

AUTOMATIC VALVES
FAST OPENING/CLOSING FROM 1/2" to DN100
360mbar/6bar

English



AV015FO-FR-6B-110Vac



- ① Automatic Valves ③ FO=Fast Opening ⑤ ____=360mbar
 -6B =6bar
- ② Dimension: ④ mod: ⑥ Power supply:
 015 =1/2" ____=without Flow Regulation ____ = 230Vac
 020 =3/4" -FR=with Flow Regulation -110Vac
 025= 1" -12Vac
 032= 1 1/4" -12Vdc
 040= 1 1/2" -24Vac
 050= 2" -24Vdc
 D65=DN65
 D80=DN80
 D100=DN100

GENERAL DESCRIPTION

These solenoid valves are designed to be used with gas detection systems.

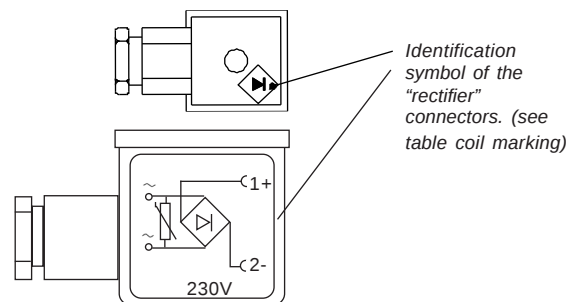
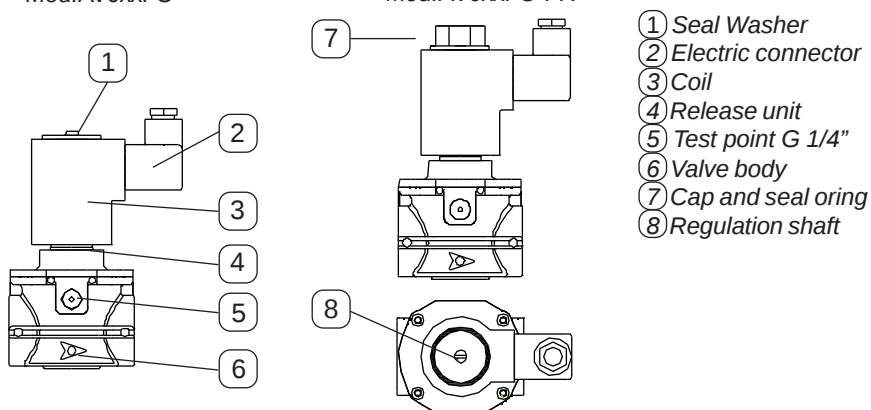
All solenoid valves are automatic reset and normally closed.

These Gas solenoid valves will open only when the correct voltage is applied to the coil. When no power is present the valves will automatically reset to the closed position and will not reopen until the power to the coil is resumed.

Model with code FR have flow regulation.

Mod.AV0xxFO

Mod.AV0xxFO-FR



INSTALLATION VALVES:

- 1_ The gas supply must be shut off before installation.
- 2_ They must be installed with the arrow facing towards the user appliance.
- 3_ During installation take care not to allow debris or scraps of metal to enter the device.
- 4_ Check the pressure in the line is not more then max pressure of the valve.
- 5_ Check the voltage is the same as the coil voltage.
- 6_ Always check that the system is gas-tight after installation.



Installation and maintenance must be carried out only by qualified technicians.

ADJUSTMENT OF GAS FLOW:

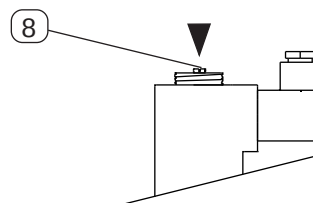
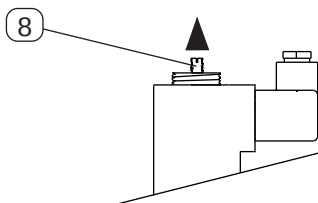
With the model FR is possible to set the gas flow.

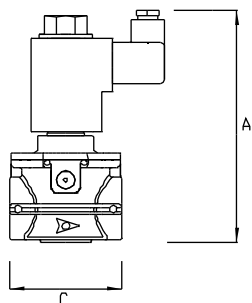
The flow setting is done by turning the "Regulation shaft" ⑧ .

- Remove the "**Plastic cap**" ⑦ .

