

# REFUELLING SOLUTIONS

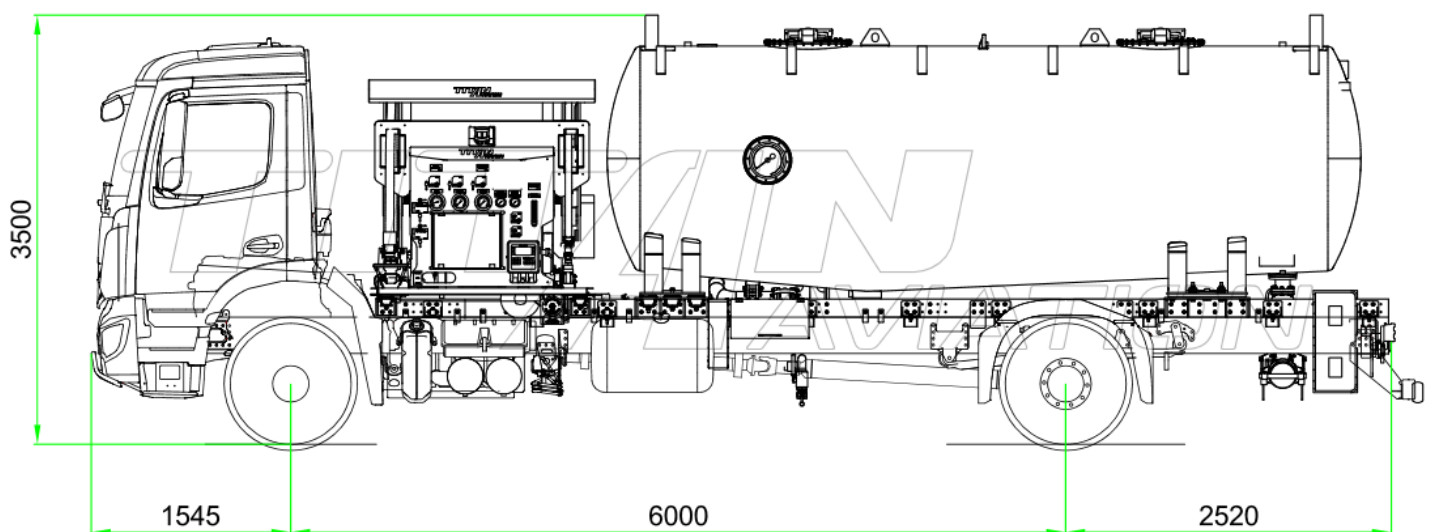
**TITAN**  
AVIATION

## 20.000 L AIRCRAFT REFUELLER

### PICTURES



### SHAPE



## 20.000 L AIRCRAFT REFUELLER

### FULL SPECIFICATIONS

Fuelling performances	<ul style="list-style-type: none"> <li>916 LPM (= 55m<sup>3</sup>/h) through one underwing coupler 20 meters long hose fitted with CARTER hose-end for refuelling at 0 Bars of Backpressure,</li> <li>200 LPM (= 12m<sup>3</sup>/h) through one overwing coupler 20 meters long hose fitted with ELAFLEX nozzle</li> </ul>
Compliance	<ul style="list-style-type: none"> <li>JIG-1 Edition n°12 January 2016</li> <li>EN 1361-C/API 1529 for hoses</li> <li>API/IP for filtration</li> <li>API 1584</li> </ul>
Chassis	<ul style="list-style-type: none"> <li>Mercedes-Benz AROCS 1833 4x2 Left Hand Drive with robotized gearbox Euro IV engine</li> </ul>
Tank	<ul style="list-style-type: none"> <li>Single compartment with a capacity of 20000 L (5000 USG) + 5% expansion</li> <li>Biconical shape design</li> <li>Constructed in aluminium in accordance with ADR</li> <li>Three-side pneumatic handrail</li> <li>Mechanical level gauge</li> <li>Internal ladder for inspection</li> </ul>
Pump	<ul style="list-style-type: none"> <li>GORMAN RUPP Centrifugal pump</li> <li>Driven hydraulically and positioned on tractor chassis right side, outside frame</li> </ul>
Filtration	<ul style="list-style-type: none"> <li>FACET Water Separator filter in total compliance with latest norm</li> </ul>
Sampling system	<ul style="list-style-type: none"> <li>Upstream and downstream filter sampling through Visual Fuel Check Sampler manufactured by TITAN AVIATION</li> </ul>
Measuring system	<ul style="list-style-type: none"> <li>ISOIL mechanical chamber fitted with ISOIL VEGA-T electronic meter-head</li> <li>Lighting for night refuelling</li> </ul>
Hose reel	<ul style="list-style-type: none"> <li>Hose reel of TITAN AVIATION patented</li> <li>Driven hydraulically and without chain</li> </ul>
Regulation	<ul style="list-style-type: none"> <li>Primary: hose end pressure control valve (HEPCV)</li> </ul>
Functions control	<ul style="list-style-type: none"> <li>Functions handled by latest generation of expandable Program Logic Controller</li> <li>All electric lines numbered on both ends and through weather tight harnesses</li> </ul>
Weight and dimensions (roughly)	<ul style="list-style-type: none"> <li>Dimensions (L x W x H) : 10000 x 2500 x 3500 mm</li> <li>Weight (GVW) : 27000 kg</li> </ul>
Anticorrosive	<ul style="list-style-type: none"> <li>Frame protected by sandblasting, metallizing and painting</li> </ul>
Safety	<ul style="list-style-type: none"> <li>Modular Concept fitted with SMART Frame conception (bolted open frames elements)</li> <li>Intermittent/timer controlled deadman, with buzzer sound and deadman activation light, and to allow full rated flow at no less than 5(s)</li> <li>Interlock system in fail-safe configuration</li> <li>Complete electric continuity on unit with required bonding straps</li> <li>Emergency stop on each side of the vehicle</li> <li>Speed limitation at 25 km/h in accordance with airport regulations, weight calculations, and JIG recommendations</li> <li>Interlock / override light stack on truck dashboard fully viewable from outside for increased safety</li> <li>2 extinguishers BC dry powder type (9kgs) with support on each side of the vehicle</li> </ul>