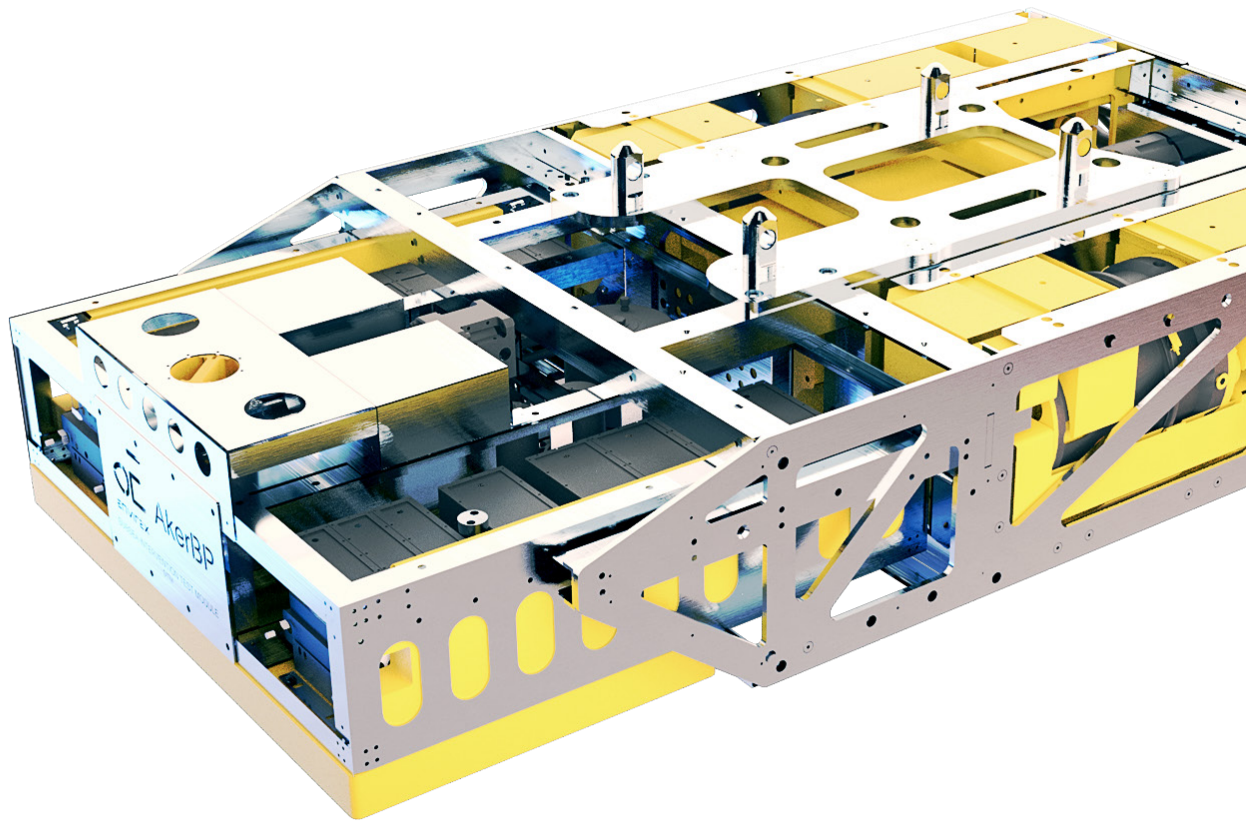


OCTOPODA BOP INTERVENTION SKID

OCTOPODA
SMART SKID
SYSTEM

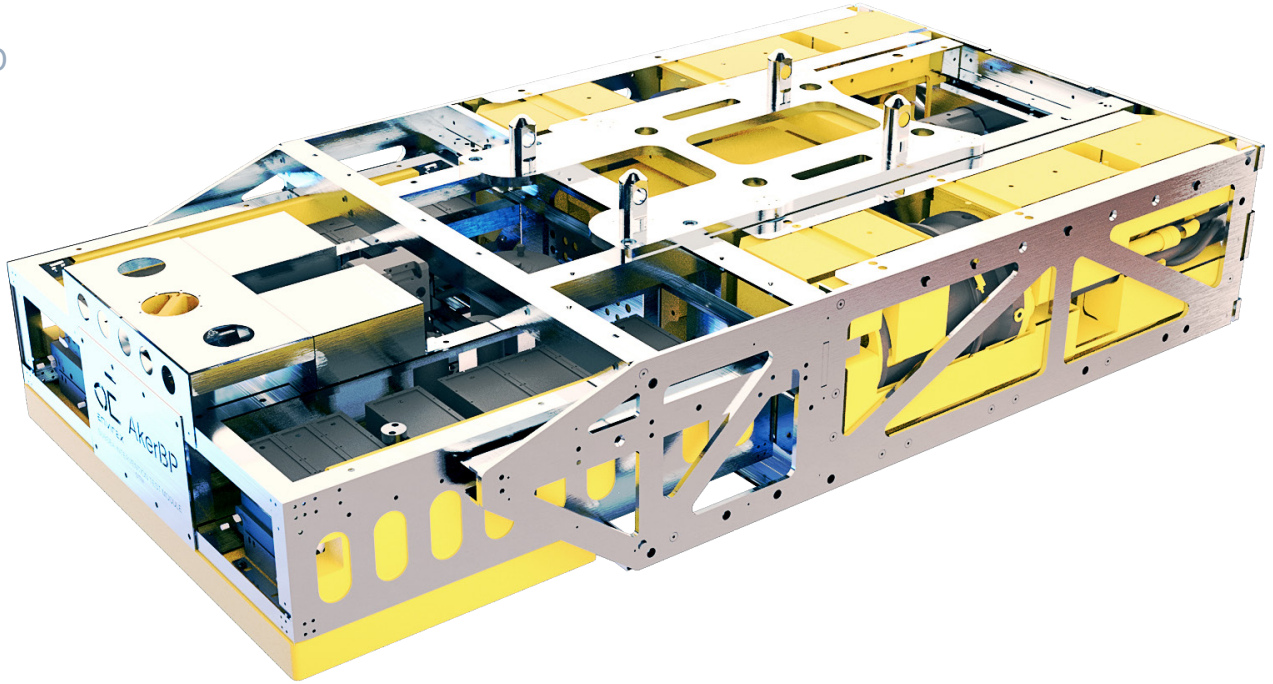


FEATURES

- ❑ Cost Effective
- ❑ Workclass ROV System Interface
- ❑ Modular Design
- ❑ Field Proven Technology
- ❑ Customized Configurations

OCTOPODA BOP INTERVENTION SKID

OCTOPODA
SMART SKID
SYSTEM



Description

The Octopoda ROV skid is designed and developed to reduce cost in subsea operations related to completion, installation, maintenance and other activities related to underwater operations.

Three modular reservoirs provide a useable fluid capacity of 380 litre independent of water depth. The buoyancy blocks are machined to fit the three modular reservoirs for maximum utilization of the skid frame. The unique pump setup (low flow / high Pressure, high Pressure / low flow) consists of 3 well-proven pumps, capable of achieving pressures up to 7,500 PSI and flow rates up to 300 LPM.

A sequence valve will automatically open for the high pressure circuit after 1,300 PSI pressure are achieved to allow the high pressure pump to start 7,500 PSI pumping.

FLOW METER AND PRESSURE MONITORING

The turbine style flow meter and pressure sensor are installed on the output line and will allow the operator to monitor, record and print certificates (pressure graph) directly from the laptop and software following the skid. Standard communication as RS232 or RS485.

Features

- Reduced cost compared to rebuild of original BOP stack
- Reduced time compare to running hot line reels during launching and retrieval of umbilical with stab.
- Less problems under operations in water with high currents.
- Avoid umbilical from topside to greater depths
- Cost saving in regards to operational time
- Reduce stabilizing time during pressure / barrier testing
- Rated to 3000MSW
- Ethernet communication

Typical Operations

- BOP Shear Ram Actuation
- Intervention Works
- Subsea Control System
- Chemical Injection
- Subsea Tooling

SPECIFICATIONS

OCTOPODA BOP INTERVENTION SKID

General Technical Data

Type	Octopoda BOP Intervention Skid 150
Part Number	110669
Frame Material	Aluminum 6082

* Please contact us for more information regarding fluid compatibility

Weight (in air / submerged) [Kg]	~870Kg / ~45Kg
Dimensions (W x H x L) [mm]	1450 x 475 x 2332
Operating Temperature	-10°C/ + 60°C (14°F / 122°F)

Hydraulic

Max. