

MHT 1.000

Mobile heated deicing fluid tank

Thermally insulated and electrically heated tank



Product description

The MHT 1.000 is a simple-to-operate ground deicing unit for smaller aircrafts with MTOW up to 50.000 lb. Airports or operators with no deicing units available can use this small but efficient unit.

MHT 1.000 can be transported on a pick-up truck, small truck or cart.

It can be used with Type I, Type II or TKS deicing fluids to remove efficiently rime, frost, ice or snow from wings, tail and fuselage.

The MHT 1.000 is delivered with a Honda driven pump connected to a positive displacement pump, specified for heated glycol based de-icing fluids.

The Unit does not need special power supplies and operates independent from the truck.

Properties

Container:

- UN- Authorized for ADR/RID - IMDG-code, Part 6,5
- Authorized for transport and storage of flammable and hazardous fluids type AI,All, AIII and N.
- Max density 2.0 kg / lit
- Max Vapor pressure 1.1 bar at 50 °C, 1.3 bar at 55 °C
- Max pressures : +/- 0.3 bar
- measurements : 1.100 x 1.200 x 1.670 Height
- Content : 1.000 lit
- Insulation : Perlite
- Inside / outside : Stainless steel 304 (W.Nr. 1.4301)

Honda driven pump:

- positive displacement pump low-shear ; all parts in contact with the fluid are resistant.
- maximum working temperature 80 °C
- maximum pressure 18 bar
- maximum flow 30 lit / min

Equipment

Container:

- Manhole DN400 with 2" Tri-Sure closure
- Rubber gasket NBR
- Over and under pressure valves +0.25 / -0.05 bar
- Ball valve DN80

Honda driven pump:

- Automatic Stainless Steel 304 hose reel - Spring driven.
- 15 m High Pressure hose 1/2"
- High pressure pistol with adapted nozzle
- Frame : Stainless Steel 304
- Engine Honda 163 cm³, 3.6kW (4.8 HP) - 3600 rpm. Hand started - (electric starter optional.)
- 3.1 lit Petrol / gas tank (consumes about 1.2 lit / hr.)

Heating

- 2000 watt tracing cable, max. 80°C.
- 230 V 2 phase
- CEE- socket 2 phase + earthing IP44
- double temperature measurement and indicator
- hobo meter

Certification

- CE-certificated
- All surfaces in contact with the de-icing fluid resist up to temperatures of at least 80°C

Extra's

Optional:

2 axle, 2 ton trailer

- Galvanized
- Axle-push brakes
- Ball or ring connection
- Authorized for high-speed use according the European road standards.

On request the de-icing unit can be delivered with an electrical driven pump and spotlights for operations in darkness. This unit comes with a 7.5 KVA generator, which supplies energy enough for the pump, heating of the fluid and the spotlights.