



DESCRIPTION

The functioning principle of the N.O. is very simple and extremely safe. Under tension the coil releases and springs up the closing device. The reser is manual to check the causes for gas detection. During normal conditions there is no electric absorption, no wear tear. The N.O. version can be equipped with a manual closing push button, which can be used to replace a manual closing tap. Closing time <1 sec.

TECHNICAL SPECIFICATIONS

- ▶ **Body material:** Aluminium
- ▶ **Protection class:** IP 65
- ▶ **Power supply voltage tolerance:** -15% +10%
- ▶ **Ambient temperature:** -20°C + 60°C
- ▶ **Max superficial temperature for:**  
MD21-MD22: 85°C  
MD23: 90°C  
MD24: 85°C + 90°C
- ▶ **Approval certificate IMQ CE-0051**
- ▶ **EC Certified according EN 161**
- ▶ **According to Directive 2014/34/EU Atex**
- ▶ **According to Pressure Equipment Directive 97/23/CEW** for P.max=500 bar or 1 bar (Directive PED) for MD23 - MD24 (see product label)
- ▶ **According to Directive 2004/30/EU** (Electromagnetic Compatibility)
- ▶ **According to Directive 2014/35/EU** (Low Voltage)
- ▶ **According to Directive 2009/142/EC**

AVAILABLE ON REQUEST

- ▶ NPT version
- ▶ Flanged connections version
- ▶ Other options like position indicator switches on the safety shut off.

REPAIR KIT

- ▶ These articles cannot be supplied as spare part.

Note

In the column "Power" (see below table), when there are two values, these refer to:

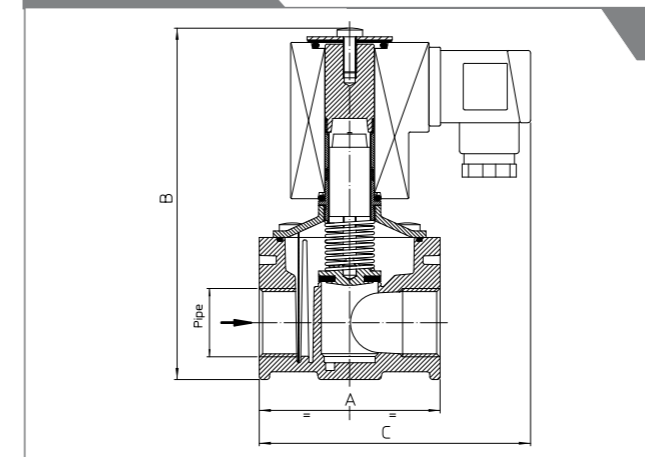
- higher value to the inrush power
- lower value less than the power of maintaining



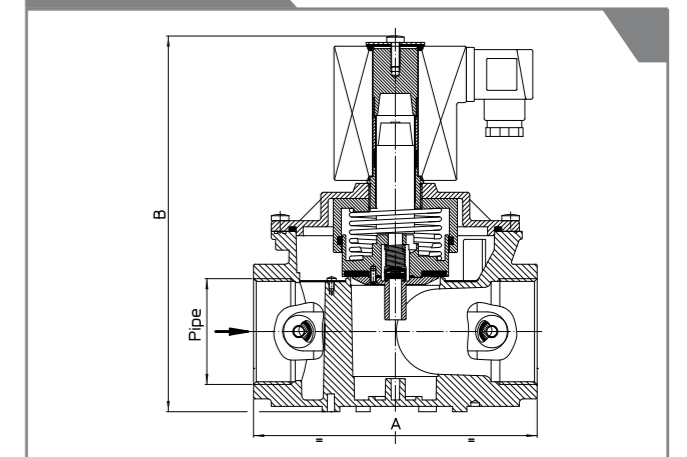
MD21	G04	C4	B	015	
Model valve	G04= G 1/2	C4= N.O.	B= NBR	015	Orifice 10 <sup>-1</sup> mm

