

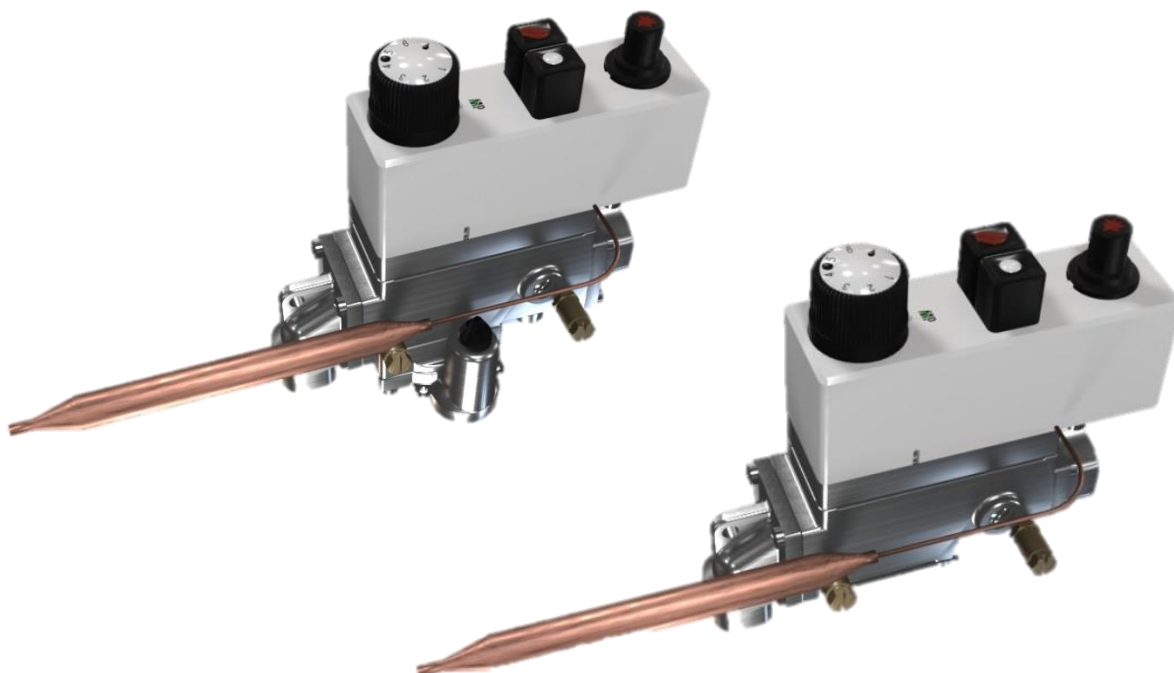


INSTRUCTION FOR INSTALLATION, USE AND MAINTENANCE

Art. CR6

MP 9-743-640... MP 7 -743-640... MP 9-743-630... MP 7-743-630...

Multifunctional control for gas appliances
(heaters, boilers, water storage boilers, fryers etc.)



Read the instruction before use.
This valve has to be installed in accordance with rules in force.

