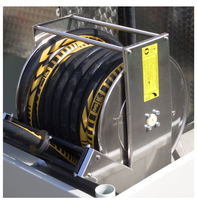
GEMINI
POWER HYDRAULICS PRIVATE LTD

RIKI

# AVIATION FUEL TANK

Electronic level gauge.



Hose reel equipped with rollers

Grounding system.

Coalescing-separator filter

## Description

Complete and high qualitative aviation refuelling systems designed to deliver fuel in a safe and uncontaminated way. In compliance with IATA - JIG 4 guidelines (Aviation Fuel Quality Control and Operating Standards for Smaller Airports). Our in-house design department provides services from detailed drafting to customer specifications up to complex and technically challenging projects, including conceptual design. We can design and manufacture fuelling systems for any type of aviation fuel, as JET A1, JET B, AVGAS, JP-8, etc. and for any sector such as small airports, agriculture (aerial spraying), sport facilities, hospitals and medical transports, construction, firefighting, search and rescue, tourism, trainers and military uses. Our systems are designed and manufactured in accordance with IATA (International air transport association) guidelines for aviation fuel quality control and operating procedures for smaller airports and using top quality equipment and accessories.

### Main features

- No copper or cadmium alloys, cadmium plating, galvanised steel or plastic materials are used for piping.
- Tanks: both underground double-skinned tanks or aboveground fully bunded tanks can be made in stainless steel or in carbon steel internally coated with an epoxy resin approved for aviation fuels.
- Tanks are designed and manufactured to avoid ingress of water and dirt and to provide a positive low point to collect water and sediment for ease of removal.
- Pressure/vacuum relief valves for Avgas storing and free vent devices for JET fuel storage, equipped with screen to prevent the ingress of foreign objects.
- Separated fuel inlet and outlet connections, properly sized.
- Manhole to facilitate entry for gas freeing and cleaning.
- Gauge hatch to provide means of sampling and tank dipping.
- Aluminium or stainless steel floating suction arm equipped with check cable, for tanks with capacity of more than 20.000 L.
- All tanks are fitted with a system to prevent overfilling.
- All equipment and any conducting body are electricallybonded to have the same electric potential at every point.
- Spring rewind bonding reel with cable guides and ball stop equipped with galvanised or nylon coated cable provided with grounding clamp.
- Explosion proof electrical panel.
- All wetted surfaces are made of non-rusting material compatible with aviation fuel.
- Aluminium dip stick calibrated gauge to determinate manually the fuel level.
- Strainer to protect the pump from damage by foreign matter or pipeline debris.
- Positive displacement vane pump, self-priming, builtin bypass, flow rate up to 1.000 lpm.
- Positive displacement flow meter, properly sized.
- Aviation refuelling hose conform to API 1529 and BS-EN 1361.
- Overwing or underwing fuelling nozzle, quick disconnect device, bonding cable and clamp.
- Filter monitor meeting the performance requirements of latest edition of API/IP specifications.

## Technical data

| Model | Nominal capacity (lt) | Width (mm) | Depth (mm) | Depth with cabinet (mm) | Highness (mm) | Weight with pump unit (kg) |
|---|---|---|---|---|---|---|
| TFTAK910 | 896 | 990 | 1,660 | 1,865 | 1,165 | 227 |

## Loading Plan

| Model | Container 20' | Container 40' | Container 40' HC | Std truck 2700h mm |
|---|---|---|---|---|
| TFTAK910 | 12 | 24 | 24 | 28 |

## Accessories

Flow meter for manual rotary pump

## Approval

ADR approved

RID ADN IMDG approved

| | |
|---|---|
| Transportable materials | Diesel / UNI1202 Gasoline / UNI1203 Ethanol / UNI1170* |
| Clases ADR | 3 - 5.1 - 6.1 - 9 |
| Packaging group | II - III |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