

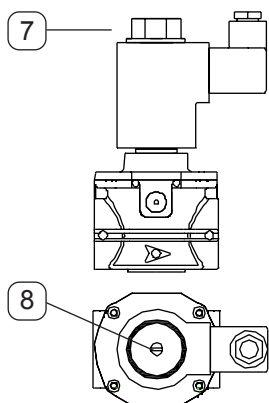
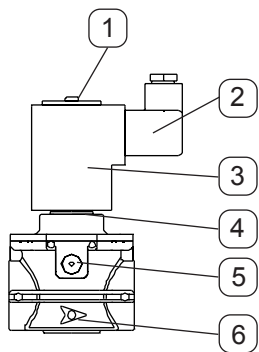
Italiano



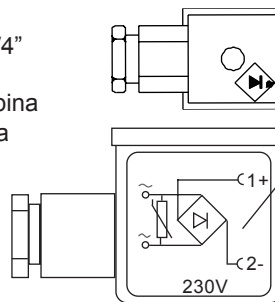
**Made
in
Italy**

- ① Valvole automatiche ③ FO=Fast Opening ⑤ ____=360mbar
-6B =6bar
- ② Dimensione:
015 =1/2"
020 =3/4"
025= 1"
032= 1 1/4"
040= 1 1/2"
050= 2"
D65=DN65
D80=DN80
D100=DN100
- ④ modello:
____= Senza regolatore di portata
-FR= Con regolatore di portata
- ⑥ Power supply:
____= 230Vac
-110Vac
-12Vdc
-24Vac
-24Vdc

A richiesta queste elettrovalvole possono essere fornite con il microswitch di segnalazione.



- ① Vite/rondella/OR per fissaggio bobina
- ② Connettore per collegamento elettrico
- ③ Bobina
- ④ Gruppo di scatto
- ⑤ Tappi prese di pressione G 1/4"
- ⑥ Corpo valvola
- ⑦ Tappo e OR per fissaggio bobina
- ⑧ Perno di regolazione portata



Simboli che identificano i connettori "raddrizzatori" (vedi *tabella Timbratura bobina*)

- 1_ Prima dell'installazione assicurarsi di chiudere il gas.
- 2_ L'elettrovalvola deve essere installata con la freccia stampata sul corpo valvola rivolta verso l'utenza.
- 3_ Verificare che all'interno della valvola non vi siano detriti o corpi estranei.
- 4_ Verificare che la pressione della linea non sia superiore alla pressione massima dichiarata dell'elettrovalvola.
- 5_ Verificare che la tensione di rete corrisponda alla tensione di alimentazione della Bobina dell'elettrovalvola.
- 6_ Verificare la tenuta dell'impianto.

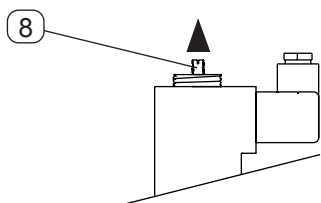


L'installazione e manutenzione del prodotto deve essere eseguita da personale qualificato.

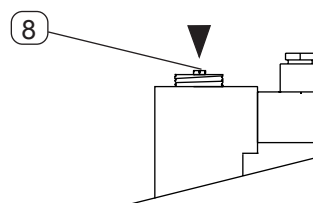
La regolazione viene effettuata ruotando con un cacciavite il **"Perno di regolazione"** (8).

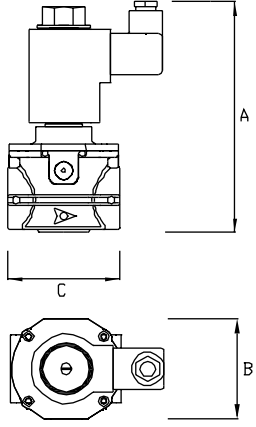
- Svitare e togliere il “**Tappo fissaggio bobina**” (7) .

- Per **AUMENTARE** la portata svitare il “Perno di regolazione”:



- Per **DIMINUIRE** la portata avvitare il “Perno di regolazione” :





DIMENSIONI (mm):

Ø	A	B	C
DN15 - 1/2"	148	64.5	72
DN20 - 3/4"	148	64.5	72
DN25 - 1"	148	64.5	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

Misure d'ingombro in mm.
Attacchi filettati: da 1/2" a 2" secondo ISO 228/1. Corpo in alluminio.
Attacchi flangiati: da DN65 a DN100 secondo UNI 2223. Corpo in alluminio.

da 360mbar a 6bar

TIMBRATURA BOBINA

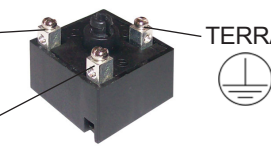
	230Vac	110Vac
N.C.	230VRAC 17W 	110VRAC 17.5W 

B  : con queste bobine, utilizzare il connettore Cod. 2.180.1906 che funge da "ritardatore" e "raddrizzatore", presente nell'imballo.