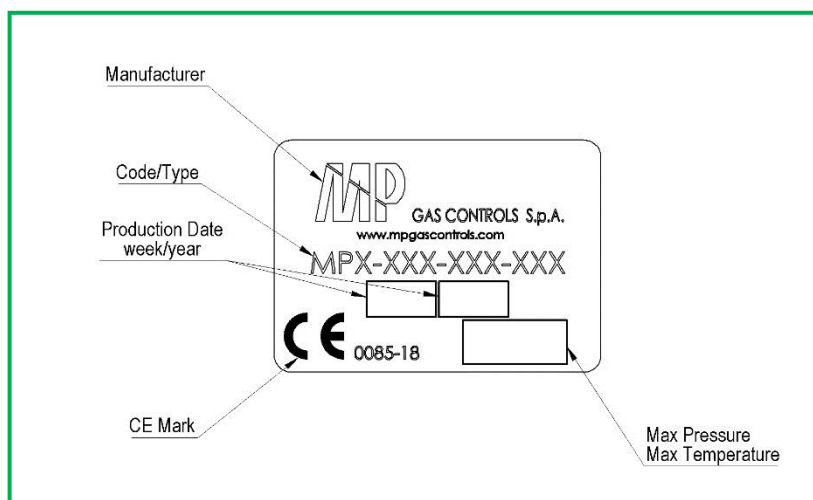
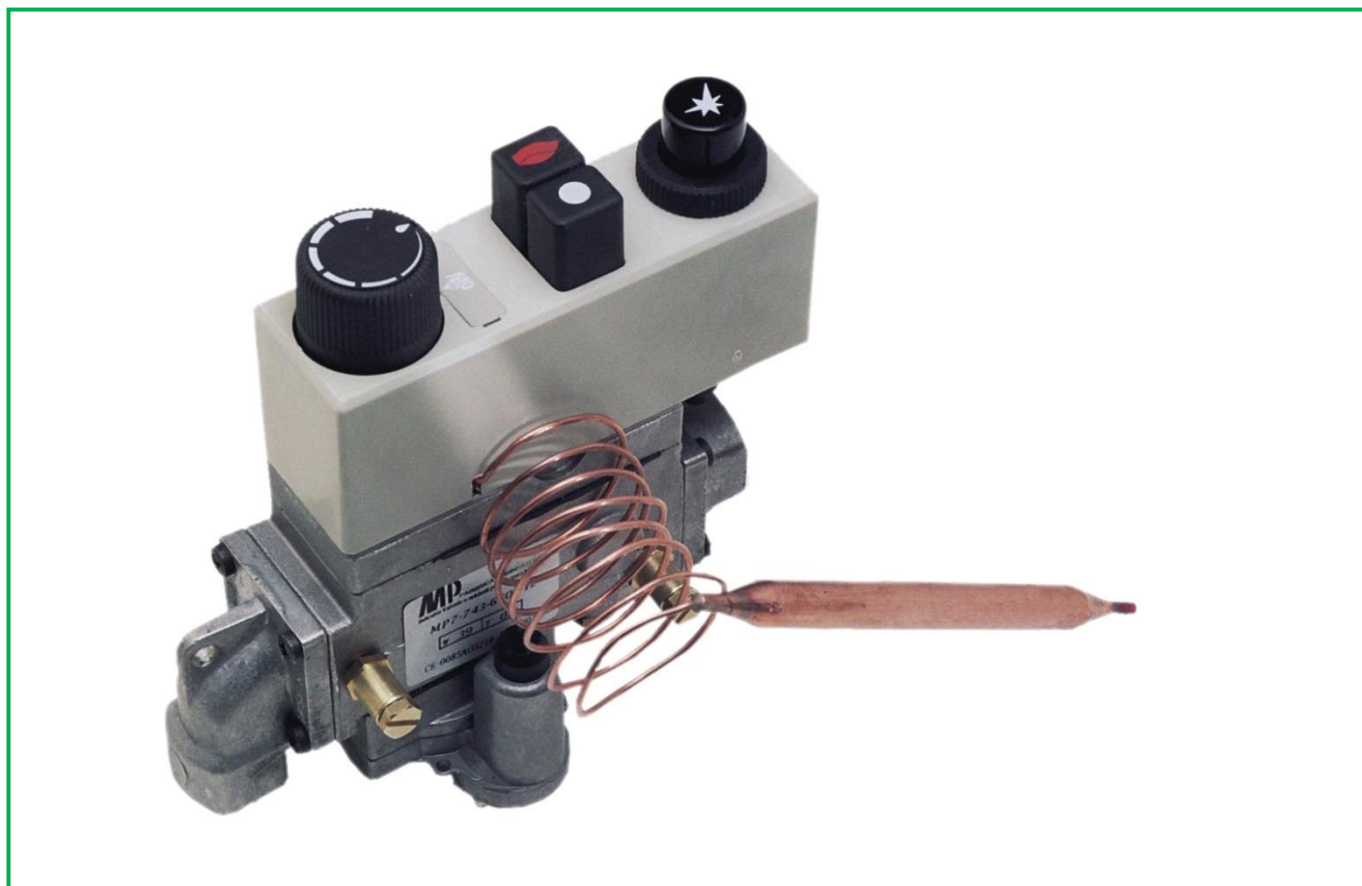


