

EN 50194,

DN 50) 550 /6 ( DN65 DN100) – 550 ( DN15 6  
( DN15 6 DN 50) – 6

## *Solenoid Valves*

*with manual reset, Normally Open*

*Solenoid valves have been designed to be combined with any gas detection system which sets off a warning signal to shut off the main delivery when an emergency situation is detected.. All solenoid valves are reset manually in compliance with european standard EN50194 governing gas detection system.*

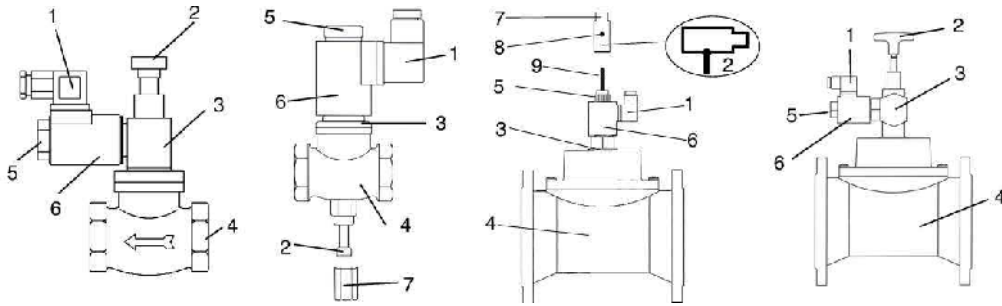
### *Operating principle*

#### *Normally Open (N.O.)*

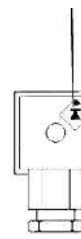
*There is no electrical absorption during normal operation and so no part of the system undergoes wear; there is no annoying buzzing or vibrations, and energy is saved. However, when voltage is applied to the electromagnetic coil, the closure mechanism is released.*

*To reset the solenoid valve, **check that the coil is not receiving current.** For the valves **550mbar (from DN15 to DN 50)** and from **550mbar/6bar (from DN65 to DN100)** pull the reset knob, For the valves **6bar (from DN15 6bar to DN 50)** unscrew the "**Protective plug**" and pull upwards the reset knob and after that screw the "**Protective plug**".*

**/ Description**



- 1 / Electric connector
- 2 / Reset knob
- 3 / Release unit
- 4 / Valve body
- 5 / Coil
- 6 / Screw for coil clamp
- 7 / Protective plug
- 8 / Threaded hole



Identification symbol of the "rectifier" connectors (see table coil marking)

**/N.O.**      **Pmax/ . : 550**

	AxB	PED	EN161
DN15 - 1/2"	60x120		
DN20 - 3/4"	60x122		
DN25 - 1"	78x130		
DN32 - 1*1/4"	114x174		
DN40 - 1*1/2"	114x174		
DN50 - 2"	139x182		

ISO 228/1

Overall measurements in mm.  
Threaded connections as per ISO 228/1  
Body in brass.

**550**

**/N.O.**      **Pmax/ . : 6**

	AxB	PED	EN161
DN15 - 1/2"	60x155		
DN20 - 3/4"	60x157		
DN25 - 1"	78x170		
DN32 - 1*1/4"	114x200		
DN40 - 1*1/2"	114x200		
DN50 - 2"	139x210		

ISO 228/1

Overall measurements in mm.  
Threaded connections as per ISO 228/1  
Body in brass.

**6**

**/N.O.**      **Pmax/ . : 550 / 6**

	AxB	PED	EN161
DN65	246x415		
DN80	265x415		
DN100	265x425		

UNI 2223

Overall measurements in mm.  
Flanging connections as per UNI 2223  
Body in aluminium.

