

POPULAR *line*

Maris
STELLA

For Clients looking
for economical solutions

Intelligent auto calibration

Fast assembly

NOVELTY
2013



4th generation sequential gas injection system

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ELPIGAZ
AUTOMOTIVE



Stella Maris is a sequential gas injection system that is fast and easy to assemble. It belongs to **POPULARLine** group of products, dedicated to Clients who are looking for economical solutions.

PRODUCT APPLICATION

Stella MARIS is dedicated to petrol engines with LPG or CNG gas.

Wide number of functions in Stella Maris place this system in a leading position among low budget gas installations. It is suitable for cars with 2,3,4 cylinders multipoint petrol injection engines with power from 20 HP to 250 HP.

PRODUCT ADVANTAGES

- ✓ Equipped with all necessary sensors:
 - reducer temperature sensor
 - gas pressure and temperature sensor (MAP)
- ✓ Autodaptation ECU
- ✓ Fast assembly and connection
- ✓ Diagnostic of petrol injections disconnection
- ✓ Connection with PC via USB interface
- ✓ Intelligent calibration in actual running time
 - automatic choice of characteristics of engine run on gas, based on actual petrol injection map registered during test drive
- ✓ Patented petrol injection emulation(AEB)
- ✓ Equal driving parameters on gas as on petrol
- ✓ Downloading necessary signals from injectors and sensors



RECOMMENDED COMPLETION

Drago and Cometa-i reducers

- ✓ lowest gas consumption
- ✓ fast switching from petrol to gas

Rosso and I-plus Arco injectors

- ✓ even and precise injection
- ✓ inexpensive and easy service

HIT and MoreMo tanks

- ✓ wide range of dimensions
- ✓ low weight and quick assembly

Tank equipment MVA Elpigaz AT02

- ✓ mounting in various positions (lying, hanging or standing)
- ✓ easy assembly



STELLA MARIS CONTROL UNIT
CONNECTION DIAGRAM

TECHNICAL PARAMETRES

- ✓ Supply voltage: $V_{batt} = 10 \div 16V$
- ✓ Operating temperature: $-40 \div 125^{\circ}C$
- ✓ Current absorption with the actuators disabled: $I_{max} \leq 0,5A$
- ✓ Current absorption in standby mode: $I_{standby} \approx 5mA$
- ✓ Injectors: $I_{max} = 6A$, $V_{batt, max} = 16V$
- ✓ Gas valves(2 outputs)
 - $P_{max} = 50W$, $I_{max} = 4A$ (common output)
 - $P_{max} = 25W$, $I_{max} = 2A$ (separate outputs)
 - gas pressure: $P_{max} = 4,5 Bar$