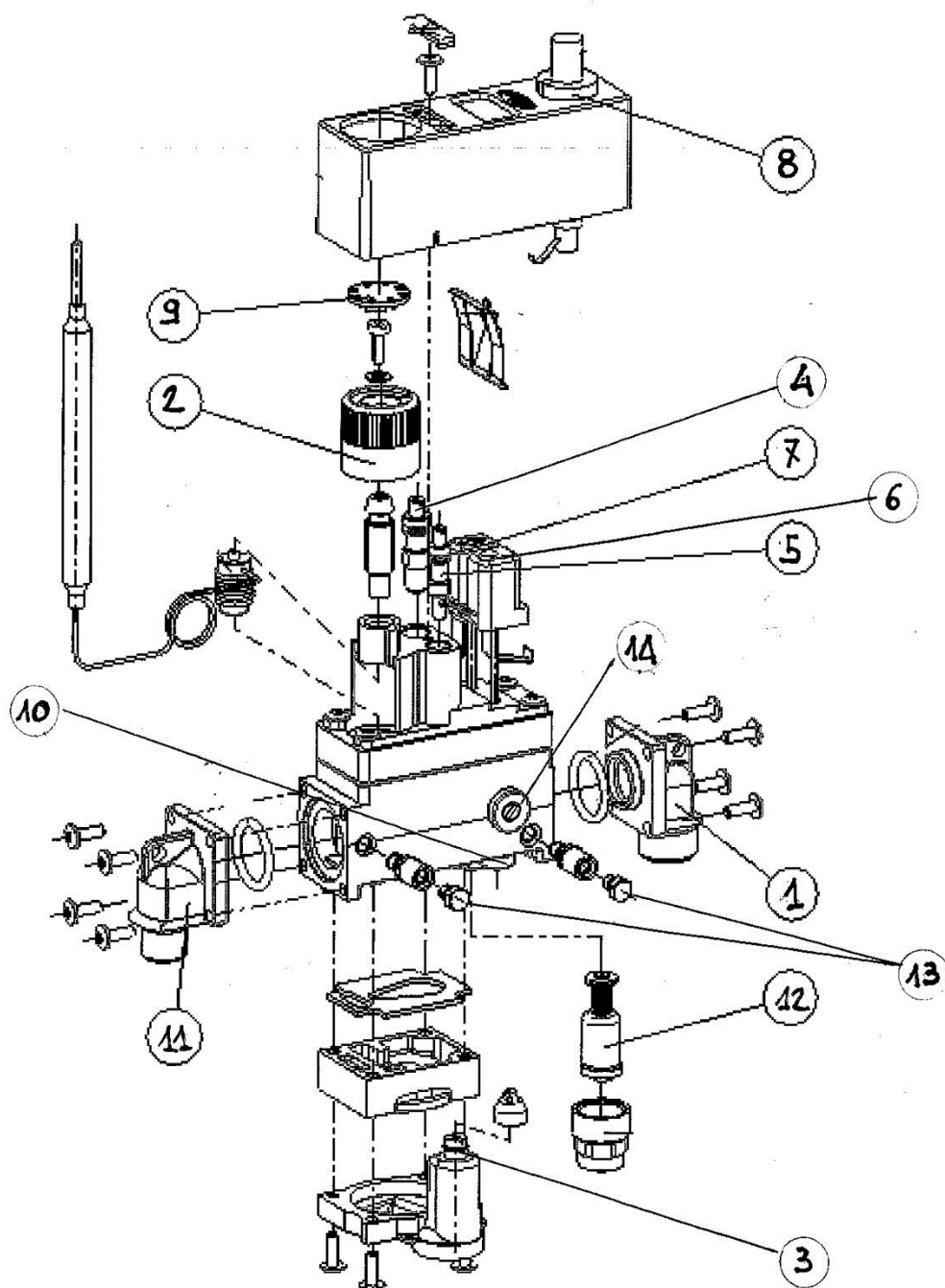
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Chapter 1

1.1 - Product description





- | | |
|---------------------------------------|--|
| 1. Gas Inlet (Ø 12 tube or others) | 2. Knob |
| 3. Pressure regulator (if provided) | 4. Low adjusting screw (if provided) |
| 5. High adjusting screw (if provided) | 6. Switch-off push button |
| 7. Switch-on push button | 8. Electric piezo |
| 9. Temperature graduated scale | 10. Pilot outlet |
| 11. Gas outlet | 12. Thermoelectric surveillance system |

13. Test points (if provided)

14. Pilot flame adjusting screw (if provided)

1.2 - Technical properties

CE Approval:

According to **GAR EU/2016/426** - Certificate N°: **0085AO3218**

The following specifications are in accordance with EN 126 Standard “multifunctional devices for gas appliances”.

