

Vehicle design to drain HTF from loops in PTC solar plants

Technical specifications:

- All the features implemented on the truck are suitable to work with HTF until 350 °C.
- Thermal oil tank built in carbon steel. Capacity depends on chassis GVW. Incorporates a magnetic level indicator.
- Thermal insulation of the tank and pipes through microporous material.
- Pump for emptying the truck tank and filling the loop:
 - Maximum Flow: 9 m³/h.
 - Maximum pumping height: 135 m.
- Operation of equipment through power take-off on the chassis.
- 3.500 W electrical resistance to maintain the temperature of the oil tank, in compliance with ATEX regulations.
- Two rear hose support with 25 meters of hose suitable for working with thermal oil.
- One additional hose for venting return.
- Vent line with filter and tank to control the pressure inside main tank.
- Access ladder to the cistern.
- Control panel for handling the main functions of the vehicle from outside.
- N₂ injection system, consisting of support for bottles of N₂, suitable for blanketing the loop.
- Side tool boxes and hose carriers.
- Two rear and side lights.
- Earth wire and clamps.
- Identifications plates on valves.
- Adapted to ATEX regulations.

Optionals:

- Manual hose reels for 25 m hose of 1 ½". [1453]
- Hydraulic hose reels for 25 m hose of 1 ½". [1454]
- Thermal oil tank built in stainless Steel. [1452]
- Air Cooler: Placed on the truck, reduces inlet HTF temperature from 400 °C to 105°C. [1402]
- Air Cooler Trailer, reduces inlet HTF temperature from 400 °C to 105°C [1404]
- Pump for filling the truck tank and emptying the loops: [1455]
 - Maximum Flow: 6 m³/h.
 - Maximum pumping height: 20 m.
- Electrical trace to prevent freezing on HTF inside the pipes, valves and pumps. [1456]
- Labelling. [1156]
- Generator to power the electrical resistance. [1450]



Chasis recommended

- Suitable PTO to provide the necessary power to move all the equipment installed.
- Adapted to the gas emission regulations in the country

HTF tank(l)*	Chassis GVW recommended	Traction
4.000	15 Tn	4x2
6.000	18 Tn	4x2

*Final capacity will be limited depending on the GVW of the truck

General conditions

- 1 year warranty
- Operation and maintenance manual included
- Legalization and registration is not necessary to work on site. If the client requires it, Feniks will provide him with all the necessary information to legalize it.
- Commissioning and training on site is needed for each truck.



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