Fuel supply system



Improved COLD STARTING

COMPATIBILITY WITH A WIDE VARIETY OF FUELS

PRODUCT ADVANTAGES

- → ***The same technical specifications as the original pumps for assembly, operation and durability***
- → ***Improvement of the electrical insulation for increased safety***
- → ***Low noise level***
- → ***Easy assembly***

With its 91 products, the range of **Eurorepar fuel supply and measurement systems** is designed to **cater to most of your shop admissions**.

The fuel supply system provides the exact amount of fuel for the proper combustion of the engine. It also improves the cold starting capacity.

That is why we pay **great attention to this type of part**. The tests that were conducted on the Eurorepar fuel supply and measurement systems **are approved by our experts**.

TECHNICAL SPECIFICATIONS

Wide range of 91 products including:

- **65 power supply units** (complete module)
- **18 float arms** (fuel level gauge)
- **8 fuel delivery pumps**



OPERATION

The fuel supply system differs depending on the fuel used. However, regardless of the fuel it enables:

- **Engine fuelling**: guarantees good fuel flow, appropriate pressure, a suitable temperature and removes impurities from the fuel through a filter.
- **The gauging system:** sensor installed in the fuel tank which allows the real-time display of the amount of fuel remaining.
- **The display is calculated based on several parameters**: this is gauge theory, it depends on the tank and on the engine.

Please note: the fuel system complies with the safety and clean-up regulations

ADDITIONAL SALES

In the event of a fuel pump replacement:
systematically change the fuel filter to prolong the life of the fuel pump.

CONDITIONS FOR REPLACEMENT

- The engine does not start, or starts briefly then stops: impurities in the tank, clogged filter screen.
- The pump is not allowing fuel to flow: pump short-circuit.
- engine acceleration irregularity, maximum engine performance is not achieved: the fuel pressure or flow is too low.
- The pump unexpectedly stops working: wear and tear of the pump.
- The engine does not restart after having been shut off for a prolonged period of time: the pumping mechanism is eroded.

Our parts are guaranteed for 2 years*

SECURE LABELS — Avoids any risk to fake parts and guarantees their quality.

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Our parts are guaranteed 2 years* against any manufacturing or material defect.**
(*) For Citroën, DS, Opel, Peugeot, Vauxhall, Eurorepar Car Service repair networks: the warranty runs for 2 years, parts AND labour included.
(**) For the conditions of application, contact your dealer.

GLOBAL PERFORMANCE

- Rotor balanced to **minimise noise and shaking**.
- Turbine technology providing fuel at a minimal pressure pulsation for a **quieter operation**.
- Check valve to **maintain constant system pressure**
- In order to stabilise the pressure of the supply, the system is equipped with a **pressure regulator** (pressure regulator set to 3.5 bar for indirect injection and 5 bar for direct injection).
- **Dump valve** for protecting the fuel supply system.
- Brushes designed to have a **long life**
- **Integrated turbine pump** : immersed in the fuel which cools and lubricates it.
- **Standard components**
- **Decreased radio interference** in the vehicle from the various electrical systems and accessories
- The coating of the component and their material, **designed for different fuels**



QUALITY

All our fuel pumps are individually tested.

- For pressure / flow / power consumption / impermeability

Validation process

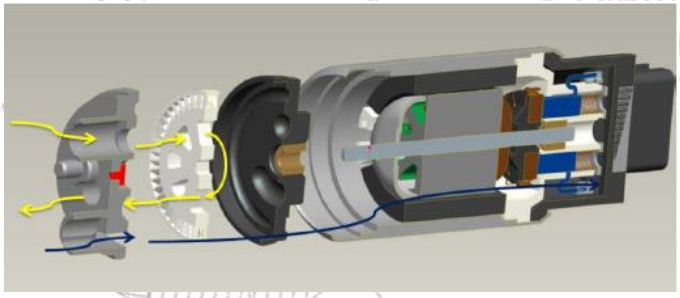
- Ease of assembly / Performance / Lifetime

DID YOU KNOW?

Excessive use of additives has a negative impact due to the increased number of impurities and solid particles in the tank.

GAUGING

The amount of fuel is measured by the gauge module by using a variable resistance depending on the movement of the float arm (detection of the minimum level and all fuel supply)



THE PUMP IS INTEGRATED INTO A GAUGE MODULE

The pump allows the fuel to flow through the pipes/system with a flow that is superior to that which is required by the engine





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