

GENERAL DESCRIPTION / APPLICATIONS



Three way direct acting solenoid valve with spring return.

Suitable for gaseous and liquid media compatible with the (body/seals) material used, vacuum.

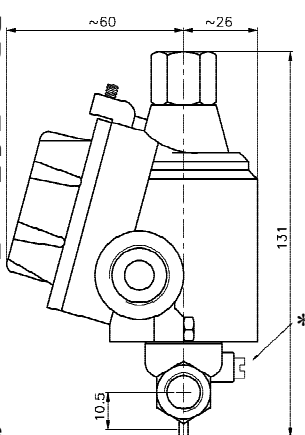
Forged brass, nickel-plated brass or stainless steel body.

Stainless steel internal parts.

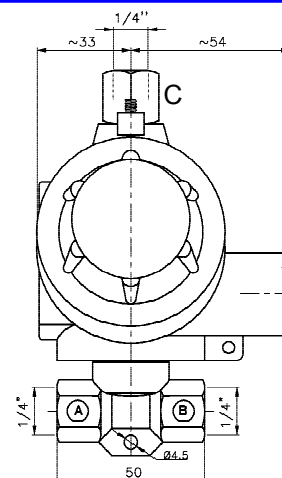
Stainless steel springs.

360° degrees orientable solenoid.

Mountable in any position.



* Optional Manual Operator



ELECTRICAL INFORMATION

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. Internal and external anti-twist ground connecting screws. Inside terminal board suitable for cable up to 2,5 mm.

cable entry threaded: 1/2" Gk UNI-6125 (standard)
1/2" NPT, ISO M20x1.5 (available upon request)

protection class: IP-67

Ex protection class: Ex-d II 1G/2GDC (IIB o IIC)

Temperature class: T6 or T5 (t.amb -20 ÷ +40 °C)

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

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

F (155°C) - H (180°C) upon request.

H (180°C).

Coil insulation class: Continuous (S.I.) 100% ED

Winding wire class: Alternate current 11VA (inrush 28VA).

Duty: Direct current 11W.

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

Voltage tolerance: ± 10%

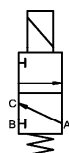
Insulation: >1000 MOhm

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



C03 - Normally closed.

In:

Out:

Vent:

Coil de-energized:

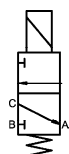
Coil energized:

B

A

C

Input B closed
from B to vent C
from A to B
vent C closed



C08 - Normally open.

In:

Out:

Vent:

Coil de-energized:

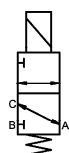
Coil energized:

C

A

B

from C to A.
vent B closed.
from A to vent B
input C closed



C13 - Universal

In:

Out:

Vent:

Coil de-energized:

Coil energized:

A, B or C

A, B or C

A, B or C

port B closed.
port A and C open.
port C closed
port A and B open.

SPECIFICATIONS AND AVAILABLE OPTIONS

MODEL		ORIFICE DIAMETER mm					PRESSURES IN BAR ⁽³⁾								Flow factor kv (liters/min.')	WEIGHT Kg.
							MIN./MAX. OPERATING DIFFERENTIAL PRESSURE									
							MIN.		MAX. NORM. CLOSED (C03) AC~ DC=		MAX. NORM. OPEN (C08) AC~ DC=		MAX. UNIVERSAL (C13) AC~ DC=			
Replace with: C08 for N.O. model C13 for Univ.model ↓	a	b	c	d	e											
	C 0 3	0 8				0,8 / 0,8	0	24	24	24	24			0,2	0,8	
	C 0 3	1 8				1,8 / 1,8	0	10	10	10	10	6	6	1,2	0,8	
	C 0 3	2 5				2,5 / 2,5	0	8	8	7	7	2	2	1,6	0,8	
C 0 3	3 2				3,2 / 2,5	0	4	4	4	4	1,4	1,4	1,8	0,8		

suffix (options available upon request): ⁽¹⁾ "LT" (low t.amb. certificate), ⁽²⁾ "V" spike suppressor⁽²⁾, ⁽³⁾ "AP" (High pressure version)- ⁽⁴⁾ "V" spike suppressor.

a	Body material	b	Port size	c	Seals	d	Protection class	e	Optional feature
T	Brass.	C	1/4" GAS	0	Buna N	B	Ex-d IIB	X	Stable manual operator.
N	Nickel-plated brass.	D	1/4" NPT	1	FPM	C	Ex-d IIC		
I	Stainless steel.			6	EPDM				