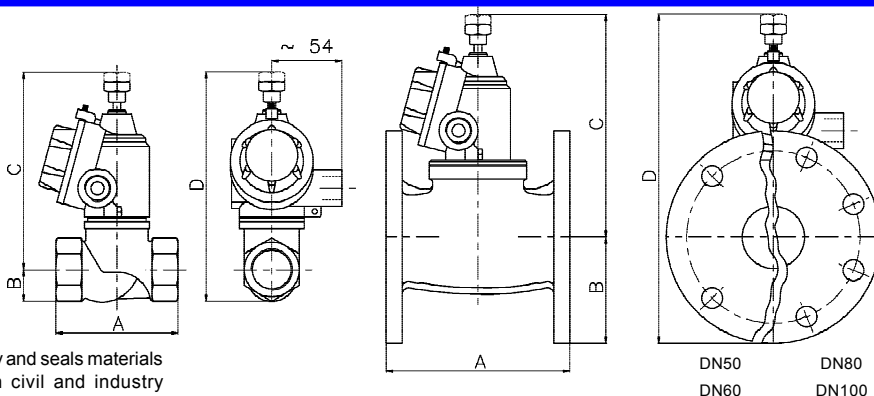
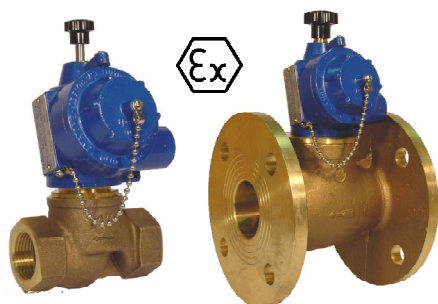


GENERAL DESCRIPTION / APPLICATIONS



Two way bronze body manual reset solenoid valve.
Suitable for gaseous and liquid media compatible with the body and seals materials
Particularly indicated for use with gas leakage sensor in civil and industry application. Stainless steel springs. 360° degrees orientable solenoid.

Mountable in any position.

ELECTRICAL INFORMATIONS

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 mm².

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

Coil insulation class: F (155°C) - H (180°C) upon request.
Winding wire class: H (180°C).
Duty: Continuous (S.I.) 100% ED
Power consumption: Alternate current* 11W (inrush 28VA).
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= o AC~(50/60Hz): other voltages available upon request.

* Alternate current operation (Vac~) is performed using a direct current coil fitted with an internal rectifier (Nadi coil type B6/R)

OPERATION

Two way Manual reset solenoid valves are safety lock devices which are manually latched in the "open" position and going back to the "closed" position electrically.

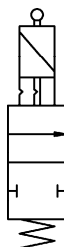
Manual reset solenoid valves must be exclusively hand operated to go from the "closed" position to the "open" position.

"E" type operation

Valve shutter is manually latched in the "open" position with solenoid de-energized.
After solenoid is energized shutter unlatch turning valve to the "closed" position.

"D" type operation

Valve shutter is manually latched in the "open" position with solenoid energized.
When solenoid is de-energized shutter unlatch and valve go to the "closed" position.



SPECIFICATIONS AND DIMENSIONS

MODEL (Thread connections)					ORIFICE DIAMETER mm	PRESSURE IN BAR			OPER.	Flow factor kv (liters/min.')	WEIGHT Kg.	DIMENSION (millimeters)			
						NOMINAL MAX.	DIFFERENTIAL					A	B	C	D
a	b	c	d	MIN.			MAX.								
E 5 0	2 0	H 0			20	16	0	5	D	100	1,2	80	20	124	144
E 5 2	2 0	H 0			20	16	0	5	E	100	1,2	80	20	140	160
E 5 1	2 5	L 0			25	16	0	5	D	160	1,4	94	25	130	155
E 5 3	2 5	L 0			25	16	0	5	E	160	1,5	94	25	145	170
E 5 5	3 2	N 0			32	16	0	5	D	250	1,8	109	31	159	190
E 5 6	3 8	O 0			38	16	0	5	D	360	2,1	119	34	166	201
E 5 7	5 0	P 0			50	16	0	5	D	645	2,9	140	41	176	217
E 6 0	6 2	Q 0			62	16	0	5	D	1000	4,7	170	51	204	255
E 5 8	7 5	R 0			75	16	0	5	D	1450	6,7	188	61	205	266
E 0 9	9 8	S 0			100	16	0	1.5		2400	13,3	209	72	248	320
Flanged connections					FLANGE UNI-2223 PN16										
E 5 7	5 0	Z 0			DN50	16	0	5	D	645	6,3	142	83	180	263
E 6 0	6 2	Z 0			DN60	16	0	5	D	1000	9,3	158	93	202	295
E 5 8	7 5	Z 0			DN80	16	0	5	D	1450	11,3	189	100	208	308
E 0 9	9 8	Z 0			DN100	16	0	1.5	D	2400	22.3	246	110	245	355

a	Body material	b	Port size	c	Seals material	d	Protection class
T	Bronze	H	3/4" GAS	P	2" GAS	B	Ex-d IIB
N	Nickel-plated bronze	L	1" GAS	Q	2 1/2" GAS	C	Ex-d IIC
		N	1 1/4" GAS	R	3" GAS		
		O	1 1/2" GAS	S	4" GAS		

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