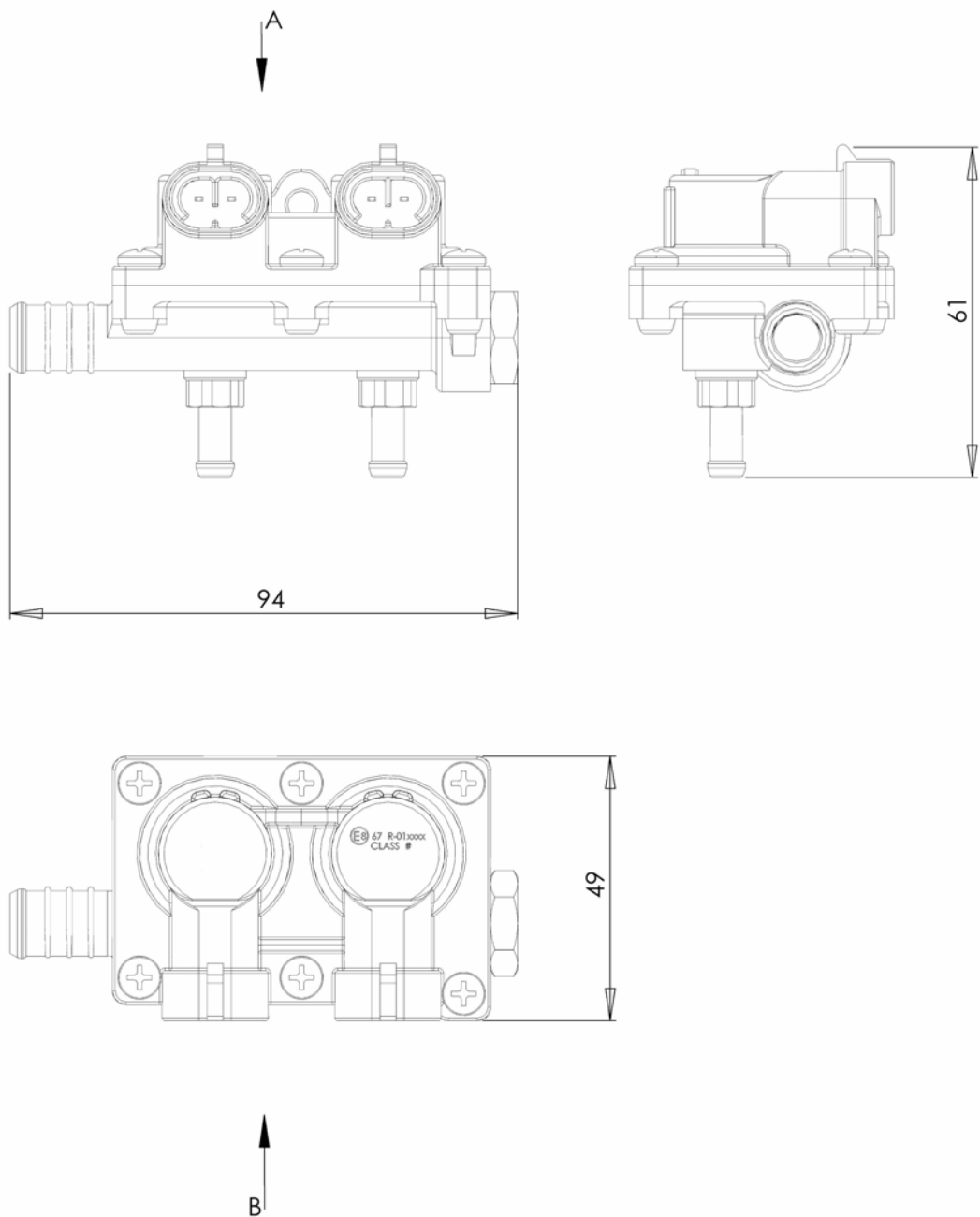




# TECHNICAL DATA OF “INJECTOR ESGI”

PRODUCT: INJECTOR ESGI



### General Characteristics

Handled fluid	LPG, CNG
Handled fluid temperature range	0°C +80°C
Operating temperature range (ambient)	-20°C +120°C
Single outlet flow rate @ 33.33 Hz, 0.7 bar rel. with air)	Green 18 ± 0.5 NI/min White 22 ± 0.5 NI/min Red 26 ± 0.5 NI/min
Operating pressure range	0.2 – 1.2 bar
Opening response time (12 VDC ON)	1.4 ± 0.2 (@ 0.7 bar rel. with air)
Closing response time (12 VDC ON)	1.0 ± 0.2 (@ 0.7 bar rel. with air)
Maximum operating frequency	100 Hz (@ 0.7 bar rel. with air)
Product life expectancy	> 500 MI Cycles

### Electrical Characteristics

Voltage	10 VDC ÷ 14 VDC
Coil resistance	14.2 Ohm ± 2% (24°C)
Coil Inductance	20.5 mH ± 1% @ 120 Hz 16.2 mH ± 2% @ 1 KHz
Holding current	0.45 Amp
Power absorption in holding	5.4 W (12 VDC)
IP protect	IP67

### Mechanical Characteristics and Connections

Dimensions	Ref. Enclosed drawing
Material	Ryton (PPS)
Weight	180 ± 5gr
Electrical connections	Super serial



### ***ELECTRO-INJECTORS REFERENCE TABLE***

The following is the electro-injectors table which allows you to choose the electro-injectors to use. The electro-injectors have been divided according to the power/cylinder.

In order to determine the electro-injectors to use, proceed as follows:

- A. Determine the power of the vehicle (in the table the power is expressed both in Kilowatt and in horsepower /hp/)
- B. Divide the above-mentioned power by the number of cylinders of the vehicle
- C. Once you have obtained the result of the power divided by cylinders, control which sector of the table the result corresponds to
- D. Install the electro-injectors corresponding to this sector

<b><i>POWER BY CYLINDER</i></b>		<b><i>ELECTRO-INJECTOR</i></b>
<b><i>Kw</i></b>	<b><i>hp</i></b>	
9.5 ÷ 16.5	13 ÷ 22	GREEN
16.75 ÷ 21.25	23 ÷ 29	WHITE
21.5 ÷ 30	29.5 ÷ 41	RED

<b>Example</b>	<p>A. Fiat Doblò 1.6 76 kW 4 cylinders</p> <p>B. <math>76 \div 4 = 19</math> kW</p> <p>C. Corresponds to the WHITE sector in the table</p> <p>D. Install the WHITE electro-injectors</p>
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