

TANK TYPE	MOUNT	LOCATION
DIAPHRAGM		

This unit has been modified from Northrop Grumman Part Number 80487-1, Serial Number 0002 to Northrop Grumman Part Number 80515-1, Serial Number 0001. The Propellant tank is a lightweight titanium tank with an AF-E-332 Rubber Diaphragm attached to the inside of the tank near the mid plane. There are two (2) ports; one for pressurization gas and one for the propellant supply.

ATK Part Number 80515-1

SIZE: 40.85" DIA x 31.80" LONG

SIZE: 1037.59 mm DIA x 807.72 mm LONG

ISO 9001 & AS 9100 REGISTERED

APPLICABLE DOCUMENTS

Acceptance Test Procedure	50-000697
Cleaning	CPP 3872

TANK CHARACTERISTICS

Operating Pressure, psig	350	Total Volume, in ³	
Proof Pressure, psig		Max Design Wt, lbs	78.0
Cryo Proof, psig	N/A	Minimum Wall, inch	
Burst Pressure, psig		Qual Tank Mass	
Actual Burst, psig			

ACCEPTANCE TESTS

Examination of Product
External Leak Test
NDE Inspection
Final Examination of Product
Final Clean

TANK CHARACTERISTICS (Metrics)

Operating Pressure, bar	24	Total Volume, l	
Proof Pressure, bar		Max Design Wt, kg	35.38
Cryo Proof, bar	N/A	Minimum Wall, MM	
Burst Pressure, bar		Qual Tank Mass	
Actual Burst, bar			

QUALIFICATION TESTS

TUBE TYPE AND SIZE

Transition Ti to SS	QTY	SIZE
80-454001-3	1	0.250" OD x 0.016" WALL x 2.68" LONG
INERTIA WELDED		
80-454001-1	1	0.375" OD x 0.020" WALL x 2.75" LONG
INERTIA WELDED		

