

ANCEL ANJ400 Car Fuel Injector Cleaner



Model: ANJ400

Manufacturer: ANCEL

EAN: 6978281190175

Product Code: 920766

R9,345

ANCEL ANJ400 Automotive Fuel Injector Cleaning Machine

The ANCEL ANJ400 is a professional device for cleaning and testing fuel injectors that combines ultrasonic cleaning technology with microprocessor-controlled fuel pressure regulation. It enables the diagnosis, testing, and maintenance of gasoline injectors in a single location, streamlining daily workshop operations. The unit supports, among other functions, ultrasonic cleaning, leak testing, injection flow testing, atomization testing, and simulation of various engine operating conditions. With an operating pressure of up to 8 bar, adjustable operating parameters, and a digital display, it allows for a thorough analysis of the injectors' condition and faster detection of fuel system issues.

Ultrasonic cleaning that effectively removes deposits

The device uses ultrasonic waves to effectively remove carbon deposits and contaminants from the surfaces of the injectors. The technology used allows for thorough cleaning of even hard-to-reach areas and recesses, which improves injector performance and helps restore them to proper

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operation. The integrated ultrasonic cleaner enhances ease of use and streamlines the entire cleaning process.

Injector Spray, Flow, and Leak Tests

The ANCEL ANJ400 enables several types of diagnostic tests to accurately assess the condition of the injectors. The spray pattern/uniformity test allows you to compare the performance of individual injectors and observe the quality of fuel atomization using backlighting. The injection flow test allows you to check the amount of fuel delivered by the injector over a 15-second operating period, which helps detect wear or blockages. A leak test is also available, allowing you to check for leaks and assess the condition of the needle valve under system pressure.

Engine operation simulation and tests of various modes

The device offers the ability to test injectors under various engine operating conditions. Simulation modes include, among others, acceleration, deceleration, and acceleration-deceleration tests, enabling a more comprehensive analysis. The simulated RPM range is from 100 to 9,900 rpm, making it possible to verify the operation of the fuel system under various engine load conditions.

Support for Low-Resistance Injectors and Backflushing

Thanks to its dedicated ANJ400 motherboard, the system enables comprehensive and long-term testing of low-resistance fuel injectors, such as those with a resistance of 1Ω. The device also supports backflushing, which helps remove contaminants trapped inside the injector and on the filter.

Automatic parameter control and user-friendly operation

The device utilizes microcomputer-based automatic control technology and a digital display that allows for real-time monitoring of operating parameters. The user can also adjust fuel pressure, pulse width, and engine simulation parameters. The manufacturer has also implemented an automatic fuel system pressure relief feature in the event of a sudden power shutdown, which enhances operational safety and helps protect components from damage.

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A wide range of adapters and compatibility with various types of injectors

The ANCEL ANJ400 is equipped with an extensive set of adapters and connectors, enabling it to work with various types of injectors, including GDI, EFI, MPI, and SFI. The kit includes, among other items, GDI adapters, pulse cables, fuel lines, standard connectors, and mounting hardware needed for testing and cleaning fuel systems. This allows the device to be used with a wide range of vehicle models.

Included in the set

- Fuel injector tester and cleaner
- Adjustment screw x2
- Fuel funnel
- Fuel hose
- Injector washer, 11 x 4 in diameter
- Flat injector plate, 14 x 4 in diameter
- Injector pulse cable (4 injectors)
- Power cable
- Special cable x4
- Upper injector rail
- Sealing ring for connectors (7.52 x 3.53) x10
- R1/4 plug x3
- European standard connectors, 13.6 in diameter x4
- Standard connectors, 10.6 in diameter x4
- Mercedes-Benz mechanical injector connector (M12x1.5) x4
- 12.5-diameter injector connector (GDI) x4
- 9.8-diameter injector connector (GDI) x4
- M18 injector connector (GDI) x4
- Tool kit

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Device type	Injector cleaning and testing device
Power supply	AC 220 V $\pm 10\%$, 50 Hz / 60 Hz or AC 110 V $\pm 10\%$, 60 Hz (EU and US standards)
Input power	230 W
Ultrasonic Cleaner Power	100 W (38–39 kHz)
Resistance Test Accuracy	0.1 Ω
Simulated RPM Range	100–9,900 rpm (increment: 10 rpm)
Time range	5–300 s (increment: 5 s)
Pulse width	0–30 ms
Speed	0–9,975 rpm
Fuel tank capacity	2,400 ml
Operating pressure	0–8 bar (adjustable)
Display	Digital screen
Supported injectors	Electromagnetic injectors (EFI, GDI, etc.); this product does not support piezoelectric injectors
Operating temperature	From -10°C to 40°C
Relative humidity	85%
Supported functions	Ultrasonic cleaning, resistance test, uniformity/atomization test, leak test, injection flow test, operating mode test, on-vehicle cleaning, backflushing, low-resistance injector test, automatic test, manual test, fluid drainage from the solenoid valve

GPSR Link: https://psr-assets.innpro.pl/car_accessories/sg_car_accessories_diagnostic_tools.pdf,

Gross weight: 11780, Box length: 42,00, Box width: 33,00, Box height: 42,00, Net weight: 8650,

Information about data generation: <https://dataact.innpro.pl/ANCEL/6978281190175>, PPWR:

<https://ppwr.innpro.pl/ancel>

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