

Helicopter Refueling Systems

Designed according to CAP 437

Laydown skid

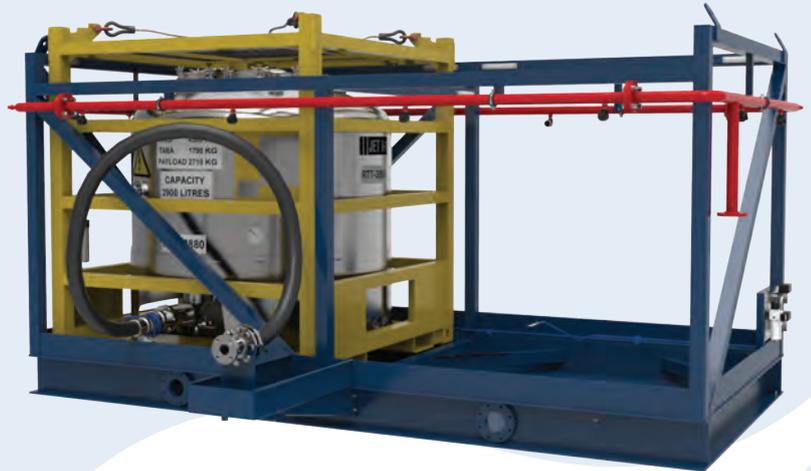
The laydown skid, has been designed to install the portable tanks, the static storage tanks and the pump unit.

Components are to be protected by a deluge system against fire

The skid is manufactured in mild steel in a continuous welded construction, in order to form a rugged unit.

The skid is equipped with a drip tray over the whole area, lifting lugs, buffer frame and deluge with spray nozzles.

The skid can be customized for different configurations.



Portable tanks

Vertical tanks with rectangular frames, manufactured in stainless steel.

Standard configuration for 2900Lts capacity.

The tanks are type approved by DNV and can be offered in different capacities.

The tanks have been designed according to the following regulations:

- DNV 2.7-1 (transport related requirements for offshore containers)
- EN 12079
- IMDG- T4 (for transportation of hazardous materials)
- ASME VIII Div1 (for pressure vessels)



Dispenser unit



The dispenser unit has been designed following safe and easy operation parameters.

The dispensing unit normally includes a Filter Separator (API1581) and Water Monitor (API1583) or a combined Three-Stage Filter Vessel (API1583), Flow Meter, Local Control Panel, Filling Nozzle, Grounding System, Manual or Automatic Hose Reel and Yellow Amber Flashing Light.

Dispensing module can be customized according to the project requirements.

Components are cased in a water proof cabinet with a roller shutter door.

Pumps unit



According to CAP 437 latest edition, May 2012, all systems should be equipped with a twin pump, in order to provide redundancy in case one pump fails in service.

The standard pump is intended to transfer fuel from the Fuel Tank(s) through the dispensing unit at a minimum flow rate of 225 liters/min at 3,5 bar pressure.

Customization is also available.

Other features

Suitable for different types of fuel: Jet A-1, JP5, JP8, AVCAT, TR1- Optional defueling system- Additive dosing system available- Components according to hazardous zone regulations- Full support during all stages of the project & onsite commissioning- Filtration EI 1581 & 1583 compliant.

Customizable according to Class Society