Gas connections:	Rp 3/8 ISO 7
Mounting position:	Any
Working gas families:	I, II, III
Max. inlet Pressure:	65 mbar
Calibrating range of outlet pressure:	3 - 18 mbar
Room working temperature:	80°C
Pressure Regulator (upon request):	Class C
Resistance to bending and torsion:	Group 2

Device to detect the flame

Turning-on time:	<10 s
Turning-off time:	<60 s
Number of cycles:	10.000

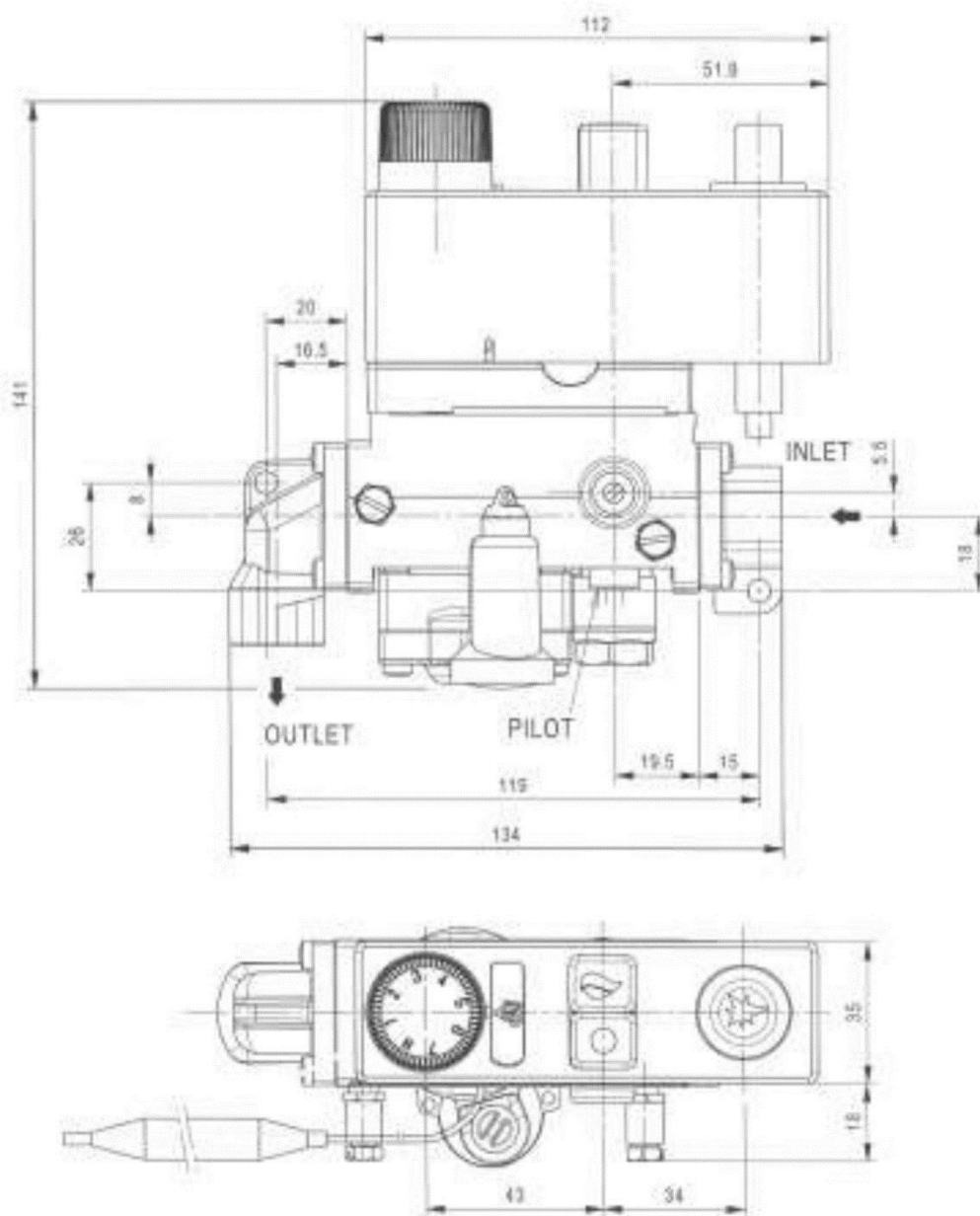
Manual closing device

Number of cycles:	10.000
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Flow rates - Inlet pipe

Flow rate index ($\Delta p=2,5$ mbar):	> 95% of 0,4 m ³ /h
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1.3 - Overall dimensions



Chapter 2

2.1 - General Information



Failure to comply with the following requirements may prevent the correct operation and safety of the product.

