Product Catalog

2017
Europump International founded in 1994 by James Tuner to manufacture petroleum equipments. Today Europump is known as a world leader in Petroleum and also alternative fuel technologies, such as LPG and CNG. Thanks to our production capacity and high technology, we offer the best value of products and services.

With the help of our worldwide offices around the globe, we are also offering customers a complete range of FUEL, LPG and CNG dispensers and pumps, automation systems, replacement parts and a full range of support services, including gas service station construction and maintenance.
EUROSTAR LPG Dispensers

Europump has been producing LPG Dispensers since 1998. This experience makes our dispensers one of best quality and reliable LPG dispensers in the market. Our dispenser series are stylish, modern and well designed for efficient usage.

LPG Dispenser Models

Our models have several options to meet the technical and regulatory approval requirements of different countries. Stylish stainless steel or painted galvanize frames, IEC wiring methods to Zone 1 hazardous locations, with CE approved components, and special European approvals (like MID, PTB, ATEX and Gost) are available on selected models.

Main Features:

- ATEX and MID Certified design.
- Single, Dual or Quadro nozzle configurations.
- Two different measurement technology options:
  - High accuracy and 4-piston Positive Displacement MT100B* meters Made in Italy.
  - Coriolis mass flow meters** Made in Switzerland
- Advanced electronic dispenser computer with Backlit Displays.
- Customer friendly field programming via alpha-numeric keypad.
- Industry standard interface for automation systems.
- Automatic Temperature Compensation (ATC) according to ASTM tables.
- Electronic or mechanical calibration options.
- Volume, Amount or Mass** pre-programmed filling.
- Stainless steel or painted galvanize frame options.
- Optional MicroSDHC Card support for reports and logs.
- Optional Reciept Printer Support.
- Optional Multimedia Addons

MT100B* is volumetric type flow meter with piston. It has been specifically manufactured from its Italian origins to measure the flow of LP Gas in the liquid phase, and may also be used for many other liquids. The design and materials used assure good wear and corrosion resistance, accuracy in the measurement of any delivery level, steadiness and low maintenance costs.

Main Features:

- High quality Italian Casting.
- Excellent operational safety – reliable under extreme ambient conditions
- High accuracy of volume measurement even with low flows.

Coriolis mass flow meters** are vectorial devices for flow measurement of LPG for dispensing and truck unloading. They measure an integrated temperature measurement with intelligent conversion functions, providing temperature, mass, density or volume measurement or correction directly on dispenser.

Main Features:

- Excellent operational safety – reliable under extreme ambient conditions
- Fewer process measuring points – multivariable measurement (mass, volume, density and temperature)
- Less maintenance requirements
- Easy operation – reduced to application needs

Eurostar LPG Equipments

MT100B

Eurostar Tn-SL

Eurostar Tn-XM Multimedia

Eurostar En-SL

Eurostar En-SM

Eurostar En-FL
Europump LPG Skid filling station solutions is specially designed for people who are looking for compact and ready to go solutions to fill LPG to cars or cylinders.

Main Features:

- Ready to work autogas station solution on steel chassis.
- Quick setup and site engineering.
- Low investment costs.
- Simple layout and maximum safety.
- The plant can be made independent from external power supply (for example in rural areas) with LPG/NG Generator.
- Easy to operate. Includes all necessary equipment for safe and reliable filling operation.
- Minimum workshop and engineering at site.
- Quick return of investment.
- Modular design: Our LPG skid stations are modularly designed so they can be customized according to customer needs. It can be consists of following components and features:

### LPG Storage Tank

- **Capacity:** m³
- **Dimensions:** mm
- **Design Pressure:** bar
- **Test Pressure:** bar
- **Temperature Range:** °C
- **Design Code:**

### LPG Pumping Unit

- **Brand and Model:** PRO/LPG RT150
- **Pump Type:** Turbine Side Channel
- **Flow Rate:** lt/min
- **Inlet - Outlet:** 1 1/2” - 1” 2 1/2” - 1 1/4”
- **Working Pressure:** bar
- **Differential Pressure:** bar
- **Casting:** GG40 GG35
- **Motor:** 3.5 Kw or 5.5 Kw or 7.5kw, Exproof 1450 @ 50Hz
- **Design Code:** AD CODE 2000, EN 13445, EN 10028-3

### Filling Unit

- **Unit Type:** Classic Eurostar, Eurostar LPG Dispenser with mass meter, Mechanical, Electronic Filling Scale
- **Measurement System:** Flow meter, Coriolis mass flow meter
- **Volume Measurement:** Liter / Gallon
- **Density Measurement:** Kilogram
- **Temperature Measurement:** °C
- **Compensated Volume:**
- **Filling Nozzles:** 1 - 4
- **Automation Software:**

### Control Panel

- **Tank Level Monitoring:**
- **Alarms for Low Level and High Levels of Tank Liquid:**
- **Gas Sensor Alarms:**
- **Pump and Dispenser phase controls:**
- **Emergency key button:**
- **Three phase electricity control:**

### Gas Leakage Sensor

- **Detection Method:**

### Fire Extinguisher

- **Type:**
- **Connection:**

### Transfer Pump

- **Tank Level Gauge:**
- **Tank Level Probe:**
- **Water Sprinkler:**
Pumps and Bypass Valves

Pumps

Pumps can be think as heart of a LPG Station or Application. It is very important to select suitable product for your needs. We have various options for you from truck applications to station applications. So please contact us before you invest on a project.