Port connections	Ø [mm]	Max. working pressure [mbar]	Gas code	Coil type	Voltage code	Connector options Std included	Dimensions [mm]			Drawing reference
							A	B	C	
<i>Normally closed in aluminium</i>										
G 1/2	15	200	MD21G04C4B015	C	(See table)	A - C - D	70	136	103	1
G 3/4	20	200	MD21G05C4B020	C		A - C - D	70	136	103	1
G 1	25	200	MD21G06C4B025	C*		E - F - G	70	136	103	1
G 1 1/4	32	200	MD21G07C4B032	D		E - F - G	160	187	-	2
G 1 1/2	40	200	MD21G08C4B040	D		E - F - G	160	187	-	2
G 2	50	200	MD21G04C4B050	D		E - F - G	160	213	-	2
<i>Normally closed in aluminium</i>										
G 1/2	15	360	MD22G04C4B015	C*	(See table)	E - F - G	70	136	105	1
G 3/4	20	360	MD22G05C4B020	C*		E - F - G	70	136	105	1
G 1	25	360	MD22G06C4B025	C**		E - F - G	70	136	105	1
G 1 1/4	32	360	MD22G07C4B032	D		E - F - G	160	213	-	2
G 1 1/2	40	360	MD22G08C4B040	D		E - F - G	160	213	-	2
G 2	50	360	MD22G09C4B050	D		E - F - G	160	213	-	2
<i>Normally closed in aluminium</i>										
G 1 1/4	32	500	MD23G07C4B032	D	(See table)	E - F - G	160	213	-	2
G 1 1/2	40	500	MD23G08C4B040	D		E - F - G	160	213	-	2
G 2	50	500	MD23G09C4B050	D		E - F - G	160	213	-	2
<i>Normally closed in aluminium</i>										
G 1/2	15	1000	MD24G04C4B015	C	(See table)	A - C - D	70	135	105	3
G 3/4	20	1000	MD24G05C4B020	C		A - C - D	70	135	105	3
G 1	25	1000	MD24G06C4B025	C		A - C - D	70	135	105	3
G 1 1/4	32	1000	MD24G07C4B032	D		E - F - G	160	213	-	2
G 1 1/2	40	1000	MD24G08C4B040	D		E - F - G	160	213	-	2
G 2	50	1000	MD24G09C4B050	D		E - F - G	160	213	-	2

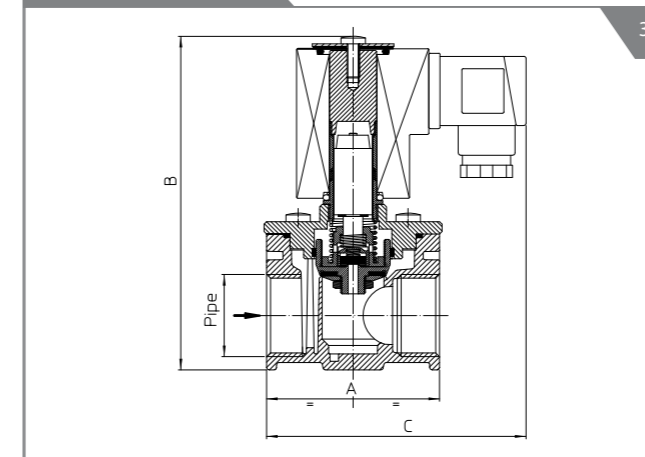
Drawing Reference



Drawing Reference



Drawing Reference



Coil type	Voltage [V]	Frequency [DC/Hz]	Power [W/WA]	Connector options
C	04 12	DC	16	A
	14 12 ~	50/60	12	C
	24 24	DC	17	A
	34 24 ~	50/60	14	C
	64 110 ~	50/60	17	D
C*	75 230 ~	50/60	18	D
	05 12	DC	23/6	E
	15 12 ~	50/60	20/6	F
	25 24	DC	27/7	E
	35 24 ~	50/60	24/7	F
	65 110 ~	50/60	29/9	G
C**	76 230 ~	50/60	30/9	G
	06 12	DC	56/16	E
	16 12 ~	50/60	56/16	F
	26 24	DC	56/16	E
	36 24 ~	50/60	56/16	F
D	66 110 ~	50/60	63/20	G
	77 230 ~	50/60	54/18	G
	27 24	DC	68/18	E
	37 24 ~	50/60	68/18	F
	67 110 ~	50/60	77/23	G
	78 230 ~	50/60	89/25	G

Connector options	
A	Standard
C	Rectified (12V 50/60 Hz - 24V 50/60 Hz)
D	Rectified (110V 50/60Hz - 230V 50/60Hz)
E	Normal + energy saving (12V DC - 24V DC)
F	Rectified + energy saving (12V 50/60Hz - 24V 50/60Hz)
G	Rectified + energy saving (230V 50/60Hz)

WARNING

For the solenoid valves installation and maintenance is recommended to consult the instruction sheet supplied with each product.

