

WATTS®



giuliani anello

MANUALLY RESET SOLENOID VALVES

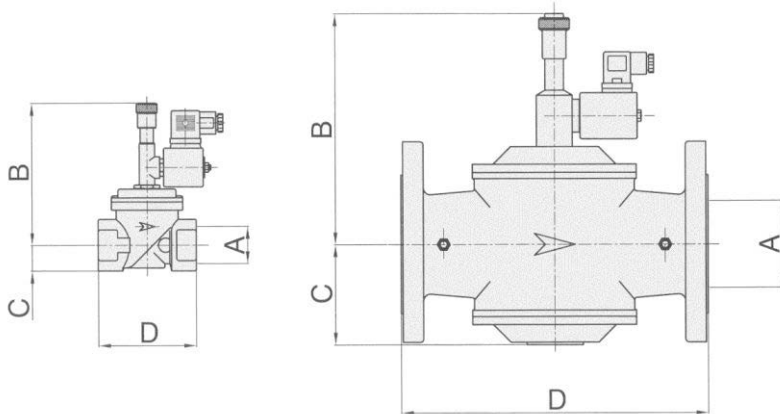
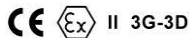
EV
EV/6B

In conformità alla Direttiva 2014/68/UE

According to the 2014/68/UE regulation
Conformément à la Directive 2014/68/UE
In Übereinstimmung mit der Richtlinie 2014/68/UE
De conformidad con la Directiva 2014/68/UE

Omologazione UNI-EN 161

UNI-EN 161 approved
Homologation UNI-EN 161
Zulassung UNI-EN 161
Homologación UNI-EN 161



Mod.	EV15 EV15/6B	EV20- EV25 EV20/6B EV25/6B	EV32-EV40 EV32/6B EV40/6B	EV50 EV50/6B	EV40 EV40/6B	EV50 EV50/6B	EV65- EV80 EV65/6B EV80/6B	EV100 EV100/6B	EV125-EV150 EV125/6B EV150/6B	EV200 EV200/6B	EV300 EV300/6B
A	Rp 1/2"	Rp 3/4"- 1"	Rp 1 1/4"- 1 1/2"	Rp 2"	DN 40	DN 50	DN 65-80	DN 100	DN 125-150	DN200	DN300
B	120	140	170	170	170	170	230	230	390	445	585
C	15	25	31	39	70	78	100	115	170	230	320
D	76	96	154	173	210	230	300	360	480	600	720

DIMENSIONI DI INGOMBRO (mm) - OVERALL DIMENSIONS (mm) - DIMENSIONS D'ENCOMBREMENT (mm)
ABMESSUNGEN (mm) - DIMENSIONES (mm)

TECHNICAL SPECIFICATIONS

Connection: threaded UNI-ISO 7/1; flanged PN16 EN 1092-4

Maximum inlet pressure: 0,5 bar (EV); 6 bar (EV/6B)

Environmental temperature range: -20°+ 60°C

Electrical power: 230V/50Hz, 24V/50Hz and 12Vdc; 24Vdc only for flanged models

Electrical tolerance: -15% +10%

Electrical insulation: IP 65

Coil: class F in compliance with VDE 0580

Closing time: < 1 s.

Class - Group: 2 - D

Power consumption: threaded, flanged DN40-DN50 11W - DN65-100 28W
- DN125-150-200-300 45W

Fuel: all three families of gas (city gas, methane, LPG); non aggressive gases.

Material: aluminum valve's body and cover; stainless steel spring; steel control piston; NBR rubber gasket and O-ring; other parts are of brass, aluminum and galvanized steel.

GENERAL FEATURES

EV and EV/6B solenoid valves are normally closed valves. They are kept open by an electrically powered electromagnetic coil.

These valves are designed to cut off the gas flow if the gas detectors reveal a gas leak or if there is a power blackout. These valves are manually reset after the cause of the emergency has been removed. In addition, for greater safety, these valves can only be reset when the line is powered and when the gas detectors do not reveal any danger (positive safety feature).

VALVE'S RESET

These valves' resetting is exclusively manual in order to find out and then to remove the causes of the occurred emergency. To make easier the resetting, all valves of the EV/6B series and the flanged models of the EV series (except DN40-DN50) are equipped with a double shutter so to avoid the installation of by-pass systems on the piping between upstream and downstream the solenoid valve. To reset the solenoid valves with double shutter you should follow the instructions sheet inside each packing; while for the threaded EV series and flanged DN40-DN50, with one only shutter, you should just pull the aluminium knob fitted on the duct of the solenoid valve.