RT150 Turbine Pump

<table>
<thead>
<tr>
<th>Brand and Model</th>
<th>PROLPG RT150</th>
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<tbody>
<tr>
<td>Pump Type</td>
<td>Turbine</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>50 - 130</td>
</tr>
<tr>
<td>Inlet - Outlet</td>
<td>1 1/2&quot; - 1&quot;</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>27.6</td>
</tr>
<tr>
<td>Differential Pressure</td>
<td>17.2</td>
</tr>
<tr>
<td>Casting</td>
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Sliding Vane Pump

Sliding vane design is ideal for butane, propane, anhydrous ammonia, propellants, refrigerants and similar liquefied gases and are widely used for cylinder filling, meter reading, bulk transfer, storage, and liquids and transport. Pump models are available in 1 to 4-inch connection sizes and flow rates from 57 lt/min to 1300 lt/min options.

Bypass Valve

Bypass valves are designed to protect pumps and hydraulic system components from excessive pressure by adjusting differential pressure of system. Different pressure setting is available from 95 psi to 115 psi.

LPG Compressors

Eurpump offers oil-free gas compressors deliver high efficiency in handling propane, butane, anhydrous ammonia and other liquefied gases. They are also ideal for rail car unloading and vapor recovery applications. All parts are designed to give maximum performance and reliability under the most severe service conditions. All pressure parts are of ductile iron construction for greater resilience to both thermal and mechanical shock. They are designed for ease of maintenance, with all components readily accessible.

Models are available with capacities from 7 to 125 cfm (11.9 to 212 m3/h) with working pressure up to 425 psia (29.31 Bar).

LPG Flow Meters for Bulk Transfer

These meters are designed for high flow LPG transfer applications like truck unloading. Different models are available from mechanical ones to mass flow meters. Flow rates from 120 lt/min to 500 lt/min.

PD Meters with Mechanical Register

Basic flow meter for volume measurement. It can also work with a mechanical printer.

PD Meters with Electronic Register

Cost effective device for volume measurement. Temperature compensation, automation connections, electronic printer, external valve and predefined fillings are possible.

Mass Flow Meters with Electronic Register

Most advanced and accurate way to measure fluids.

Main Features:

- Electronic calibration
- Serial Printer support
- Reset Fillings
- RFID Card reader
- SD Card support
- Pressure Sensor

LPG Equipments

LPG Equipments

Pumps and Bypass Valves

Bypass Valve

RT150 Turbine Pump

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Most advanced and accurate way to measure fluids.

Main Features:

- Electronic calibration
- Serial Printer support
- Reset Fillings
- RFID Card reader
- SD Card support
- Pressure Sensor
EUROSTAR Fuel Dispensers

Fuel Dispensers are key equipment for success of your petroleum stations. Our experience in petroleum equipments helps us to create one of the most reliable and long life fuel dispenser series in the market.

Main Features:
- Stand-alone design (fully self-contained electronics)
- Single, Dual, Quadro, Six or Eight filling point configurations
- Long Life hydraulic systems
- Industry standard fuel nozzles with safety breakaways
- Stainless steel or painted iron cabinet options
- Eurostar electronic computers with backlit Displays
- Field programming via alpha-numeric keypad
- Integrated Money and Volume totalizers
- Interface availability with Wayne-Dart compatible automation systems
- Automatic Temperature Compensation (ATC)
- Electronic Calibration
- Available Pre-set Fill as Volume or Amount
- Multimedia Add-ons

Eurostar EE and DE Series

<table>
<thead>
<tr>
<th>Nozzle Configurations</th>
<th>1 Product 1 Nozzle 2 Display</th>
<th>1 Product 2 Nozzle 2 Display</th>
<th>2 Product 2 Nozzle 2 Display</th>
<th>2 Product 2 Nozzle 4 Display</th>
<th>3 Product 6 Nozzle 2 Display</th>
<th>4 Product 8 Nozzle 2 Display</th>
<th>4 Product 8 Nozzle 4 Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>45 x 100 x 200 (h)</td>
<td>45 x 120 x 200 (h)</td>
<td>45 x 100 x 200 (h)</td>
<td>45 x 90 x 200 (h)</td>
<td>45 x 110 x 250 (h)</td>
<td>45 x 90 x 200 (h)</td>
<td>45 x 90 x 200 (h)</td>
</tr>
<tr>
<td>Number of Display pcs</td>
<td>2 - 4</td>
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</tr>
<tr>
<td>Pumping System</td>
<td>EE with suction pump</td>
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<tr>
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<td>50 - 110 lt/min</td>
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Pumping System
- EE with suction pump
- DE without Pump

