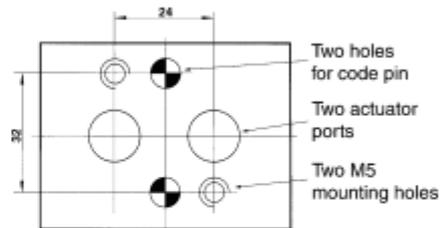
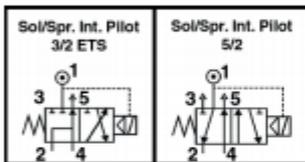
### DIMENSIONS (MM)



**Installation information - Product 'Reflex' valve**

**Installation**

The NAMUR interface allows the valve to be mounted directly on to pneumatically operated valve actuators meeting the NAMUR standard fixing dimensions, without the need for special piping or bracketing. A code pin (fitted to the actuator) ensures that the valve will always be mounted correctly.



**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 <math>40\mu</math> 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).

**Pressure Range**

Working Pressure 30 to 120 p.s.i. (2 to 8 bar)

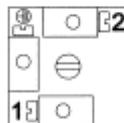
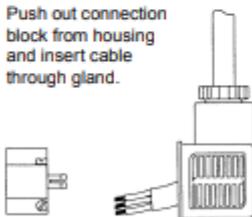
**Connections**

**Pneumatic Connections**

All valve ports are tapped for G1/4 male connectors. The mains air connection is clearly marked with a number 1. The two exhaust ports are marked with numbers 3 and 5. (See pneumatic symbols at top of page.)

**Electrical Connections**

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



Electrical connections are made to terminals 1, 2 and earth if necessary.

Top view of connection block.