1. All installation, connection and adjustment operations must be performed only by **qualified personnel** and according to the specific properties of the device.
2. During installation it is important to verify that the **gas flow is in accordance with the arrow** on the valve body.
3. To avoid damage that may compromise correct functioning of the valve, **do not exceed the tightening torques** listed in next chapters.
4. To avoid damage that may compromise correct functioning of the valve, handling of valve shall be taken care of: **avoid falls and bumps**.
5. To avoid damage that may compromise correct functioning of the valve, use the **appropriate tools for installation** operations.
6. To ensure a perfect seal, manifold **shall not present burrs** in correspondence of inlet /outlet connections.
7. In order to avoid any foreign body to enter into the valve, which could compromise the right functioning of the valve, **manifold shall be clean**.

The installer, when setting up the application for choosing the power and calibration of the thermostat, **must verify that, in the event of breakage of the thermostatic feeler, on the application there are no dangerous situations** (e.g. high surface temperatures - see individual product standards, e.g. EN30).

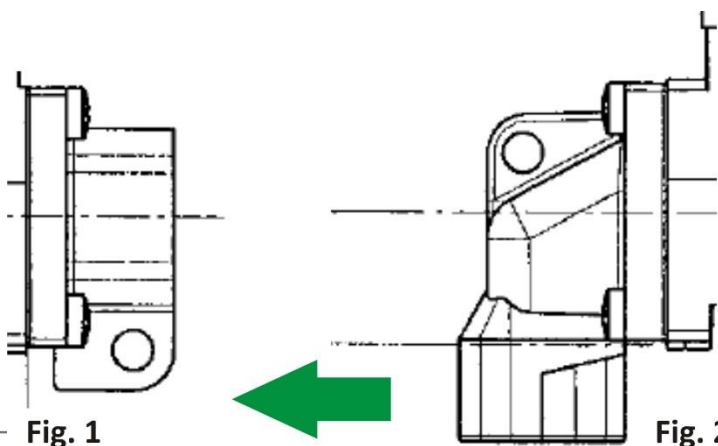
8. The thermostats have to be protected by any possible **liquids infiltrations and by the atmospheric agents**.



After installing or replacing the valve / valves, the installer must always check for gas leakage.

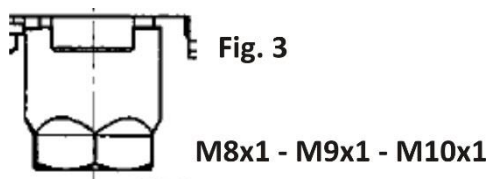
2.2 - Installation and assembling

Fix the gas valve on the appliance metal sheet or on appropriate support by the means of the fixing holes provided on the inlet and outlet connections fig. 1 and fig. 2.



2.3 - Thermocouple fixing

Fix the thermocouple to the gas valve according to the kind of connection provided, as shown on fig. 3.

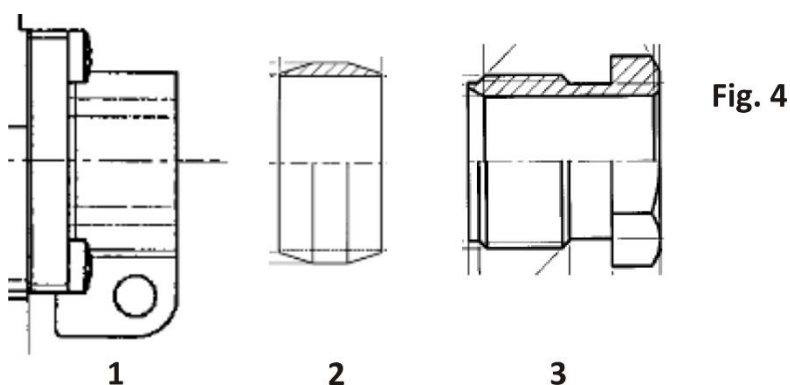


Threaded connection: Screw-in the nut of thermocouple with a torque of 0,4 Nm max.

