

## GB PRINCIPAL FEATURES:

The filter, series 10000 - 10600 are used for Natural Gas, LPG and non corrosive gas  
Project pressure PS: 10 bar - Working pressure Pe Max: 10 bar  
Max Temperature: -20 + 80°C  
Type of cartridge: self-extinguishing synthetic fibre. - Filtration level: 50 microns  
Metallic net - Filtration level: 300 microns

### INSTALLATION – CHECK BEFORE START-UP

Check that the installation is performed in according to the rules and good technical standards for LPG, Natural Gas and not corrosive gas application

Check that the data indicated on the label of the regulator correspond to the required range of the downstream equipment

The theoretical flow rate on the documentation must be at least the 150% of the real flow rate of the downstream equipment installed.

The maximum operating pressure is not over the value indicated on the type plate

The filter can be installed in different positions.

Check that the area around the filter is enough to allow the standard operation of maintenance including the changing of the cartridge

Check that the filter is installed as indicated in this instruction: it is necessary to have an upstream and downstream valve; check that the pipeline are in axle and the filter doesn't subtain any mechanical strength; check that the flow of the gas follows the arrow indicated on the cover; check the part of pipeline between the filter and the equipment are clean; check that all the screw and bolts are closed and fixed; check the tightness of the equipment.

### ACCESSORIES (Optional)

test point std. – you can use the test point for inlet pressure up to 1bar. In case you need to assembly the test point after the installation, it's necessary to do an hole of 1.5mm. For fix the test point we suggest to use high resistance glue.

Manometer – the manometer are usable in inlet and outlet at the same time. In case of assembly of only 1 manometer use the connection on the outlet. For fix the manometer we suggest to use high resistance glue.

DP clogging indicator – it's an instrument which is suitable for surveying the pressure droops in the equipment. It could be use for check the DP of the cartridge filter

For install the DP, you need to drill the point RE and RU(fig.3) of 1.5mm hole and connect the DP at the inlet point RE and outlet point RU. For fix the connection we suggest to use high resistance glue.

### MAINTENANCE

Periodically check the level of clogging of the cartridge with the instrument indicated in the specific paragraph

When the drop pressure is over than the value established from the Manager of the plant or from the engineer, replace the cartridge

### REPLACEMENT OF THE CARTRIDGE

Before any operation of maintenance, you need to check that the valve installed(as indicated in the previous paragraph) before and after the filter are closed and the pressure are discharged with the drain plug(fig.3). Keep out the drain plug, unscrew the 6 screws of the cover, remove the cover, extract the cartridge e replace it with a new one, positioning as indicated inside the body.

Replace the O-ring with the new one that you find in the spare part kit

Reassembly the body, and check that the cartridge comes inside correctly on the cover. Fix the screw with cross sequence

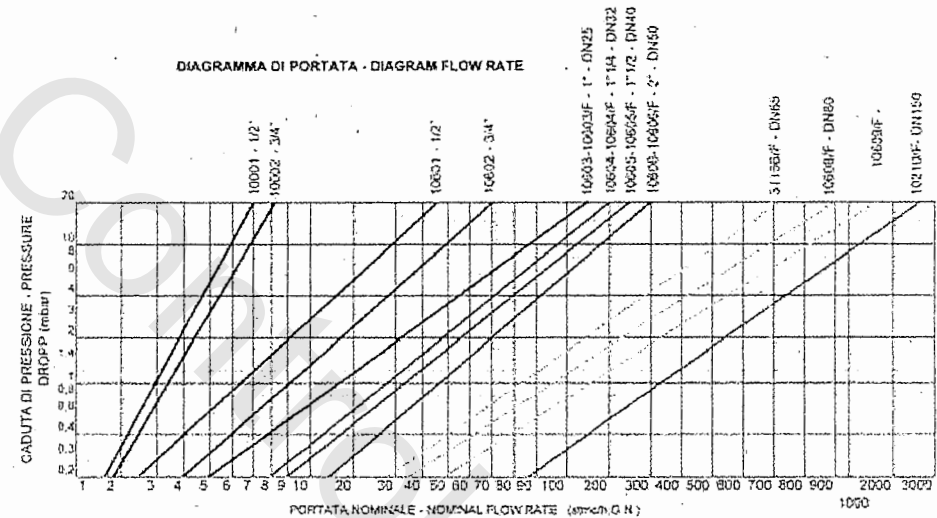
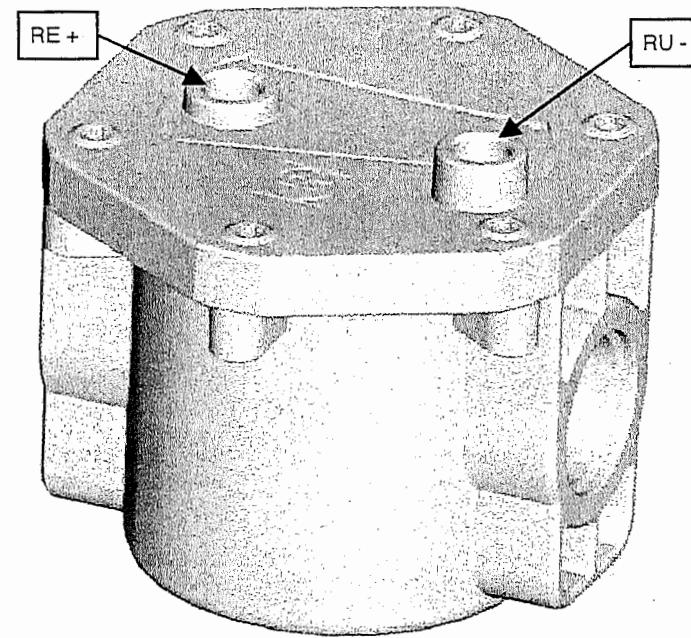
Screw the drain plug

Open slowly the inlet valve, check the tightness on the cover and on the drain plug with a soapy solution.

After this inspection, open slowly the downstream valve.

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Fig. 3



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