

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

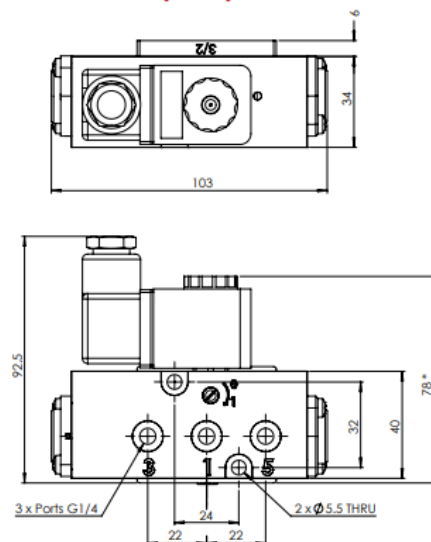


MATERIAL SPECIFICATIONS	
Body	Black anodised aluminium (Dural)
Spool	Anodised aluminium with PTFE
Seals	Nitrile
Spring	Music wire
Mounting screws	Stainless steel
Plate 3/2 5/2	30% GF Nylon 66
Gasket	Nitrile

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)

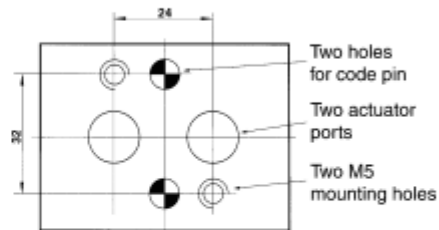
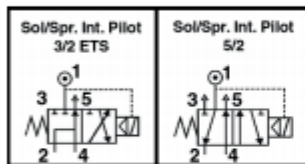
DIMENSIONS (MM)



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 40μ 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)

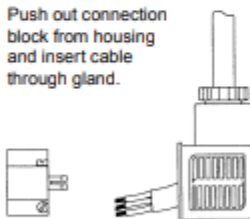
Connections

Pneumatic Connections

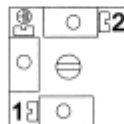
All valve ports are tapped for G1/4 male connectors. The mains air connection is clearly marked with a number 1. The two exhaust ports are marked with numbers 3 and 5. (See pneumatic symbols at top of page.)

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.