



Isolated Hydraulic Power Unit Skid (IHPU Skid)

Perry Slingsby System's IHPU allows pumping of secondary fluids without the risk of contaminating the primary hydraulic supply. The pump uses a self-cycling, hydraulic intensifier to amplify input pressure.

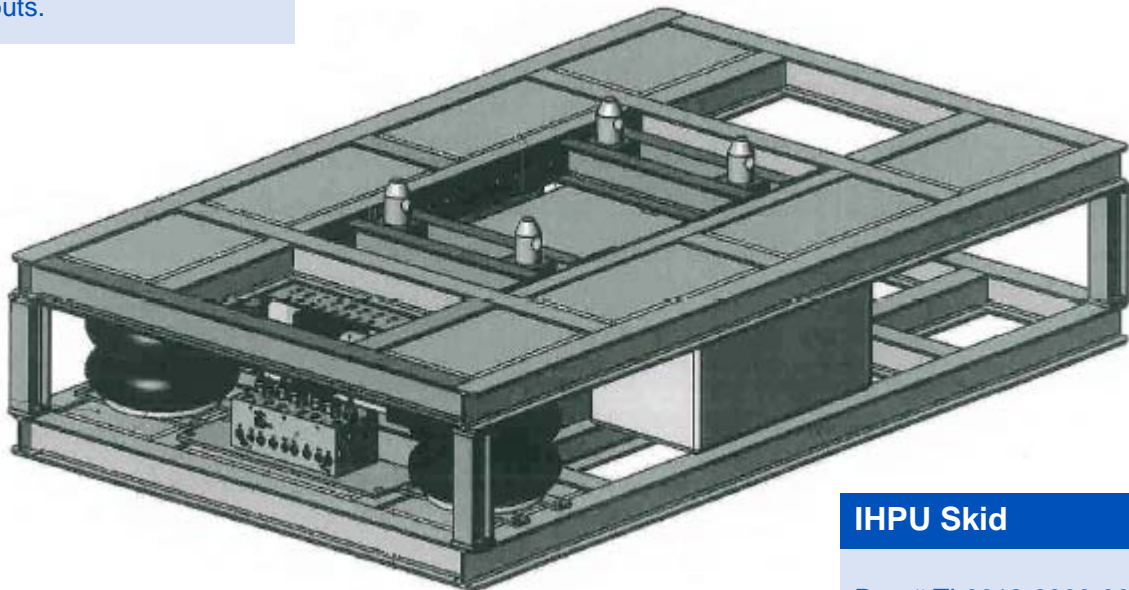
The IHPU Skid is compatible with a wide range of fluid media, including most hydraulic fluids, water-glycol solutions, fresh water and sea water. The two bladders on the reservoir assembly hold a total of ten gallons of fluid (other sizes available). The stainless steel valve manifold with three valve stacks (six functions total) offers independent pressure control (to 10,000psi max) and flow control settings for each valve, and dual cross pilot check valves for holding pressure. The stainless steel valve externals allow the valves to be used subsea without an oil filled manifold. Hydraulically piloted valves allow the system to be easily added to Triton XLX.

The skid is constructed primarily of welded 6061-T6 or 6082-T6 aluminum structural shapes with appropriate reinforcing members. This structure provides mounting points and protection for all system components but is designed to minimize overall size and weight. Ease of maintenance and accessibility has been considered during the design phase. Multiple zinc anodes are attached to the main structural members to minimize corrosion during operations. The skid is designed as a self-supporting module that can be readily attached / detached to the TXLX by means of a TMRV interface.

High-performance, deepwater, buoyancy modules have been added where necessary to attain a slight positive buoyancy in seawater. The completed skid assembly, including all components, piping, and buoyancy is configured to a trim condition to minimize any load effects on the host ROV.

Features

- 10 Gallon (45L) Reservoir.
- 0-10,000PSI
- 3 Bi-directional outputs.
- Pressure gauges on all outputs.



IHPU Skid

Part # TL0018-0000-00

Specifications

Skid Dimensions:	96.5" x 60" x 20" (2,451mm x 1,524mm x 508mm)
Weight in air/water:	1,600lbs/300lbs (725kg/136kg) (with 3000m rated buoyancy)
Depth Rating	3,000m
Supply from ROV	1,282PSI (88.4 Bar)
Max Output Pressure	10,000PSI (690 Bar)
Max Output Flow	4.6GPM (17.5LPM)
Reservoir Capacity	10 gallons (45L) (two off 5 gallon bladders)
Materials	316 & 316L Stainless Steel, 6061-T6 Aluminium, H-ECOPUR, Buna-N, Rubber.
Output	Three off bi-directional functions plus system pressure. (Each function complete with 2-1/2" pressure gauge). Two off surface adjustable to max 5000PSI. One off surface adjustable to max 10,000PSI.

Data Sheet: A001-350-098 issue 2

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.