TYPE T23 1/4" PORTED, 3/2 SOLENOID VALVE WITH INTEGRAL SPEED CONTROL & ETS

MADE IN BRITAIN

Pilot solenoid valve designed for direct mounting to pneumatic valve actuators with NAUMR standard interface. HAZARDOUS AREA USE. REFLEX solenoid valves have a change-over facility 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 1/8" exhaust air connections (NPT option)
- Single pilot spring return function
- Integrated exhaust to spring feature
- Combined integral exhaust speed control

Valve is illustrated with an Exia coil.

MATERIAL SPECIFICATIONS (STANDARD)	
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
Spacer	Glass filled acetal

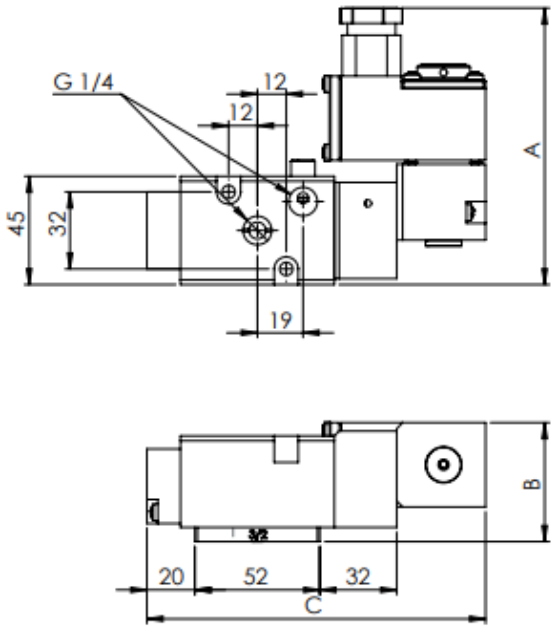
VALVE SPECIFICATIONS	
Port size	1/4" BSP
Pilot port size	1/8" BSP
Working pressure (Port & pilot)	3 - 10 bar
Cv factor	01.2
Flow (at 6b, 1b pressure drop)	1246 l/min
Max ambient temperature	+80C
Min working temperature	-20C

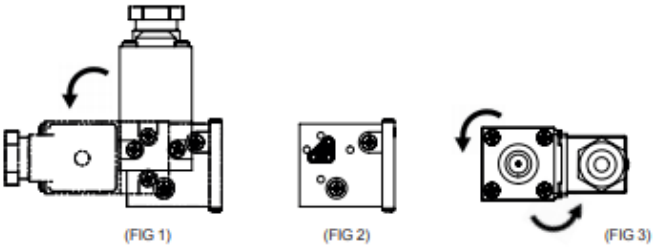
OPTIONS	
Body	Aluminium (Standard), Stainless Steel, Brass
CNOMO Coil	Terminal box, Exia, Exd, Exm
Manual override	Screw driver (standard), push button, lever, none.
Voltages	24VDC (low power), 24VDC, 24VAC, 110VAC, 220VAC, 240VAC
Operator	Single or double coils
Hazardous approvals	ATEX, IECEx, GOST CU TR, NEPSI
Origin	Made in England

COIL ORIENTATION

The solenoid pilot can be mounted in two possible positions by rotating the solenoid base through 90° (FIG 1). This is achieved by releasing the two M4 pozi-drive screws which secure the solenoid pilot to the valve body. When changing the solenoid pilot position care should be taken to ensure the triangular gasket seal is in place. (FIG 2)

The coil itself can be rotated in 90° steps by releasing the four securing screws. (FIG 3) When rotating the coil care should be taken to ensure the core assembly (core, spring, seal and washer) remains intact and alined correctly. This is easily achieved by only lifting the coil the small amount required to clear the screws enabling the coil to be rotated.




(FIG 1) (FIG 2) (FIG 3)

DIMENSIONS (mm)

COIL TYPE	A	B	C
Plug & Socket	100	50	141
MC30 Coil	95	48	136
Terminal Box	109	50	141
ExnA	109	50	141
Exd	121	58	190
Exia	115	50	141
Exm	86	50	141

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