

Helium Charging Station

About-

Helium Re-Charging & Hydrostatic Testing System is a HIGH PRESSURE facility for Decanting, Hydrostatic Testing and Refilling of the Helium Flight Bottles which are accessories to emergency floatation system of the Helicopter.



Technical Specification-

1. Air Drive Pressure: 7 Bar
2. Air Consumption: 0-50 scfm.
3. Flight Bottle Specs: WP 289 bar ,WC 18 L & WP 239,WC 9 L
4. Rejection Pressure after Decanting: 15-20 bar
5. Maximum Recovery Pressure: >150 bar ,WC 9,18 L
6. Hydro Test Pressure: 500 bar ,Plain Water
7. Recharging Pressure in the Tested Flight: WP 289 bar, WC 18 L & WP 239, WC 9 L



Application-

Helium Gas at 400 bar is filled in these bottles of capacity 9 &18 liters and get utilized or vented during emergency landing of the helicopter on water .

These Bottles are returned back in empty/vented condition and semi filled /filled (in case of not use) to the Base and where there is need of Recovery of Helium Gas (Decanting), Hydro Testing (1.5x W.P) and refilling the tested bottles with Helium Gas at 400 bar

Key Features-

1. Fully Automatic system
2. Robust design
3. Three features in single system -
 - a) Decanting
 - b) Hydro testing
 - c) Hydro testing

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