NAMUR Mounted, Type C45, 'P' Series Solenoid Valve

Conversion facility:

The valve is fitted with a changeover plate that allows the valve to be converted from 3/2 to 5/2 function quickly and easily.

Please Refer To Engineering Data Sheet ADS-190-1130

Material specification	Standard				
Body and end caps	Black anodised aluminium (Dural)				
Spool	Hard anodised aluminium PTFE impregnated				
Jet	Brass				
Spacers	Glass filled Acetal				
Seals	Nitrile				
Spring	Stainless steel				
Mounting screws	Stainless steel				
Change over plate	Nylon 66 30% glass filled				
Gasket	Nitrile				

Valve specification	Standard			
Port connection size	1 _{/2} " BSP			
Working pressure internal pilot version	3 to 10 bar			
Working pressure external pilot version	0 to 10 bar			
Minimum external pilot pressure	3 bar			
Cv factor	3.5			
Flow rate (at 6 bar with 1 bar pressure drop)	3534 l/min			
Maximum ambient temperature	+80°C			
Minimum working temperature	-20°C			

Non-standard features and options

There are non-standard options available in addition to those listed within this datasheet for:

Specification

- e.g. -40°C min. temp.

Options

- e.g. NPT or weatherproofing

<u>Voltages</u>

- e.g. special voltages or diodes

Please refer to section 9 in this catalogue or Pneumatrol Office for details of these alternatives.

Std. Operator Spec. (See sect. 7 for full details)	Plug & socket	Terminal box	EExnA	EExd	EExm	EExme	Piezo	EExia
ATEX area category	Safe	Safe	Cat 3	Cat 2 & 3	Cat 2 & 3	Cat 2 & 3	Cat 1, 2 & 3	Cat 1, 2 & 3
Protection concept	N/A	N/A	ExN II T4/T6	EExd IIC T3-T6	EExm IIC T5	EExme IIC T5	EExia IIC T6	EExia IIC T6
Ingress protection	IP65	IP65 / 66	IP65 / 66	IP66	IP65	IP65	IP65	IP65 / 66
Cable entry	Pg 9	M20 x 1.5	M20 x 1.5	M20 x 1.5	Flying leads	M20 x 1.5	Pg 9	M20 x 1.5
Std. ambient temp. (subject to T class limit)	-20 to +80°C	-20 to +80°C	-20 to +55°C	-20 to +80°C	-20 to +65°C	-20 to +65°C	-10 to +60°C	-20 to +65°C
Wire class	Н	Н	Н	Н	Н	Н	N/A	Н

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NAMUR Mounted, Type C45,'P' Series Solenoid Valve

Description

Solenoid valve designed for direct mounting onto ¹/₄ turn pneumatically operated valve actuators meeting 'NAMUR' standard fixing dimensions.

Features

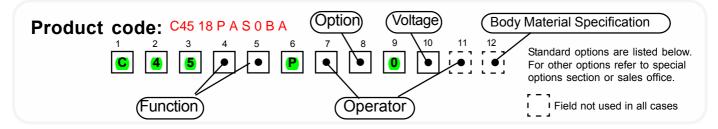
- Interchangeable CNOMO interface coil units including various hazardous area options.
- Side face air connection.
- 1/2" BSP mains air connection and 1/2" BSP exhaust ports.
- Integrated exhaust to spring (ETS) feature in 3/2 position.
- Single operator spring return function or double operator stay put function
- Pilot exhaust dust caps fitted as standard.
- Valve body materials: aluminium (std.), 316 stainless steel, brass

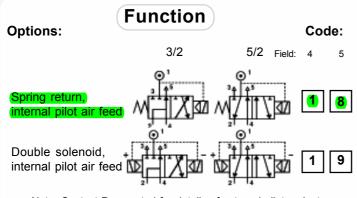
Conversion facility

• Built in 3/2 (ETS) to 5/2 function conversion facility for spring return and double acting actuators respectively. (see reverse)



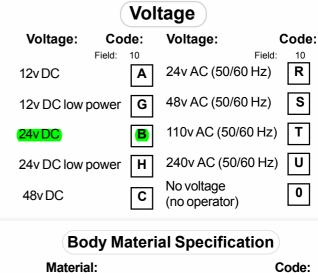
Valve is illustrated with Terminal Box EExd approved operator

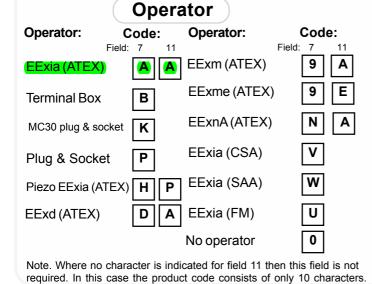




Note. Contact Pneumatrol for details of external pilot variants.

Options: Code: Field: 8 Screwdriver override (standard) Lever manual override Push button manual override No option required Voltage





lote. Field 12 is only used in conjunction with field 11
When field 11 is not used contact Pneumatrol for coding

Aluminium

Brass

Stainless Steel

field: (12)

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