

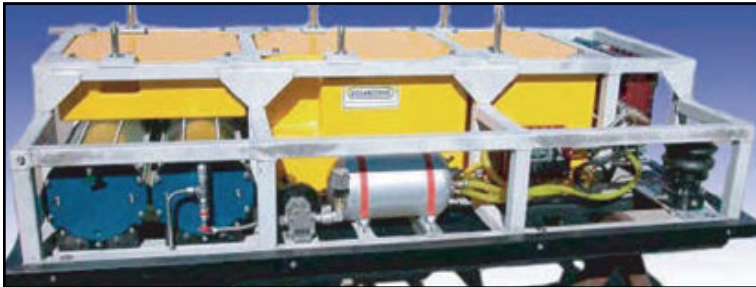
AHPU INTERVENTION SKID

The Auxiliary Hydraulic Power Unit (AHPU) skid is designed for complete fluid intervention between the Remotely Operated Vehicle (ROV) system and subsea equipment via multiple client specified hot stabs. The neutrally buoyant skid will be mounted under the host ROV, from which hydraulic and electrical power will be supplied.

- The Glycol / Transaqua HT circuit has a 15 gal reservoir for medium pressure (5000 psi) intervention and high pressure (15,000 psi) seal-testing and is complete with safety interlocks.
- The corrosion inhibitor circuit has a 15 gallon reservoir for low pressure (200 psi) corrosion inhibitor intervention. 4 'spare' fully proportional pressure and flow bi-directional hydraulic functions to allow interfacing of ROV intervention tooling.
- Intelligent pressure, flow and displacement sensors to provide all the necessary system feedback information to the user.

The Skid is operated from a topside computer mounted in the ROV control room. The custom software provides the user with real-time information of pressures, flows and available reservoir volumes, along with critical system information such as water ingress alarms.

Also available as a rental tool



Technical Data / Specifications

Hydraulic Supply

- 2,850 psi @ gpm (nominal)

Glycol/TransAqua HT Circuit

- 15 gal storage
- Reservoir with Volume Indication
- Discharge and Return Flowmeters
- 5,000 psi Pump / 3.5 gpm
- 15,000 psi Pump / 0.5 gpm
- Manifold with 3 Bi-directional Outputs (5000 psi)
- Digital Pressure Transducers

Corrosion Inhibitor Circuit

- 15 gal storage
- Reservoir with Volume Indication
- 200 psi Output Pressure / 2 gpm

Hydraulic Tooling Functions

- 4 Bi-Directional Functions
- 3,000 psi @ up to 10 gpm each
- Each with Proportional Pressure and Flow
- Each with Differential Digital Pressure Transducers

Weight

In Air	1,250 lb Dry
In Air	1,380 lb with fluids

Dimensions

Length	92 in
Width	60 in
Height	26 in