INSTALLATION

This valve can be installed in any positions. On horizontal pipes it is advisable to have the internal duct facing upward. Be careful to the following instructions during the installation phase:

1. never install the valve using the duct for leverage;
2. make certain that the piping is well aligned and that there are no obstacles or dirties inside the same;

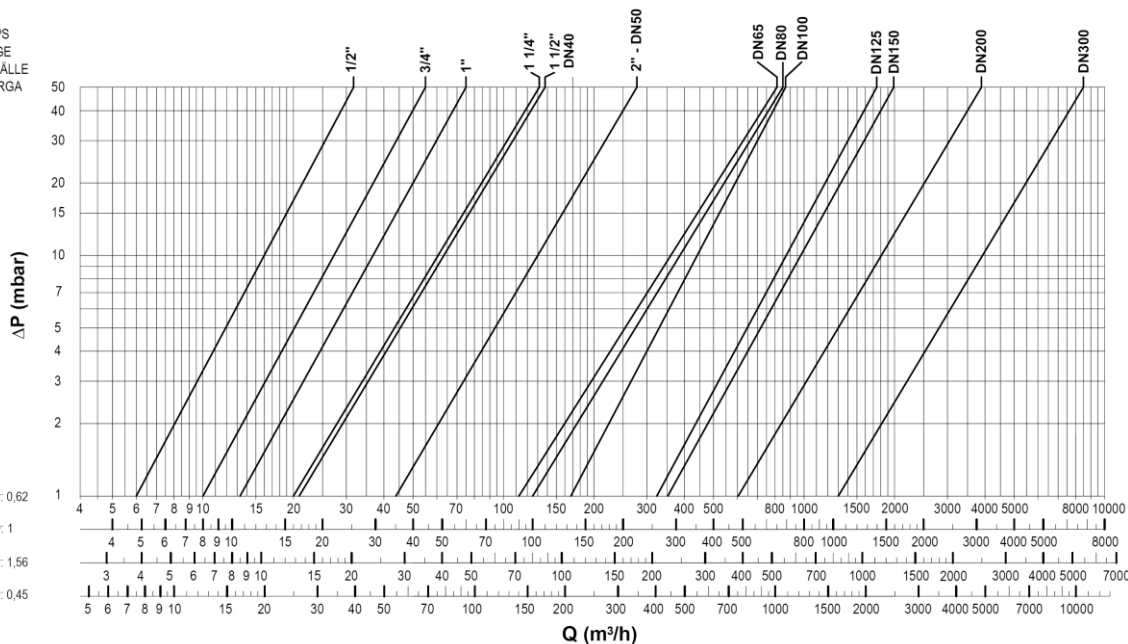
3. follow the flow direction according to the arrow printed on the valve's body;
4. check that all the parameters such as pressure, voltage, temperature and others are followed;
5. install the valve such as to avoid the contact with plastered walls;
6. do not plug or obstruct the knob guide as this could compromise the valve's function;
7. fit a suitable gas filter upstream the valve;
8. If the solenoid valve is installed outside, as usual, it is suggested to protect it by the atmosphere agents;
9. The electrical connections to the coil have to be carried out by qualified personnel and in compliance with the regulations in force.
Power supply cable: 3 x 0,75 mm² H05VV-F.

MAINTENANCE

The solenoid valves do not require any maintenance; in case of breakdown they should be overhauled and tested by the manufacturer. It is advised to check periodically the perfect efficiency of the device (gas leaks detector and solenoid valves).

ALL INSTALLATION AND MAINTENANCE OPERATIONS MUST BE CARRIED OUT SOLELY BY QUALIFIED PERSONNEL.

DIAGRAMMA PORTATA/PERDITE DI CARICO
DIAGRAM OF FLOW RATES / PRESSURE DROPS
DIAGRAMME DES DEBITS / PERTES DE CHARGE
DIAGRAMM DER DURCHSATZE / ENERGIEGEFÄLLE
DIAGRAMA DE CAUDALES / PERDIDAS DE CARGA



Metano - Methane - Méthane - Methan - Metano dv: 0,62

Aria - Air - Air - Luft - Air dv: 1

GPL - LPG - GPL - GPL - GPL dv: 1,56

Gas città - Town gas - Gaz de ville - Stadtgas - Gas ciudad dv: 0,45

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