Flow Rate
- 50 - 110 btu/min
- 120 btu/min

Eurostar EO and DO Series

<table>
<thead>
<tr>
<th>Nozzle Configurations</th>
<th>1 Product 1 Nozzle 2 Display</th>
<th>1 Product 2 Nozzle 2 Display</th>
<th>2 Product 2 Nozzle 4 Display</th>
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Mobile Fuel Stations

Main Features:
- Tank with a capacity of 18 m3 or 45 m3
- The fuel dispenser in the mobile stations can be with one or two nozzle options
- Containers size is 20 feet (2438x2590x6058 mm) or 40 feet (2438x2590x12235 mm).
- Container door can be locked and has a standard mechanism that thumb turn.
- Fire extinguisher with a capacity of 12 kg has a pressure gauge dry chemical powder with ABC powder.
- Ex-proof lighting system (Ex-proof on-off switch and emergency stop switch, etc.) and electrical control panel will be present.
- Against the voltage dips or spikes, 2KW A regulator to protect the fuel pump.
- Upper level float switch system that prevent overflow.
- Check valve that make easier to suction in fuel pump and easier suction installation.
- Tamento Tank and Tamento galvanized pipes filling installation, ventilation and installation of the pump section will be galvanized.
- Mechanical float transmitter and electronic level gauge with electronic panel.
- Tankering Filling instructions and warning signs (non-smoking, turn off your mobile phone, etc.).
Calibration Equipments

Calibration is the process of finding a relationship between two quantities that are unknown (where the measurable quantities are not given a particular value for the amount considered or found a standard for the quantity). When one of quantity is known, which is made or set with one device, another measurement is made in similar way as possible with the first device using a second device. Europump is one of the oldest manufacturers and seller for calibration devices for fuel and LPG.

- **LPG Mastermeter**
  - Europump LPG Mastermeter, used for calibration and measurement of commercial LPG Dispensers in the right, fast and efficient device.
  - Electronic Mastermeters include LPG Automatic Temperature Correction). With mastermeter remain it is also possible to measure mass and density simultaneously.
  - Europump mastermeter is proven in operation by many weight and measure authorities of many governments like Poland and Turkey.

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- **ThermoDensiometer**
  - Portable instrument for determining the vapor pressure and the weight of liquefied petroleum gas (LPG).
  - With this kind of equipment it is possible to determine simultaneously the vapor pressure and the weight of the liquid with a single reading. Rely on the data with value of pressure measured on pressure gauge it is possible to determine percentage of propane and butane in LPG mix.
  - Technical Data :
    - Hydrometer ASTM10-10
      - Density range: 0.500 - 0.650 kg/m³
      - Scale division: 1 kg/m³
      - Error limits: ± 1 kg/m³
    - Thermometer: 0+35 °C in 0.5 0C
      - Filling: Hg error limit: ± 0.5 °C
  - Technical Data :
    - Hydrometer DIN12804
      - Scale division: 0.0005 g/cm³
      - Error limit: ±0.0005 g/cm³
      - Thermometer: 0+30 °C in 0.5 0C
      - Filling: Hg error limit: ± 0.5 °C

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- **Portable Octane and Cetane Analyzer**
  - ZX-101XL can tell (you) if you are reading Gasoline or E85 or Blended Fuel helping you quickly measure any kind of fuel where you need it most. When you need it most.

- **Volumetric Power for Fuel**
  - Volumetric Fuel Provers are easy to use and reliable calibration equipments for fuel stations.

- **ThermoDensiometer**
  - Portable instrument for determining the vapor pressure and the weight of liquefied petroleum gas (LPG).
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Automation Solutions

Main principle of automation system is the connection and control of all fuel equipments in the station to an interface units which are connected to the controller computer. Main software can control dispensers, trailers or hydrants, storage tanks, sensors, camera etc...

The extensive experience gathered by EUROPUMP in the automation systems market makes it as a first choice in petroleum automation applications.

Station Automations :
- Pump automation
- Tank automation
- Customer and Vehicle Identification System
- Station market and Accounting software
- DVR and Camera system
- Tanker Delivery Integration
- PDA and Web Reporting tools

Tanker truck Automations :
- Liquid fuel tanker truck automation
- LPG tanker truck automation
- Tanker truck over satellite
- DVR Modules
Europump Worldwide Offices

Europump International is a worldwide network with a presence in many regions of the world. This helps us to serve our customers more efficiently. To get more information about any Europump International office, please choose from the following regions.

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