

OCTOPODA GEN 2 IHPU SKID

100L AND 325L RESERVOIR
3KPSI, 5KPSI AND 10KPSI
PUMP SYSTEM

Descriptions

The Octopoda IHPU Skid is designed to reduce cost in subsea operations related to completion, installation, well access, maintenance and other activities related to underwater operations.

Skid comes with a high-capacity dual fluid reservoir and hydraulic pump system for handling of water-based Control Fluid, Mineral Oil and Inhibitors. A large Control System of 12 ea bidirectional valves, where of 2 ea valves for seal testing gives a total output of 24 hydraulic lines. Each output is fitted with digital pressure sensors for real time monitoring and logging with chart recorder.

Each of the two pumps, LP and HP, is fitted with a high precision gear flowmeter for flow monitoring, allowing leakage detection and fluid injection to subsea equipment.

Pressure Reducing Relieving Valves (PRRV) are installed on each pressure header, preset to 35 Bar, 207 Bar, 345 Bar and 690 Bar.

Typical Operations

- Subsea Tooling
- Intervention works
- XT on wire operations
- Seal Testing

Features

- Integrated Control System
- Dual reservoir and dual pump
- 210 / 345 Bar and 690 Bar pump
- Pressure Relief Valves
- Flowmeter on both pumps
- 12 Bidirectional valves (24 outputs)
- Pressure sensors on all outputs
- 100L and 325L separated reservoirs
- Dual media system (e.g. Control Fluid and MEG)

SPECIFICATIONS

IHPU SKID

General technical specification

Type	IHPU Skid
Weight (in air / Submerged)	1200 / 160 KG
Dimensions (L x W x H)	4000 x 1486 x 620 mm

Environmental data

Depth Rating	3000 MSW
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Electrical data

Supply Voltage	24 VDC
COMS	RS 485 / Ethernet
Interface connector	GlenAir G5506-1508

Hydraulic input data

Supply pressure (from ROV)	207 Bar
Supply flow (from ROV)	50-140 LPM (Min / Max)
Fluid compatibility Supply (from ROV)	Mineral Oil (10 - 200 cSt / optimal 25 - 35 cSt)

Hydraulic output data (Hot Stab)

12 ea Bidirectional valves	24 hydraulic outputs
2 ea Seal Testing valves	Yes
Suitable Media	Mineral Oil, Sea Water, Water-based Glycol, MEG
Gear Flowmeter	Yes, both pumps
Pressure Sensor	Yes, logging and chart in software
Reservoir 1	100 L
Reservoir 2	325 L

ROV Control Valves

4 preset header pressures	Yes
4/2-valve ROV operated LLP	LLP pressure header 0 – 105 Bar
4/2-Valve ROV operated LP	LP pressure header 20 – 345 Bar
4/2-Valve ROV operated LP	LP pressure header 20 – 345 Bar
4/2-Valve ROV operated HP	HP pressure header 50 – 690 Bar

