

MD1 SERIES

Solenoid valves for gas appliances

MD1 are 2-way Normally Closed valves with manual reset specifically designed for gas appliances.



TECHNICAL DATA

PORT CONNECTION	G1/2 ÷ G2
SEALING MATERIALS	NBR
FLUIDS	non-aggressive gases of family I, II, III (dry gases)
RESPONSE TIME	closing time < 1s
FILTER ELEMENT	1 mm wire mesh
PROTECTION DEGREE	IP65 EN 60529 (DIN 40050) with plug connector
VOLTAGE TOLERANCE	-15% +10%
COIL HOUSING	CLASS F (155°C)
AMBIENT TEMPERATURE	-15°C +60°C
MAX SURFACE TEMPERATURE	+80°C

MATERIALS

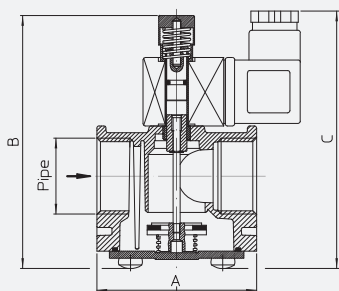
BODY	Brass or Aluminum
SEALING	NBR

- **CE**
- 2014/30/EU (EMC)
- 2014/35/EU (LVD)
- 2016/426 (GAR)
- Approval certificate IMQ CE-0051
- EC certified according to EN 161+A3:2013

▪ Please check the compatibility of the fluids in contact with the materials at RFQ stage.

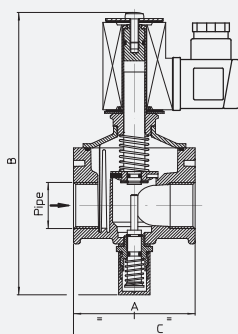
Process Valves & Components ■ Solenoid valves for gas appliances ■ **MD1 SERIES**

DRAWING 1



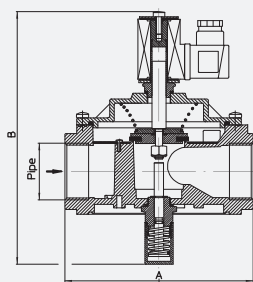
PIPE	DIMENSIONS [mm]		
	A	B	C
G1/2	66	133	92
G3/4	66	133	92
G1	82	142	100

DRAWING 2



PIPE	DIMENSIONS [mm]		
	A	B	C
G1/2	70	163	94
G3/4	70	163	94
G1	70	163	94

DRAWING 3



PIPE	DIMENSIONS [mm]	
	A	B
G1 1/4	160	196
G1 1/2	160	196
G2	160	220

2

2/2 NC WITH MANUAL RESET

PIPE	ORIFICE SIZE	COIL TYPE	CONNECTOR TYPE	MAX WORKING PRESSURE [mbar]	CODE		DRAWING REFERENCE
	Ø [mm]				BRASS	ALUMINUM	
G1/2	15	B	A - C - D	500	MD11G04C1B015	-	1
					-	MD12G04C1B015	2
G3/4	20	B	A - C - D	500	MD11G05C1B020	-	1
					-	MD12G05C1B020	2
G1	25	B	A - C - D	500	MD11G06C1B025	-	1
				500	-	MD12G06C1B025	2
G1/4	32	B	A - C - D	500	-	MD13G07C1B032	3
G1/2	40	B	A - C - D	500	-	MD13G08C1B040	3
G2	50	B	A - C - D	500	-	MD13G09C1B050	3

I MD1 II 1 III G IV 04 V C VI 1 VII B VIII 015 IX - X B 02 XI A

CODIFICATION

I. SERIES
MD1 - 2/2 NC with manual reset

II. BODY MATERIAL
1 - brass
2 - aluminum (≤ 1")
3 - aluminum (> 1")

III. THREADED CONNECTION TYPE
G - gas

IV. PIPE SIZE
04 - 1/2"
05 - 3/4"
06 - 1"
07 - 1 1/4"
08 - 1 1/2"
09 - 2"

V. VALVE TYPE
C - 2/2 NC

VI. SECURITY KEY
1 - without

VII. SEALING MATERIAL
B - NBR

VIII. ORIFICE DIAMETER
015 - 15 mm
020 - 20 mm
025 - 25 mm
032 - 32 mm
040 - 40 mm
050 - 50 mm

IX. COIL TYPE	X. VOLTAGE		XI. CONNECTOR OPTION	POWER [W/VA]
B	02	12 V DC	A	8
	12	12 V - 50/60 Hz	C	8
	22	24 V DC	A	8
	32	24 V - 50/60 Hz	C	8
	62	110 V - 50/60 Hz	D	8
	73	230 V - 50/60 Hz	D	9

XI. CONNECTOR OPTION
A - Standard
C - Rectified (12 V-50/60 Hz - 24 V-50/60 Hz)
D - Rectified (110 V-50/60 Hz - 230 V-50/60 Hz)