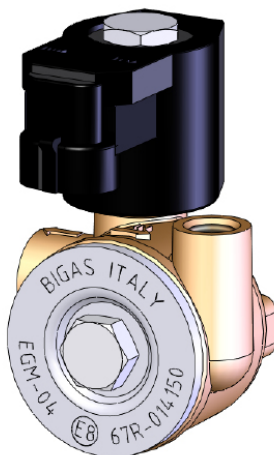


SOLENOID VALVE EGM-04

LPG APPLICATION



INSTALLATION PROVISIONS & WARNINGS



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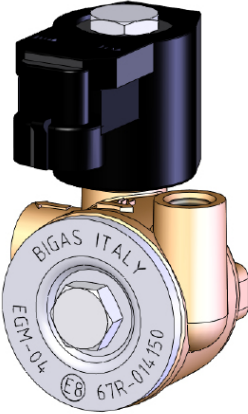

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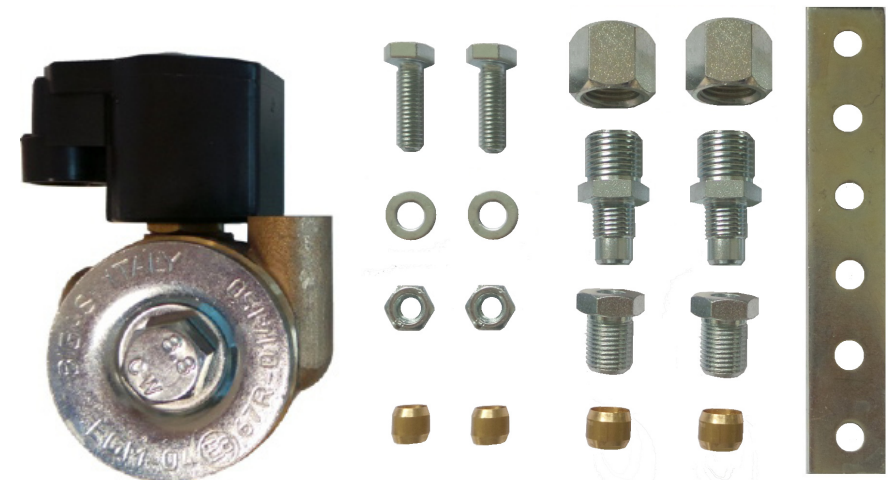
1. DATA SHEET

Type of gas	LPG		
Model	EGM-04		
Working pressure	30 bar 435 PSI		
Gas inlet	M10 x 1 x pipe ø6mm	brass	
Gas outlet	M10 x 1 x pipe ø6mm	brass	
Working temperature	-20° ÷ 120°C -4°F ÷ 248°F		
Hole electrical solenoid valve	Piloted type: 4,0mm		 <p>GENERAL INFORMATION EGM-04 Electrical solenoid valve</p> <p>The EGM-04 Electrical solenoid valve is dedicated for LPG reducers which have not an incorporated solenoid valve.</p> <p>The function of the electrical solenoid valve EGM-04 is to stop the LPG flow when the engine is off or switched to petrol.</p> <p>Body construction material: brass</p>
Electrical solenoid valve specification	12 V d.c. / 11 W		
Blocking holes	M5 x 0,8 mm (N°2)		
Overall dimension	110X55X50 mm 3,1X2,2X1,8 inch		
Weight	0,4 Kg 0,88 lbs		
Approval	E8 67R - 01 4150 E8 10R - 02 4456		

2. GENERAL DESCRIPTION

Before the installation, take care that the device has been supplied with all the necessary accessories provided in the package, as listed below (see pic. 1):