Available magnet-on and magnet-off currents: 180/ 60 mA

2.4 - Gas outlet connection

Fix gas pipe to the inlet and outlet of the valve, by the means of appropriate nut and olive, (brass or aluminum) as shown in fig. 4; in order to avoid any damages of the valve, please follow strictly the tightening torques shown in TABLE 1.



1. G3/8 Inlet/outlet connection
2. Male fitting 3/8 Nut
3. Olive for pipe Ø 12

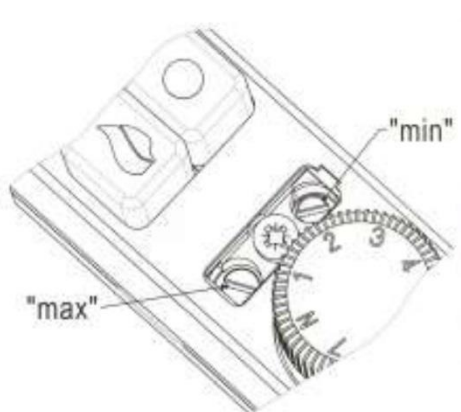
TABLE 1

DESCRIPTION	TORQUE Nm
Inlet and outlet fittings	15
Test point taps	4
Thermocouple fitting	0.4
Low adjusting screw	2.5

2.5 - Adjustment of low flow rate

Remove the plate shown on the picture here below by the means of a screwdriver, then, while screwing the “min” screw, the flow rate can be adjusted.

- ➔ To increase the flow rate, turn the screw anticlockwise.
- ➔ To decrease the flow rate, turn the screw clockwise.

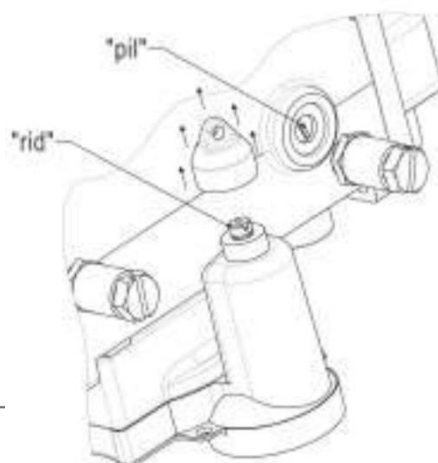


2.6 - Adjustment of high flow rate

(only for the models which have got such an optional)

Remove the plate shown on the picture by the means of a screwdriver, then, while screwing the “max” screw, the flow rate can be adjusted.

- ➔ To increase the flow rate, turn the screw anticlockwise.
- ➔ To decrease the flow rate, turn the screw clockwise.



2.7 - Adjustment of outlet pressure

(only for the models which have got such an optional)

The pressure is adjustable by the means of the "RID" screw.
Remove the protection cap.

- ➔ To increase the outlet pressure, turn the screw clockwise.
- ➔ To decrease the outlet pressure, turn the screw anticlockwise.

2.8 - Adjustment of the flow rate of pilot flame

The flow rate of the pilot flame can be adjusted by the means of the "PIL" screw in both the directions.



Attention: removing the adjustment screw can cause large gas leaks. The replacement of the screw, where possible, must be performed by a **qualified personnel**.

Chapter 3 - Maintenance

3.1 - General notes

All installation, connection and adjustment operations must be performed only by qualified personnel and according to the specific properties of the device. During installation it is important to verify that the gas flow is in accordance with the arrow on the valve body.

The valves are designed in order to be able to operate inside the cooking appliances, protected by any possible liquids or dirty infiltrations and by the atmospheric agents. The non-compliance of such a prescription may prevent the right functioning and the safety of the product.

It is absolutely forbidden to tamper with the sealed parts, unscrew the assembling screws and remove any part or marking on the valve. It's good to avoid that the valve suffers any kind of shocks (bumps, falls etc.)

In order to avoid any foreign body to enter into the valve, which could compromise the right functioning of the valve, it is necessary to assemble a proper filter; the inlet filter must be provided upstream of the manifold as required by the standard.



No kind of maintenance on the valve is allowed. It is absolutely forbidden to Tamper with the sealed parts, unscrew the assembling screws and remove any part or marking on the valve. The parts of the device mounted or adjusted during manufacturing and not intended for manipulation by the user or installer must be adequately protected.

Info and contacts

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