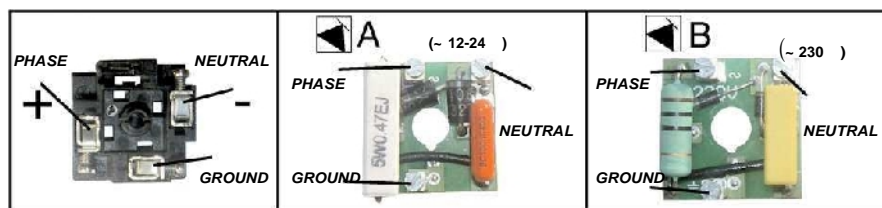
**550**

**/ 6**



## **Maintenance**

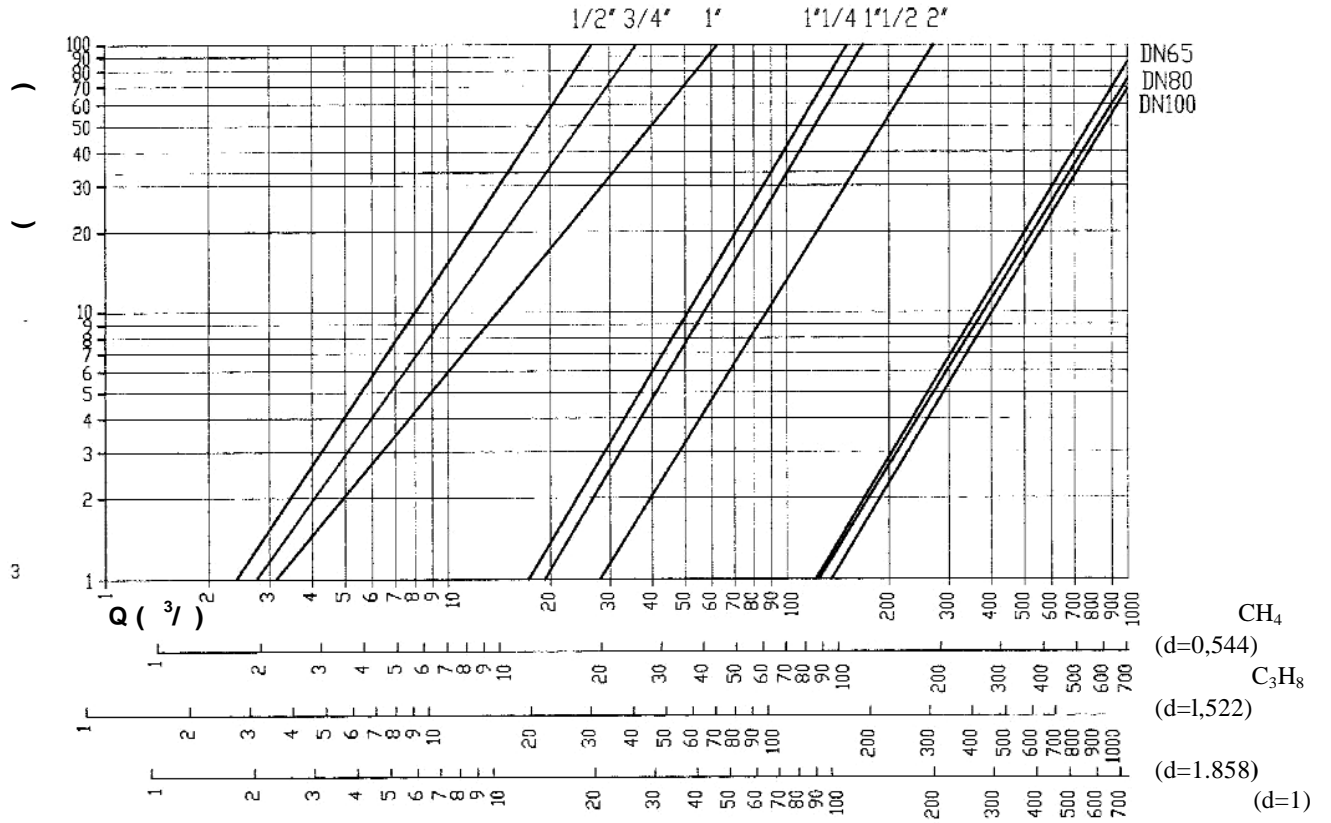
*The solenoid valve's intervention should be checked periodically. Should disassembly be necessary, make sure there is no gas under pressure inside the valve and that is not connected to the power supply before starting. All maintenance operations should be carried out by qualified personnel.*



### **/ TECHNICAL CHARACTERISTICS**

- /Max pressure: 550 / 6  
( / in according to the model)
- / Closing time: < 1
- / Power capacity: : = 12, 24 19  
~ 12, 24, 230 17
- / Power supply: = 12, 24 ; ~ 12, 24, 230
- / Connections: 1/2 2 , ISO 228/1,  
DN65 DN100, UNI 2223  
from 1/2" of 2" threaded as ISO 228/1, from DN65 of DN100 flanging as UNI 2223
- / Level of electrical protection: IP65.
- / Class: A
- / Group: 2
- / Operating temperature: -15°C...+60°C.

## LOSS OF HEAD DIAGRAM



**The company reserves the right to make any aesthetic or functional modification to the without prior notice at any time**