- To increase the flow **unscrew** the "Regualtion shaft":

- To decrease the flow **screw** the "Regualtion shaft":





DIMENSIONS (mm):

Ø	A	B	C
DN15 - 1/2"	148	68.0	72
DN20 - 3/4"	148	68.0	72
DN25 - 1"	148	68.0	72
DN32 - 1 1/4"	240	154.5	164
DN40 - 1 1/2"	240	154.5	164
DN50 - 2"	253	154.5	164
DN65	350	185	247
DN80	350	200	247
DN100	385	220	265

Overall measurements (mm)

Threaded connections: from 1/2" to 2" as ISO 228/1. Alluminium body

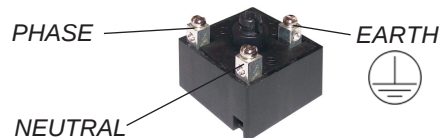
Flanging connections: from DN65 to DN100 as UNI 2229. Alluminium body.

from 360mbar to 6bar

COIL MARKING

	230Vac	110Vac
N.C.	230VRAC 17W	110VRAC 17.5W
B	: a particular (230Vca) connector must be used with these coils which acts as a "delayer" and "rectifier" included in the packaging: Cod. 2.180.2429	

ELECTRICAL CONNECTION



INSTALLATION AND POSITION

Please carefully read all instruction before use.

A suitable Gas filter (according to UNI EN161) must be installed upstream of this device and all rules and laws in force for Gas installations must be adhered to.

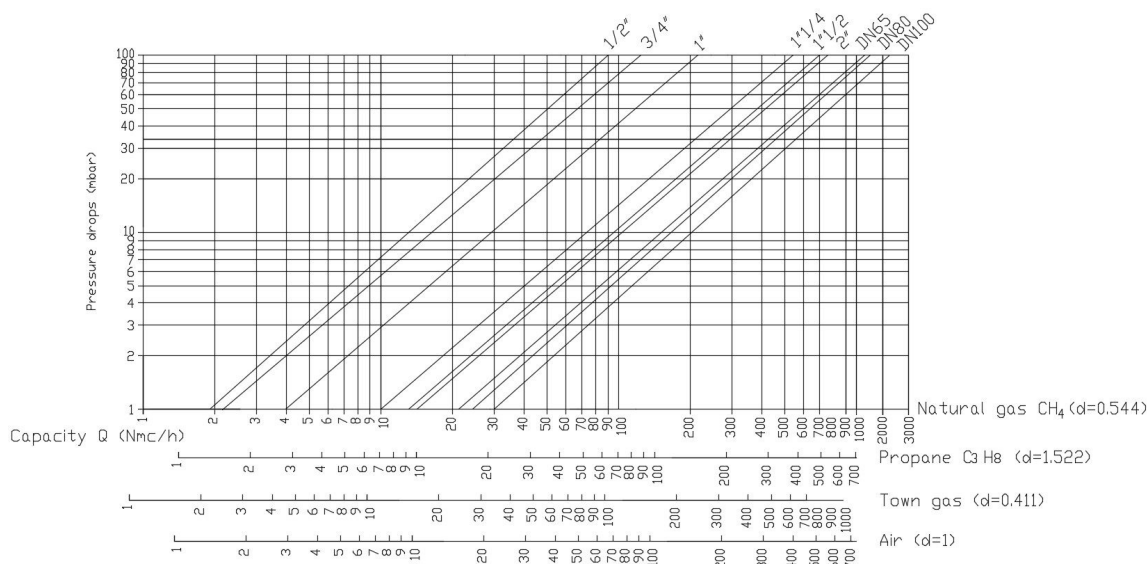
These solenoid valves will only operate with when the flow is in the same direction as the arrow on the valve body which is generally towards the appliance and upstream of the regulation apparatus.

Connection	Horizontal position	Vertical position	Overtured position
from 1/2" to DN100			

MAINTENANCE

The solenoid valve's operation should be checked periodically. Should disassembly be necessary, make sure there is no gas under pressure inside the valve and that is not connected to the power supply before starting. All maintenance operations should be carried out by qualified personnel.

LOSS OF HEAD DIAGRAM



TECHNICAL CHARACTERISTICS

- Max pressure: 360mbar-6bar
- Opening time: < 1 sec.
- Closing time: < 1 sec
- Max number of operations: 20 per minute
- Power supply: 230Vac/110Vac (-15%+10%) 50-60Hz
- Use: Non Aggressive gases (Family 1-2-3) and Air
- Working temperature: -20°C..... +60°C.
- Connections: from 1/2" to 2" threaded as ISO 228/1 from DN65" to DN100 flanging as UNI2223
- Degree of protection: IP65
- Group: 2
- Approval: Directive 2014/68/UE (only for 6bar model) Directive 2009/142/CE (GAS)-EN161



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The manufacturer reserves the right to make any aesthetic or functional modification to the product without prior notice at any time.