COLLEGAMENTO ELETTRICO

FASE

NEUTRO

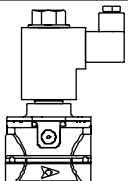
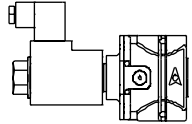
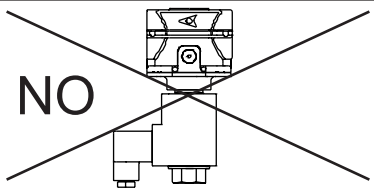


TERRA



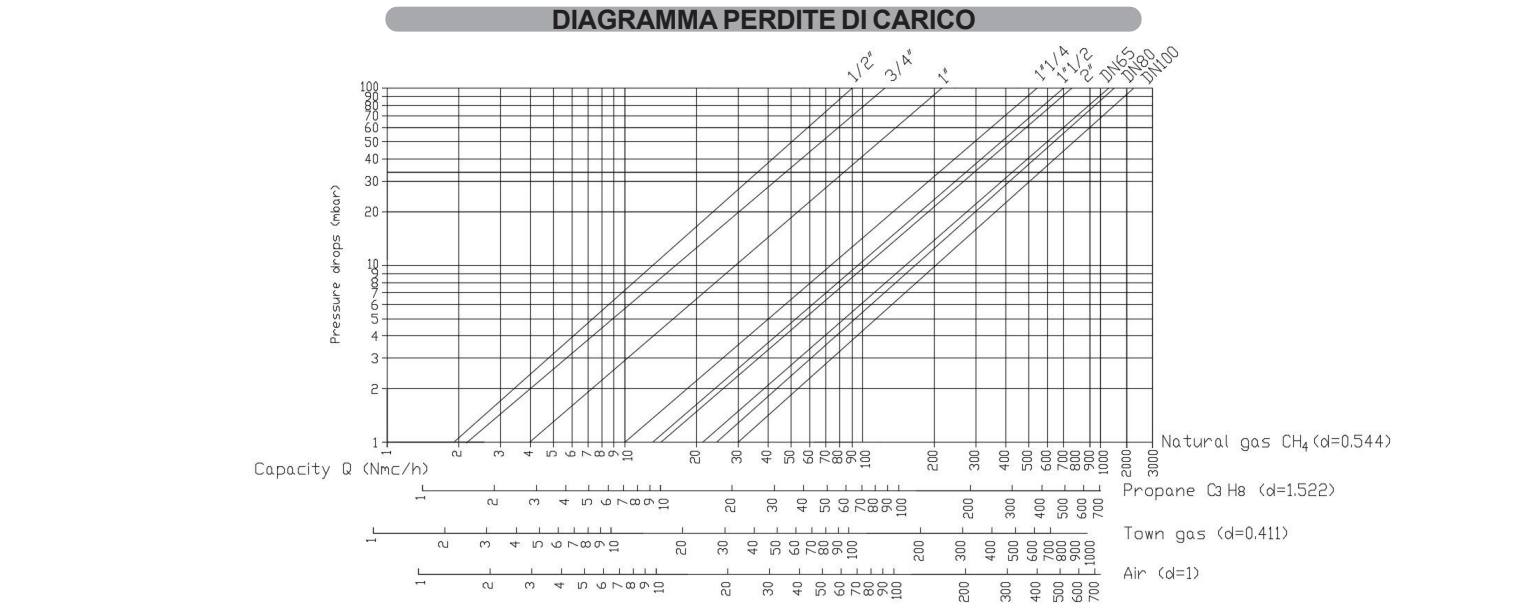
POSIZIONAMENTO

Leggere attentamente il foglietto istruzioni prima dell'uso.
 Questo dispositivo deve essere installato montando un filtro idoneo per gas (conforme alla norma EN161 a monte di esso, riferirsi inoltre alle leggi in vigore per una corretta installazione.
 L'elettrovalvola deve essere installata con la freccia stampata sul corpo rivolta verso l'utenza. Deve essere posizionata a monte degli organi di regolazione e preferibilmente all'esterno dell'ambiente in cui è presente l'utenza.
 N.B. Installare l'elettrovalvola al riparo dagli agenti atmosferici.

Attacchi	Posizione orizzontale	Posizione verticale	Posizione capovolta
da 1/2" a DN100			NO 

MANUTENZIONE

Si consiglia di verificare periodicamente l'intervento dell'elettrovalvola. In caso di necessità, prima di effettuare qualsiasi operazione sull'elettrovalvola, accertarsi che all'interno della stessa non ci sia gas in pressione e che non sia alimentata elettricamente.
Qualsiasi operazione di manutenzione dev'essere eseguita da personale qualificato.



