

FIVE WAY PILOT OPERATED SOLENOID VALVE

D13.D / D15.D E D17.D / D19.D

GENERAL DESCRIPTION / APPLICATIONS / DIMENSIONS (millimeters)



Optional Manual Operator

Five way solenoid valve, pilot operated, two and three positions, monostabile

Suitable for gaseous media. Model for liquid media available upon request₍₄₎:

Stainless steel internal parts. Stainless steel spring.

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ELECTRICAL SPECIFICATIONS

Light alloy explosion-proof "Ex-d" (EN60079-1) solenoid housing. Electrical and mechanical parts certified according to 2014/34/UE ("ATEX") directive, suitable to control the flow of inert and/or flammable gases or liquids. Internaland external anti-twist ground connecting screws. Inside terminal board suitable for cable up to 2.5 mm².

1/2" Gk UNI-6125 (standard) cable entry threaded:

1/2" NPT, ISO M20x1.5 (available upon request)

IP-67 protection class:

Ex-d II 1G/2GDc (IIB o IIC) Ex protection class: T6 orT5 (t.amb -20 ÷ +40 °C) Temperature class:

T5 or T4 (t.amb -20 ÷ +60 °C) upon request.

T5 or T4 (t.amb -60 ÷ +60 °C) upon request(1)

Coil insulation class: F (155°C) - H (180°C) upon request.

Winding wire class: H (180°C). Continuous (S.I.) 100% ED Duty:

Alternate current 11VA (inrush 28VA). Power consumption:

Direct current 11W.

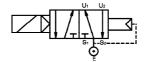
Tolleranza tensione: ± 10% (standard) others available upon request

Voltage tolerance: ± 10% Insulation: >1000 MOhm

Dielectrical Strength: >2000 V/1

Standard voltages 12, 24, 48, 110, 115, 125, 220, 240 Volt DC=₍₂₎ o AC~(50/60Hz): other voltages available upon request.

OPERATION





D13.D - Single solenoid Monostable

Coil de-energized:

from E to U1. from U2 to S2 from E to U2. Coil energized:

from U1 to S1

D15.D - Double solenoid Bistable

Coil 1 energized: from F to U1 from U2 to S2. Coil 2 energized: from E to U2

from U1 to S1 Coils de-energized: Latched on the last position.

D17.D - Double solenoid Bistable, closed centers.

Coil 1 energized:

from E to U1.

Coil 2 energized:

from U2 to S2. from E to U2

from U1 to S1 E, U1, U2, S1, S2 closed Coils de-energized:

D19.D - Double solenoid Bistable, open centers.

Coil 1 energized: from F to L11

from U2 to S2.

Coil 2 energized: from E to U2

from U1 to S1 Coils de-energized: from U1 to S1

from U2 to S2

SPECIFICATIONS AND AVAILABLE OPTIONS

MODEL			ORIFICE	PRESSURES IN BAR ₍₃₎				Flow factor kv	WEIGHT Kg.
			DIAMETER	BODY MIN./MAX. OPERATING DIFFERENTIAL PRESSURE					
a b	CC	l e	mm	RATING	MIN.	MAX. AC~	MAX. DC=	(liters/min.')	rtg.
D 1 3 1 1			11	10	3	10	10	30	1.8
D 1 5 1 1			11	10	3	10	10	30	2.2
D 1 7 1 1			11	10	3	10	10	30	2.2
D 1 9 1 1			11	10	3	10	10	30	2.2

suffix (ontions available upon request): (1) "// T" (low t amb certificate) (2) "//" (spike suppressor) (3) "/AP" (High pressure version)- (4) "/H2O" (for water)

	Suinx (options available uportrequest). What is the suppressor, what (high pressure version) white the water).											
	a Body material	b Port size	© Seals material	d Protection class	e Optional features							
W1-ENG 2016	T Brass. N Nickel-plated brass. Stainless steel.	F 1/2" GAS G 1/2" NPT	O Buna N T FPM HNBR	B Ex-d IIB C Ex-d IIC	X Stable Manual operator.							

Le caratteristiche possono subire variazioni senza preavviso / Characteristics may change without notice