



WHY SUBMERSIBLE PUMPS?

- Feasible investment costs
- Low maintenance cost
- Leakage control
- High output flow
- Quiet operational environment
- Lower underground installation investment

Fuel stations danger zone categorizations:

Zone 0 : Inside of any manhole and fuel tank which consist of tank filling connections. (In this zone there is always fuel vapour)

Zone 1 : Pump and inside pump box, near ventilation inlets, partial or underground well holes and other open areas.

Zone 2 : Any flow that could sometimes occur or any station and equipment that contacts with the fuel and pervasive vapour that could affect other areas.

E. BARBERO Product Features:

GROUNDING CABLE:

Submersible pumps used in fuel tanks should be safe because it is being used in ex-proof zone 0. Therefore grounding Barbero submersible pumps should be directly done from submersible motor grounding cable.

THERMIC PROBE – RUN DRY PROTECTION:

Submersible pumps, especially when fuel has decreased or totally finished, meaning when they work dry, they become overheated. To avoid over heating in Barbero submersible pumps, there is thermic probe inside the motor. This motor is sensible to over heating, therefore it's over 85 °C the motor contact so the motor out of service.

LEAK DETECTOR:

Leak detector is placed above the head coupling in Barbero submersible pumps and envisaged as a piston type. Also it is not needed to be obtained and it is not a diaphragm type. Piston type leak detectors are much more usable and have a longer life. If necessary, repair could be done.

PISTON TYPE LEAK DETECTORS:

Piston type leak detectors could be used in all type of fuels. It is not necessary to use different detectors for gasoline and diesel. So any fault of workmanship and logistic mistakes done in installation are prevented. If diaphragm was used instead of a detector piston, the air in the system would have been all taken and then leak detector would have been rebuilt by the service on top of the submersible. Whereas, in Barbero submersible pumps, leak detectors are erected and tested during factory production. Because of this, it makes the system work healthy.

most reliable
submersible
pumps...



E. BARBERO PRODUCT FEATURES:



AIR RELEASE SYSTEM

Submersible head has the role of air separation; this is the reason why Barbero submersible leak detector is coupled.



FILTER SYSTEM

Filter is found in Barbero submersible pumps. Filter enables the system to work healthier and makes the dirt out of the fuel before it reaches the dispenser. Filter is made from stainless steel wire and could be easily cleaned.



SEAL SYSTEM

O-Ring seal system is used in Barbero submersible pumps. Because of O-Ring seal system, it works faster and service is given easier. O-Ring seals are long-lasting compared to the other seals.



MOTOR PUMP CARE

Motor-pump cylinder liners are manufactured from stainless steel in Barbero submersible pumps. In other brands it is made of aluminum. So BARBERO submersible pumps are more durable and strong.

E.BARBERO SUBMERSIBLE PUMPS RESULTS:

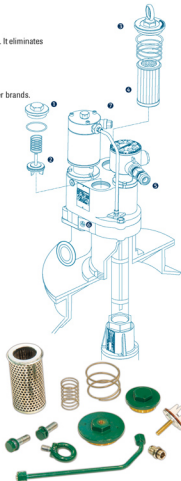
- Leak detector valve is not an option; it is a standard manufacturing montage. It eliminates the mistakes the service might do.
- Leak detector is a piston type; it is adaptable to all kinds of fuel.
- Leak detector is easy to put in circuit and out.
- By Thermic Probe found in the system it is durable and safe.
- The electric joint in Barbero submersible pumps has no socket like the other brands.
- Having no socket, prevents power cut problems that occur overtime.
- The frame is made of stainless steel.
- It has stainless steel fuel filter.

TECHNICAL FEATURES

	E.Barbero
Motor Power	1 ½ HP
Certificates	ATEX, CE, Eexd II75B
Heat Classification	T6
Thermal Protector	YES
Thermic safety for operation start-up	85 °C
Dirt Holding Filter	YES (Optional)
Ex-Glant Entrance	YES

CHARACTERISTICS

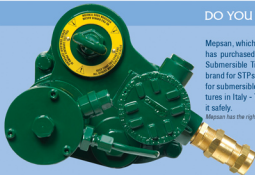
Leak Detector	With Piston
Leak Detection Accuracy	3 Gph
Filter	Available
Siphon Valve	Available
Check Valve	Available
Ex-proof Junction Box	Available
Operational Pressure	2-2.5 Bar
Stand-by mode under low pressure	Available
Volume of Leakage (Standart installation)	~ 200 cc.
Evacuation of Thermal expansion pressure	Available
External motor cooling	Available



*For more technical information you could visit www.mepsan.com.tr

MODELS**BARBERO**

3F	1,1 Kw	400 V 50 Hz
4F	1,5 Kw	400 V 50 Hz
5F	1,8 Kw	400 V 50 Hz

**DO YOU KNOW?**

Mepsan, which has been in the fuel industry sector since 1992, has purchased in year 2007 the property of BARBERO SB/F Submersible Tribune Pumps and the right to use BARBERO brand for STPs, which is one of the three leading manufacturers for submersible pumps in the world. E.BARBERO still manufactures in Italy - Torino and Turkish petroleum retailers are using it safely.

Mepsan has the right to change all the technical features without giving any notice.