

Selection of Injectors BlueTech &GreenTech

The selection of the injectors' type between Greentech or Bluetech for vehicle engine depends on its Cylindrical Cubic Capacity and type of engine charging. The general rule says as follows:

1. choose **A** injector type, if the Cylindrical Cubic Capacity per ONE cylinder is $< 400 \text{ cm}^3$,
2. choose **B** injector type, if the Cylindrical Cubic Capacity per ONE cylinder $\geq 400 \text{ cm}^3$
3. choose **C** injector type, if the engine is supercharged or power of ONE cylinder is $>40 \text{ HP}$,

Below please find a Chart to help you make the selection of injector type depending of the number of engine cylinders.

Chart 3.1.

Mode of selection of gas injectors GreenTech and Blue Tech.

Number of cylinders	Engine Cubic Capacity	Injector Type
4 cylinders	$\leq 1600 \text{ cm}^3$	A ($\Phi= 1,8$)
	$> 1601 \text{ cm}^3$	B ($\Phi= 2,2$)
	Supercharged engines or $>160 \text{ HP}$	C ($\Phi= 2,6$)
6 cylinders	$\leq 2500 \text{ cm}^3$	A
	$> 2501 \text{ cm}^3$	B
	Supercharged engines or $>240 \text{ HP}$	C
8 cylinders	$\leq 3200 \text{ cm}^3$	A
	$> 3201 \text{ cm}^3$	B
	Supercharged engines or $>320 \text{ HP}$	C

CAUTION!

In case of the replacement of a defective injector, a special attention should be paid not only on the injectors' type (A, B or C), but on its flow capacity as well. It means that the injector that is to be replaced, e.g.: A14+, should be replaced with the same type A14+ ONLY (not with any other A type injector). The efficiency of every injector is marked on its housing.

Selection of screw plugs (Pegas and Valtec).

Chart 3.2.

The selection of nozzles screwed into inlet collector for Pegas and Valtec injection rails.

Engine Cubic Capacity (cm ³)	Diameter (mm)
< 1500	2.5
1500 - 1800	3.0
1800 - 2500	3.5
> 2500 and supercharged	4.0

CAUTION!!!

For the vehicles of French production the nozzle should be selected according to the following:

$$\text{Nozzle diameter (mm)} = \text{Engine Cubic Capacity (dm}^3\text{)} + 0,4$$

e.g.: for a car with engine capacity of 1200 cm³:

Nozzle diameter = 1,2 + 0,4 = 1,6 mm

Chart 3.3.

Recommended diameters of connecting rubber hoses.

Connection Spot	Inner diameter (mm)
Reducer – Gas Dispenser	Ø 13
Gas Dispenser - Injectors	Ø 8
Injectors – Manifold	Ø 5
MAP sensor – Gas Dispenser	Ø 4