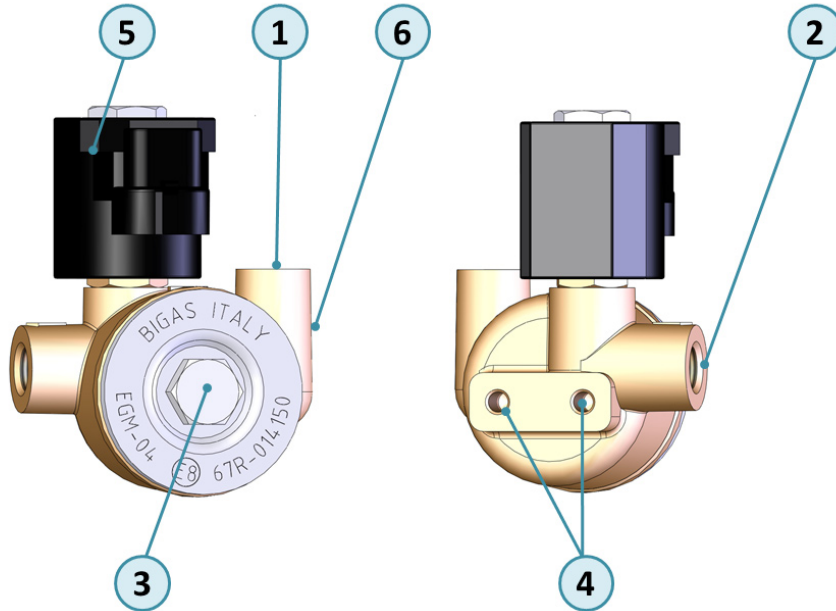
Code	Description	Q.ty
	LPG solenoid valve EGM-04 over 150KW	1 pc
EVLEB200000	Fixing bracket - 108X18 mm	1 pc
	Accessories bag (Nipples, bicone, nuts, washers, screws, etc...)	1 pc



Pic. 1 - Complete electrical solenoid valve with supplied accessories, picture for illustrative purpose

FRONT SIDE

BACK SIDE



Description	
1	Gas inlet fitting
2	Gas outlet fitting
3	Fixing screw filter cover
4	Blocking holes
5	Electrical solenoid
6	Serial number

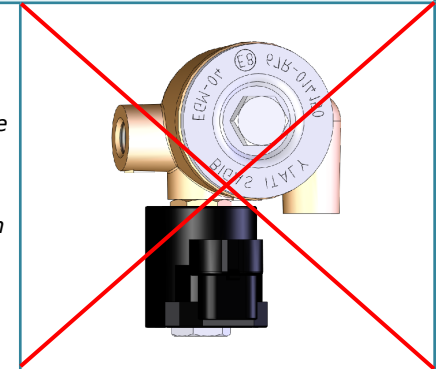
3. PROVISIONS & WARNINGS

3.1 Electrical solenoid valve installation



Install the electrical solenoid valve before the pressure reducer, in an easy position which can facilitate its maintenance.

Do not place the solenoid valve as shown on the side picture



Never connect the electrical solenoid valve directly to the engine or to the engine components.

Using the bracket provided, fix the electrical solenoid valve to the car body by the blocking holes (4), in order to avoid vibration while the engine it is working. Bracket can be bent or directed as needed.

3.2 Piping connections

For all kind of pipes the installer has to observe the following rules:



- During the vehicle running there should be no movements that generate friction and usury of the pipes with other devices of the engine compartment (i.e. against sharp edges or moving parts like drive belts).
- Pipes should not be stretched, nor shall have sharp corners that could create dangerous restrictions.
- Carefully clean the High Pressure pipes before they are finally connected to the electrical solenoid valve to prevent any residue getting inside it.



- Do not leave any rubber parts during the cutting of the pipe. The presence of residues of burrs and chips inside the pipes could compromise the correct functioning of the system. Before installing the rubber hoses is a good practice to blow compressed air inside them.
- Do not use for fastening pipes sealant products, such as: glues, silicones, mastic, etc ...

3.3 Gas pipes



Pay attention to the directions indicated on the electrical solenoid valve body concerning the inlet/outlet gas pipes.



The gas pipe connection from electrical solenoid valve to the pressure reducer should be as short as possible. Please refer to the system installation manual.

Connect the high pressure gas pipe to the gas inlet of the solenoid valve (1) using the accessories supplied in the electric solenoid valve package. Check after the tightness of the pipe.

Connect the high pressure gas pipe to the gas outlet of the solenoid valve (2) using the accessories supplied in the electric solenoid valve package. Check after the tightness of the pipe.

3.4 Electrical wiring

Connect the electrical solenoid valve **(5)** to the ECU.

3.5 Maintenance plan

Bigas recommends to provide a routine maintenance on the electrical solenoid valve EGM-04 every 15.000 Km , replacing the felt filter inside the electrical solenoid valve, unscrewing the blocking screw on the filter cover **(3)**. Tighten screw with Ch.13 with torque 9±3Nm

Bigas highlights the importance of doing a check-in and a service on the above mentioned party in order to prevent possible malfunctions not connected to the product quality.



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