

# TEST BENCH

for Common Rail Injectors



# AZPI

QUALITY PROGRESS PROSPECTS

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## forTest CRi

### State-of-the-art test bench

Diagnostics of volume capacity of electrically operated diesel injectors manufactured by AZPI, Bosch, Denso, Delphi and piezoelectric injectors as Piezo Bosch, Piezo Siemens, Denso, Delphi.

IMA coding of electromagnetic and piezo injectors manufactured by Bosch.

QR coding of electromagnetic Denso injectors, C2I and C3I coding of Delphi injectors.

### Professional decision

### Tested in a production environment

Compact size.

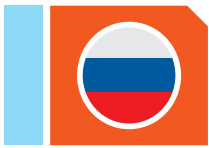
Independent refrigeration compression-condensing unit.

Solution for authorized service centers.

Makes possible to test more than 4000 injectors per month at production site.

# TEST BENCH

## for Common Rail Injectors



**Manufactured in Russia**



**Manufacturer warranty**



**Technical support**



**All spare parts are available**

### Bench for testing of capacity of Common Rail injectors for Test CRi guarantees

- Activation of electromagnetic Common Rail injectors for passenger cars (14V) and trucks (28V).
- Integrated test plans for electromagnetic injectors (manufactured by AZPI, Bosch, Denso, Delphi, Piezo) and possibility to create user's test plans.
- Continuous measurement of volume capacity across all measurement channels simultaneously.
- Automatic control of test fluid temperature.
- Automatic control of ramp pressure.
- Hardware and software overcurrent protection of injectors and pressure regulators.
- Safe operating of the bench.

### Technical characteristics

Quantity of simultaneously tested injectors.....	4 pcs.*
Main electric motor power.....	5,5 kW
Rated speed of electric motor.....	1425 min
Fuel-tank capacity.....	30 l
Power supply voltage.....	380 V
Temperature control of test fluid in the tank.....	0–85 °C
Control and electronic measurement of test fluid pressure in the Rail within.....	0–2400 bar
Measurement range of fluid flow in each channel.....	0,5–400,0 cm <sup>3</sup> /min
Measurement resolution.....	0,1 cm <sup>3</sup> /min
Main relative measurement error:	
Range 0,5...10 cm <sup>3</sup> /min.....	5 %
Range 10...50 cm <sup>3</sup> /min.....	3 %
Range 50...400 cm <sup>3</sup> /min.....	1 %
Protection glass.....	8 mm
Length / width / height.....	660 / 1500 / 1490 mm

\* Also there is a design version for testing of one injector

OOO UK AZPI  
(Altai Precision Components Plant)  
is Russia's leading manufacturer of fuel injection equipment for diesel engines of all types meeting international environmental standards