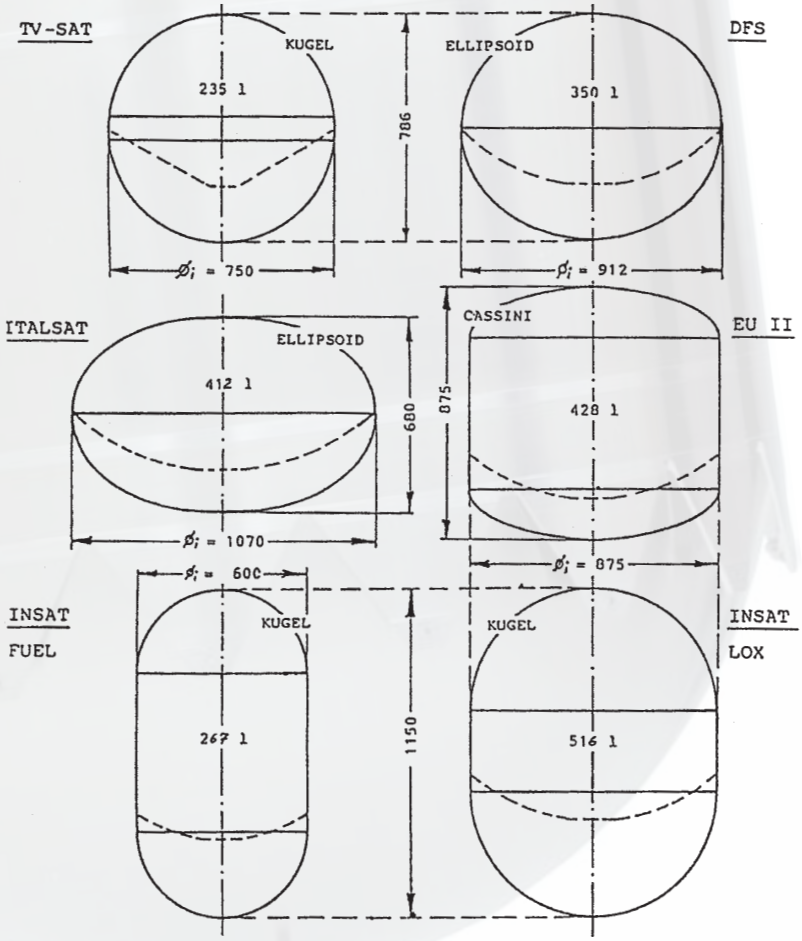
SURFACE TENSION PROPELLANT TANK OST 01/X

Surface Tension Propellant Tank OST 01/X – Heritage Tank	
Tank Net Volume Range	235 to 516 Litres
Propellants	MON respectively MMH
Geometrical Shape	Spherical, Elliptical or Cassini Domes with or without variable cylindrical intersections
Interface Fixation	From 3 to 24 Suspension Tabs with floating nuts respectively polar Bearing
Materials	
- Pressure Vessel	Ti6Al4V STA (3.7164.7)
- Suspension/Ports	Ti6Al4V (3.7164.1)
- PMD	Ti99.4 (3.7034.1) and Ti6Al4V (3.7164.1)
- Screens	304L (1.4306) Stainless Steel
Tank Mass	16 to 29 kg
Project Involvement	TV-Sat, TDF, Tele-X, Italsat, DFS (Kopernikus), Eutelsat-2, Turksat, Nahuel, Insat-2A to D



The surface tension propellant management device (PMD) is specifically designed for a unified geostationary satellite propulsion system (UPS).
The tank consists of two compartments. The larger one for the Apogee BoostMotor (ABM) propellant. The lower one being equipped with a full communication draining device for principally unlimited liquid expulsion during on orbit attitude and orbit control manoeuvres. All main functional performance characteristics may be controllable on ground conditions.