CARATTERISTICHE TECNICHE

- Pressione max:	360mbar-6bar
- Tempo di apertura:	< 1 sec.
- Tempo di chiusura:	< 1 sec.
- Numero max operazioni:	20 al minuto
- Alimentazione elettrica:	230Vac/110Vac - 50/60Hz
- Potenza elettrica:	230Vac/110Vac (-15%+10%) 50-60Hz
- Impiego:	Gas non aggressivi (Metano, Propano, GPL....)
- Temperatura di lavoro:	-20°C..... +60°C.
- Attacchi:	da 1/2" a 1" filettati secondo ISO 228/1 da DN65 a DN100 Flangiati secondo UNI 2223
- Grado di protezione elettrica:	IP65
- Classe:	A
- Gruppo:	2
- Conforme:	Directive 97/23/CE (PED) (solo per modelli 6bar) Directive 2009/142/CE (GAS)-EN161

La ditta costruttrice si riserva il diritto di apportare qualsiasi modifica, estetica o funzionale, senza preavviso alcuno ed in qualsiasi momento.

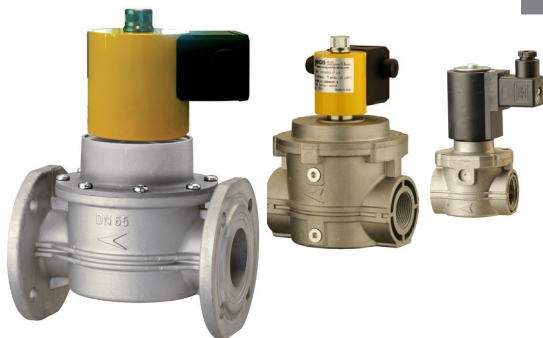


AUTOMATIC VALVES

FAST OPENING FROM 1/2" to DN100

360mbar/6bar

**Made
in
Italy**



AV015FO-FR-6B-110Vac

① Automatic Valves ③ FO=Fast Opening ⑤ ____=360mbar
-6B =6bar

② Dimension:
015=1/2"
020=3/4"
025= 1"
032= 1 1/4"
040= 1 1/2"
050= 2"
D65=DN65
D80=DN80
D100=DN100

④ mod:
____=without Flow Regulation
-FR=with Flow Regulation

⑥ Power supply:
____= 230Vac
-110Vac
-12Vac
-12Vdc
-24Vac
-24Vdc

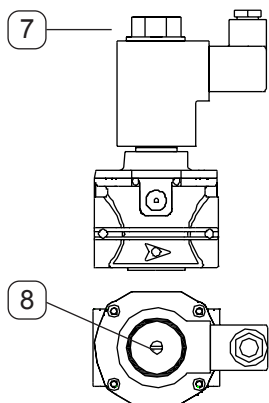
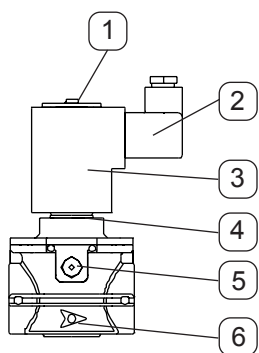
All solenoid valves are automatic reset and normally closed.

Gas automatic valve normally closed open when the coil is powered and close when there is no tension.

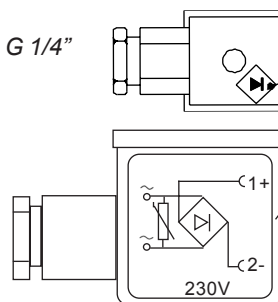
Model with code FR have flow regulation.

These valves can be supplied with CPI. (Control position indicator) on request.

Mod.AV0xxFO-FR



- ① Seal Washer
- ② Electric connector
- ③ Coil
- ④ Release unit
- ⑤ Tappi prese di pressione G 1/4"
- ⑥ Valve body
- ⑦ Cap and seal oring
- ⑧ Regulation shaft



Identification
symbol of the
“rectifier”
connectors. (see
table coil marking)

- 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.

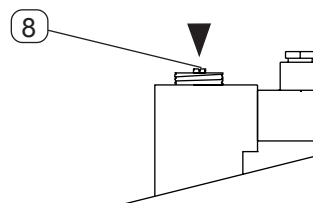
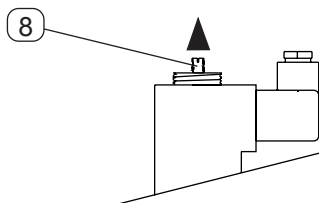
With the model FR is possible to set the gas flow.

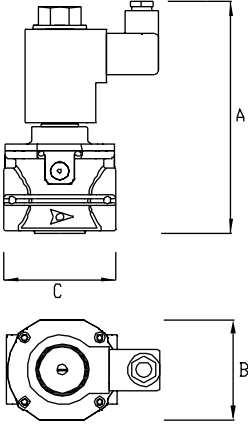
The flow setting is done by turning the "Regulation shaft" (8) .

