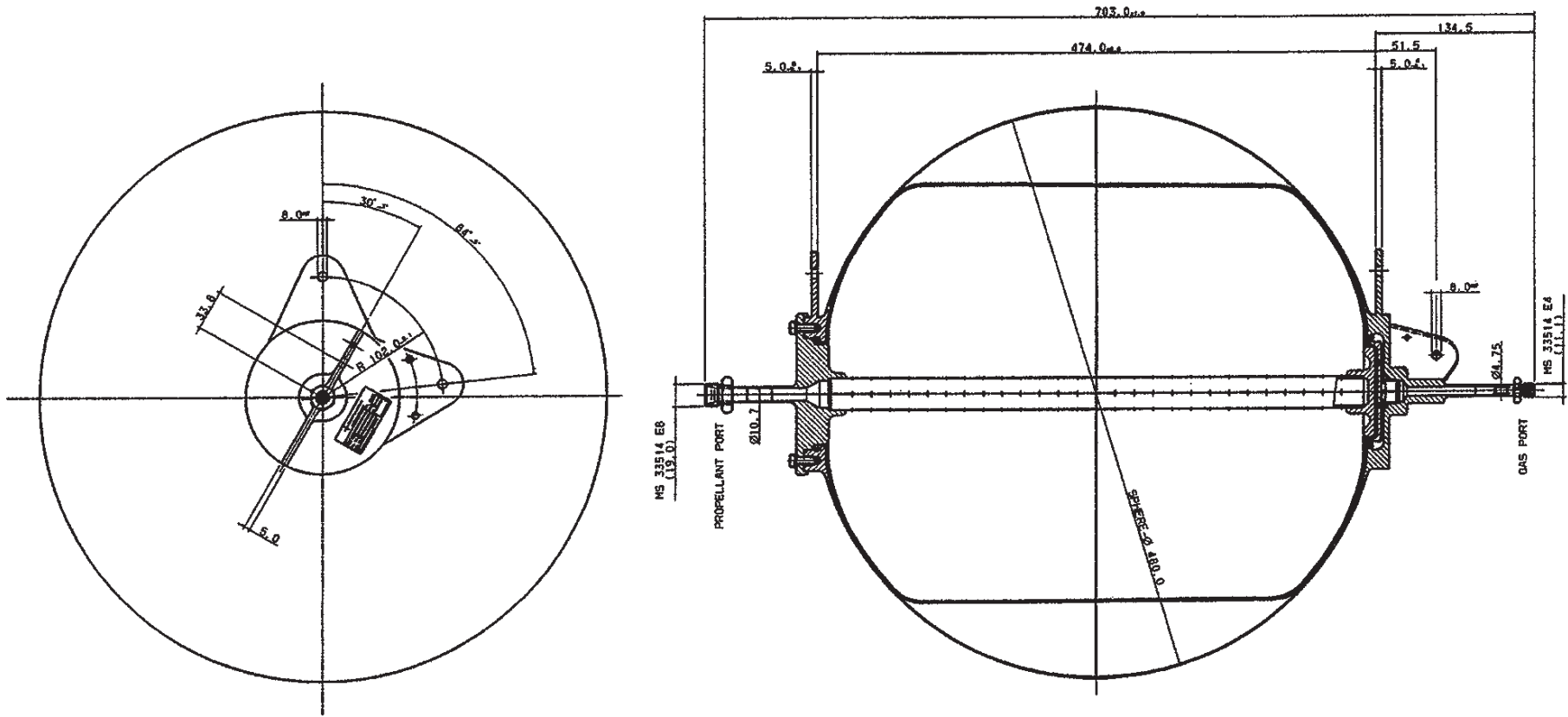


## EPDM - Bladder Tank BT 01/0

Tank Net Volume:	58 Litres
Max. Propellant Volume:	39 Litres
Propellant:	Hydrazine (N <sub>2</sub> H <sub>4</sub> )
Pressurant Gas:	Helium (He) or Nitrogen (N <sub>2</sub> )
Maximum Expected Operating Pressure: (MEOP)	26 bar
Proof Pressure: (1.5 x MEOP)	39 bar
Burst Pressure: (2.0 x MEOP)	52 bar
Interface Fixation:	5 Fixation Holes $\varnothing 8^{H7}$
Materials	
- Pressure Vessel:	Ti6Al4V Hemispheres 3.7164.1 (SPF)
- Gas & Propellant Ports:	Ti6Al4V (3.7164.1)
- Bladder:	Ethylene-Propylene-Diene Monomer (EPDM)
Tank Mass:	< 8.5 kg (exclusive Support Structure)
Project Application:	Ariane 5 SCA, ARD





EPDM - Bladder Tank Interface Drawing