AvrAsya Mobile Filling Stations
ABOUT AvrAsya MOBILE FILLING STATION

The concept of automatic device for issuing of liquids was born in accordance with requirements for modern, flexible, operationally safe and environmentally friendly fuel issuing with minimal requirements for construction work. AvrAsya Mobile Filling Station (AMFS) is a result of joint development implemented by our company in close cooperation with leading Turkish experts.

AMFS is a modern self-service device intended for issuing of one type of fuel or (when internal tank is divided) two types of fuel. All technological equipment is mounted in special transport container, which enables easy transportability and fast commissioning.
AvrAsya MILITARY/EMERGENCY BULLET-PROOF MOBILE
FUEL TANKS

AvrAsya has designed a Military/Emergency Mobile Fuel Tank according to EN-1522 including FB-1 to FB-7. Our mobile tanks can be used in any military, civil or emergency zone.

Our Mobile Fuel Tanks have side or top fuel access and pumping systems, manual and electric fuel chargers and pumping systems, anti-explosion fuel tanks, electric and manual distribution systems to be able to refuel and to discharge any military or emergency vehicles without the knowledge of the enemy/terrorist/sabotage elements.

BENEFITS
- Easy to transport on normal transport systems as they are contained inside the normal 40” container size.
- Easy to re-use or to relocate as they are mobile as totally protected as the external container skin is anti-oxidation.
- External fuel tank container skin protected with bullet proof protection panels against indirect/direct light armament attacks as bullets or shrapnel hits.
- Low maintenance servicing programme and easy cleaning.
- Leak detecting device on the tank
### Types Of Mobile Filling Systems

<table>
<thead>
<tr>
<th>Type Description</th>
<th>10-foot Series</th>
<th>20-foot Series</th>
<th>40-foot Series</th>
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</thead>
<tbody>
<tr>
<td>I. Petrol station system with filling pump integrated into the long wall</td>
<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
<td><img src="image3.png" alt="Diagram" /></td>
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<tr>
<td>One-chamber tank/two-chamber tank</td>
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<tr>
<td>II. Petrol station system with filling pump integrated into the front wall</td>
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<td><img src="image5.png" alt="Diagram" /></td>
<td><img src="image6.png" alt="Diagram" /></td>
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<td>One-chamber tank/two-chamber tank</td>
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<td>III. Petrol station system with hose reel and long fuel delivery hose set</td>
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<td><img src="image8.png" alt="Diagram" /></td>
<td><img src="image9.png" alt="Diagram" /></td>
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<tr>
<td>One-chamber tank/two-chamber tank</td>
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<tr>
<td>IV. Petrol station system with filling pump integrated into the long wall and power generator</td>
<td><img src="image10.png" alt="Diagram" /></td>
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<tr>
<td>One-chamber tank/two-chamber tank</td>
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<tr>
<td>V. Petrol station systems with filling pump and power generator integrated into the front wall</td>
<td><img src="image13.png" alt="Diagram" /></td>
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<tr>
<td>One-chamber tank/two-chamber tank</td>
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<tr>
<td>VI. Petrol station system with office room and power generator</td>
<td><img src="image16.png" alt="Diagram" /></td>
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<tr>
<td>One-chamber tank/two-chamber tank</td>
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<tr>
<td>VII. Storage tank system - extension modules</td>
<td><img src="image19.png" alt="Diagram" /></td>
<td><img src="image20.png" alt="Diagram" /></td>
<td><img src="image21.png" alt="Diagram" /></td>
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</table>

**Legend:**
- **D** - Diesel chamber
- **P** - Petrol chamber
- **O** - Office room
- **G** - Aggregate niche
- **N** - Dispenser niche
- **E** - Electronics niche
- **F** - Filling niche
dispensing niche with gas pump; standard equipment for diesel; electrical niche, lockable, integrated in the front side of the container

dispensing niche with gas pump
standard equipment for diesel
electrical niche with distributor

filing pipe, installed in dispensing niche

safety apparatus: fire extinguisher

safety apparatuses: emergency stop switch, plug for limiting level transmitter
Mobile Filling Systems

- Dispensing unit for 1 medium (diesel, biodiesel or gasoline)
- Dispensing unit for 2 media (diesel, biodiesel or gasoline)
- Transfer pump for self-filling of the tank up to 1000 litre/min in lockable niche
- Generator – easy fuelling by pulling it out to service/fuelling position
Mobile Filling Systems

20ft. storage container with integrated ladder and hatch compartment

10ft. storage container with closable niche

40ft. storage container with open filling niche

Stack containers in different sizes for different media

Hatch compartment with dome cover, connecting sleeves, limiting level transmitter, vent, fuel dip stick

Leak detecting device installed in the niche

Transfer pump up to 1000 litre/min for self-filling of the tank in the closable niche
Mobile Filling Systems

**Schematic Layout - One-Chamber Tank**

- petrol chamber
- aggregate niche
- filling pump niche
- filling system
- lighting switch, emergency stop switch and limiting-level transmitter (plug)

**Schematic Layout - Two-Chamber Tank**

- petrol chamber
- aggregate niche
- filling pump niche
- filling system for the refuelling from road tank vehicles

**40-foot petrol station container - two-chamber tank**

- 40-foot petrol station container - two-chamber tank
- with integrated filling pump niche, aggregate niche, lightning protection, ventilation 2 m above tank roof (petrol chamber) and sun roof

**40-foot petrol station container - two-chamber tank**

- aggregate niche

**Filling Pump Niche**

- filling pump for one fluid and filling system for the refuelling from road tank vehicles

**Aggregated Niche**

- diesel generator, additional day tank, vacuum leak alarm device with system control and niche lighting

**Filling System**

- filling pipe with tank vehicle connection, niche lighting switch, emergency stop switch and limiting-level transmitter (plug)

**Aggregate Niche**

- diesel generator, additional day tank, vacuum leak alarm device with system control and niche lighting

**Mobile Filling Systems**

- filling pump niche - two-chamber tank
- twin pump, 2 filling systems, fire extinguisher, niche lighting

- filling system
- aggregate niche
dispensing niche with gas pump; standard equipment for vegetable oil; electrical niche, lockable, integrated in the front side of the container

dispensing niche without gas pump; with standard equipment for diesel; electrical niche, lockable, integrated in the front side of the container

dispensing niche with gas pump; with standard equipment for vegetable oil; electrical niche, lockable, integrated in the front side of the container