



Petrotec

EURO 1500 VI BLENDER



STANDARD SPECIFICATIONS

Construction:

Frame: Galvanised carbon steel; double coated painting.
Housing: Stainless steel (AISI 316).
Panels: Aluminium; double coated painting.

Suction Pump:

Monoblock, with gas separator and non-return valve.

Meter:

Double-action positive displacement.
Volume meter with 4 pistons.
Accuracy: $\pm 0,2\%$.

Filter:

Stainless steel, reusable, 100 μ m mesh filter easy to clean.

Motor:

Eexd Motor single or three phase, 50/60 Hz with built in thermal protection.

Hose:

7/8" Slimline 21 BIO

Nozzle:

Automatic ZVA 4.0

Weight:

200Kg

OPTIONS:

- DISPENSER / SUBMERGE
- SINGLEPHASE SUPPLY
- SIGHT GLASS
- BREAKAWAY IN THE NOZZLE OR HOSE
- COLOUR HOSES AND SLEEVES
- CUSTOMISED PAINTED PANELS
- INTERFACES TO OTHER EQUIPMENT
- CIRCUIT BREAKERS IN THE EQUIPMENT
- FLEXIBLE PIPE
- ELECTRONICS HEATER
- FOUNDATIONS FRAME



COMMERCIAL LINE EURO 1500 VI BLENDER

Euro 1500 VI Blender is ideal to individual or fleet use, quick and effective refueling, enabling the direct blend of Biodiesel and Diesel, out of different predetermined percentages.



C.E.C.O.D
COMMITTEE OF EUROPEAN MANUFACTURERS
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Petrotec

Petrotec Group

In one of the most important economy sectors, Petrotec Group is one of its greatest references, due to the fact that it is one of the five largest manufacturers of the world, concerning the production of equipments to the oil industry distribution and retail, and the only one offering global solutions.

It has achieved its status and prestige on its own with no further than two decades of activity. With more than four hundred collaborators and several branches operating in four continents, Petrotec Group has been standing out not only due to its dynamics in a sector which is known by its high competitiveness, but also by the high satisfaction of its clients.

Petrotec Group is proud of belonging, for more than a decade, to the restrict group of manufacturers whose technology is 100 per cent their own, which reflects the technology potential of its research and development departments. It is also important to refer that all the activities are certificated according to the ISO 9001 and ISO 14001 standards.

Petrotec Group's current activity consists of fuel and LPG pumps production, research and development of hardware and software solutions, especially conceived or adapted to each client's specific needs, management and control systems in filling stations, car wash equipments, solutions for garages and maintenance services.

The largest oil companies of the world are some of Petrotec Group's clients, which has brought to it great pride and prestige. The aims are not only to consolidate but mainly to strengthen the already excellent position Petrotec Group occupies in the market. Thus it is trying to enlarge the distribution network as well as to develop partnerships in new markets.

EURO 1500 VI BLENDER

In highly competitive and demanding markets, achieving product differentiation is not a mere luxury; rather, it becomes a must. And that's precisely the type of context that led us to introduce Petrotec's new Euro 1500 VI Blender petrol pump.

The Euro 1500 VI Blender was specifically developed to run in privately-held petrol stations (own fleet supply) and is equipped with two suction pumps and two flow meters, one for Diesel and another for Biodiesel, enabling the blending process of Biodiesel and Diesel, inside the pump.

The control and monitoring efficiency of the system is based on a Hardware/Software solution that enables the filling of different percentages of Biodiesel in one of the hoses (60 L/Min). In addition, it permits the use of a second hose for "pure" Diesel (80 L/Min), which hasn't been blended with Biodiesel, aiming the cases where the vehicle doesn't support the filling of these kind of mixtures.

This equipment can dispense up to 4 different blending percentages, out of 10 preset Biodiesel grades, i.e., 10%, 15%, 20%, 30%, 40%, 50%, 60%, 70%, 80% and 100% grade. In a first stage, the usage of the different percentages of blending enables the adjustment of the vehicles to the Biodiesel in a gradual way and, on the other hand, defines fixed percentages so that the vehicles may be refuelled according to the manufacturer's warranty specifications.

The control system is based on the usage of high performance proportional valves that are constantly being monitored by the Hardware/Software of the pump. The individual totalizer applied in each meter makes possible the exact reading of the supplied volumes.

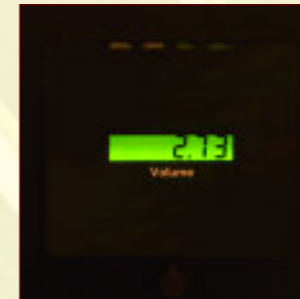
The components employed in the Euro 1500 VI Blender are tested and approved to cope up to B100 (100% Biodiesel), allowing Petrotec to ensure the reliability and endurance of the equipment.

This wide range of features provides the Euro 1500 VI Blender with a longer life cycle, which, consequently, translates into higher profitability.

Even its internal parts and components were designed aiming the effectiveness by allowing quick servicing.

However, the highest quality manufacture standards can be also seen on the outside, since the Euro 1500 VI Blender series technology is protected by a hermetic stainless steel outer covering, which guarantees its performance against the harshest environmental conditions.

- Excellent price/quality relation;
- Extraordinary reliability of its components;
- High quality manufacture standards;
- High flow rate levels;
- Modern and attractive compact design.



SUCTION PUMP

- Monoblock fuel pump developed and produced by Petrotec, "RTF" model, of positive-displacement, high robustness;
- Integrated gas separator;
- Non-return valve integrated in the outlet;
- Bypass adjustable up to 3,5 bar;
- Pump activated by a pulley and Vbelt, temperature and hydrocarbonates proof, as well as by a flame proof motor;
- Tri-phase or single-phase connection, of 50 or 60 Hz;
- Stainless steel reusable 100mm suction filter;
- Ability to prime, with connection to the mechanical installation through a 400mm flexible pipe, or rigid pipes in dispenser case.

TECHNICAL SPECIFICATIONS

- Diesel Maximum Flow Rate: 80 L/Minute
- Blender Maximum Flow Rate: 60 L/Minute
- Minimum Flow Rate: 5 L/Minute
- Pump Speed: 900/1470 r.p.m.
- Electric Motor: 1 KW
- Pressure: 2.2 bar

FLOW METER

- Petrotec Flow Meter, PTF25-80 model, per hose;
- The most reliable and the safest in the market, with decades of experience and high measuring accuracy, of about $\pm 0,2\%$, which is possible only to the 4 pistons meters;
- Positive-displacement meter, which assures, even in great streams, a continuous checking through the years.

TECHNICAL SPECIFICATIONS

- Precision: $\pm 0,2\%$
- Maximum Pressure: 3 bar
- Maximum Flow Rate: 130 L/Minute
- Minimum Flow Rate: 2.5 L/Minute
- Volume per Revolution: 0.5 L