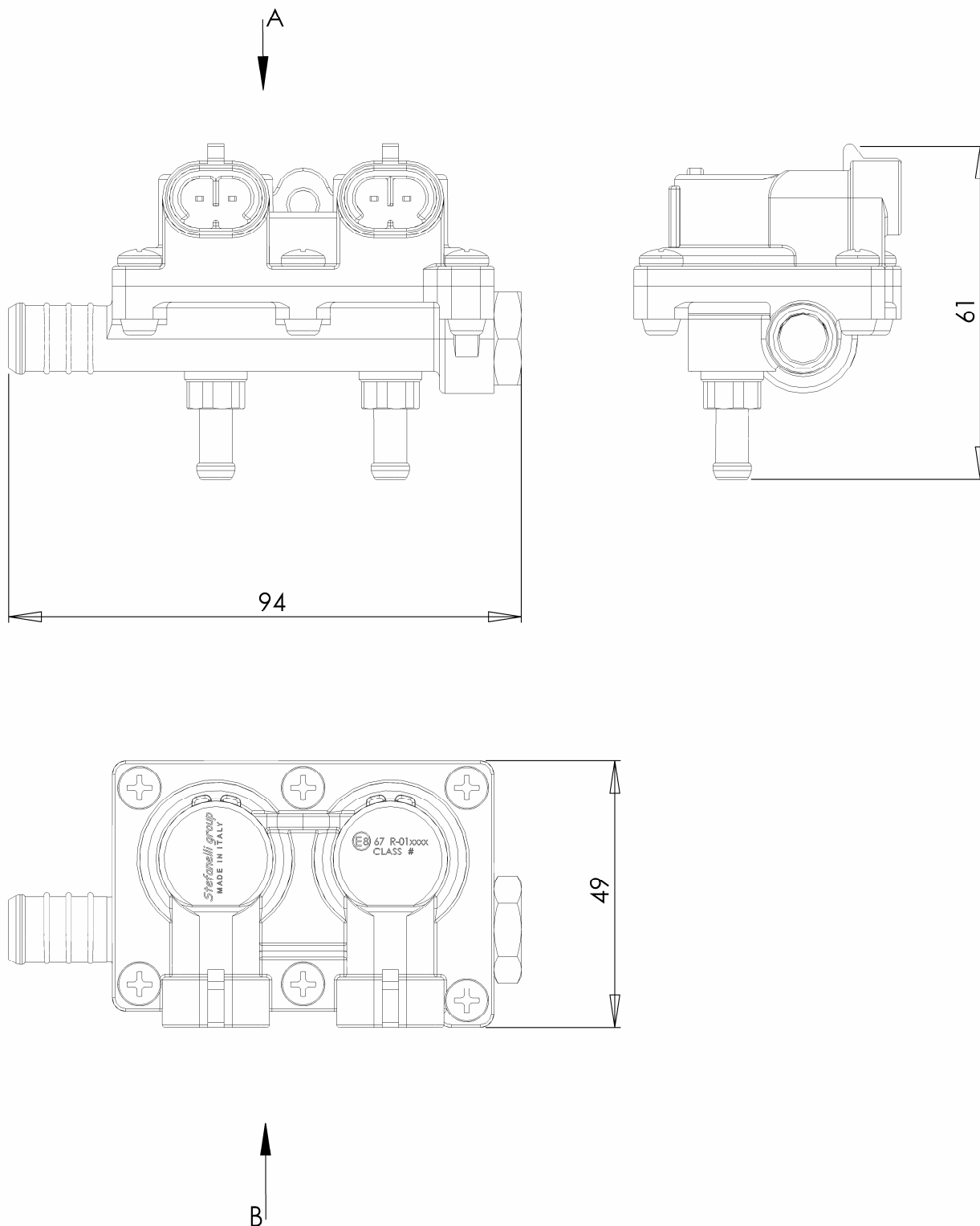


PRODUCT: **STG.0523.01.00X** [.001 (green); .002 (white); .003 (red);]

DESCRIPTION: "INJECTOR STEFANELLI GROUP" (2 outlet – 2 electrical control)



STEFANELLI GROUP S.R.L.

General Characteristics

| | |
|--|---|
| Handled fluid <i>Carburante</i> | LPG, CNG |
| Handled fluid temperature range <i>Temperatura di lavoro carburante</i> | 0°C +80°C |
| Operating temperature range (ambient) <i>Temperatura esterna</i> | -20°C +120°C |
| Single outlet flow rate (@ 33,33 Hz, 0.7 bar rel. with air) <i>Portata di ogni singolo ugello</i> | Green 18 ± 0,5 NI/min White 22 ± 0,5 NI/min Red 26 ± 0,5 NI/min |
| Operating pressure range <i>Pressione di esercizio</i> | 0,2 – 1,2 bar |
| Opening response time (12 VDC ON) <i>Tempo di apertura</i> | 1,4 ± 0,2 ms (@ 0.7 bar rel. with air) |
| Closing response time (12 VDC ON) <i>Tempo di chiusura</i> | 1,0 ± 0,2 ms (@ 0.7 bar rel. with air) |
| Maximum operating frequency <i>Massima frequenza di lavoro</i> | 100 Hz (@ 0.7 bar rel. with air) |
| Product life expectancy <i>Durata del prodotto</i> | > 500 MI Cycles |

Electrical Characteristics

| | |
|---|--|
| Voltage <i>Tensione di lavoro</i> | 10VDC ÷ 14VDC |
| Coil resistance <i>Resistenza avvolgimento</i> | 14,2 Ohm ± 2% |
| Coil Inductance <i>Induttanza avvolgimento</i> | 20.5 mH ± 1% @ 120 Hz 16.2 mH ± 2% @ 1Khz |
| Holding current <i>Corrente assorbita</i> | 0,45 Amp |
| Power absorption in holding <i>Potenza assorbita</i> | 5,4 W (12 VDC) |
| IP protect <i>Classe di isolamento</i> | IP67 |

Mechanical Characteristics and connections

| | |
|--|-----------------------|
| Dimensions <i>Dimensioni</i> | Ref. enclosed drawing |
| Material <i>Materiale</i> | Ryton (PPS) |
| Weight <i>Peso</i> | 180 ± 5 gr |
| Electrical connections <i>Connessione elettrica</i> | Super serial |

ECE regulations compliance

| | |
|-------------------|-------------------------|
| ECE R67 approval | E8 67R-01 4293 class 2A |
| ECE R110 approval | E8 110R-00 4295 class 2 |
| ECE R10 approval | E8 10R-02 4556 |

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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 cylinder, control which sector of the table the result corresponds to
- D) Install the electro-injectors corresponding to this sector

| POWER BY CYLINDER | | ELECTRO-INJECTOR |
|--------------------------|------------------|-------------------------|
| <i>kW</i> | <i>hp</i> | |
| 9,5 ÷ 16,5 | 13 ÷ 22 | GREEN |
| 16,75 ÷ 21,25 | 23 ÷ 29 | WHITE |
| 21,5 ÷ 30 | 29,5 ÷ 41 | RED |

| | |
|----------------|---|
| Example | A. Fiat Doblò 1.6 76 kW 4 cylinders |
| | B. $76 \div 4 = 19$ kW |
| | C. Corresponds to the WHITE sector in the table |
| | D. Install the WHITE electro-injectors |

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