- 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	64.5	72
DN20 - 3/4"	148	64.5	72
DN25 - 1"	148	64.5	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. Body in brass
Flanging connections: from DN65 to DN100 as UNI 2229. Body in brass.

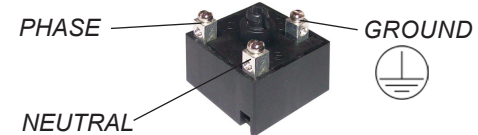
from 360mbar to 6bar

COIL MARKING

	230Vac	110Vac
N.C.	230VRAC 17W 	110VRAC 17.5W 

B  : a particular (230Vca) connector must be associated to these coils which acts as a "delayer" and "rectifier" included in the packaging: Cod.21801906

ELECTRICAL CONNECTION

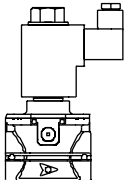
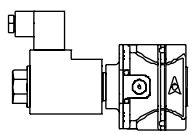
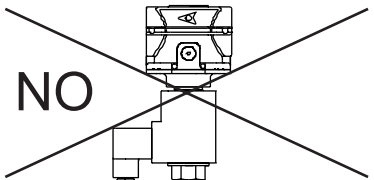


INSTALLATION AND POSITION

Read instructions before use.

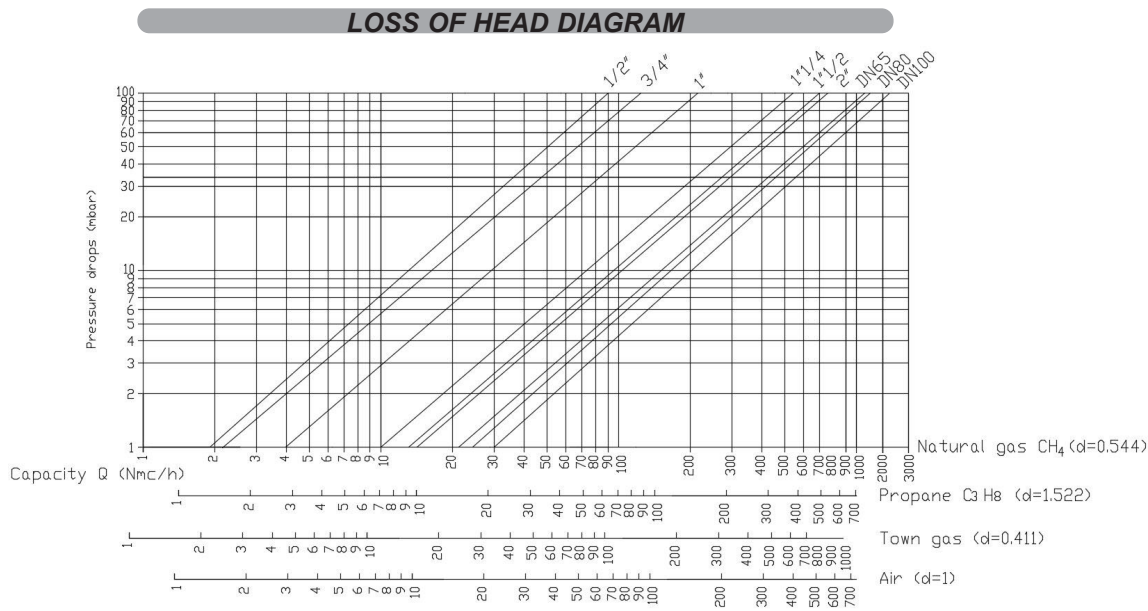
This devise must be installed by fitting a suitable gas filter (according to UNI EN 161) upstream of it, also refers to the rules in force for proper installation.

The solenoid valve must be positioned with the arrow stamped on the body turned towards the user appliance. The solenoid valve must be positioned with the arrow stamped on the body turner towards the user appliance upstream of the regulation apparatus and preferably outside the measurement zone and repaired to the atmospheric agents.

Connection	Horizontal position	Vertical position	Overturned position
from 1/2" to DN100			NO 

MAINTENANCE

The solenoid valve's intervention 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.



TECHNICAL CHARACTERISTICS

- Max pressure: 360mbar-6bar
- Opening time: < 1 sec.
- Closing time: < 1 sec
- Max number of operations: 20 for minute
- Alimentazione elettrica: 230Vac/110Vac - 50/60Hz
- Supply voltage: 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 1" threaded as ISO 228/1
from DN65" to DN100 flanging as UNI2223
- Degree of protection: IP65
- Class: A
- Group: 2
- Approval: Directive 97/23/CE (PED) (only for 6bar model)
Directive 2009/142/CE (GAS)-EN161

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

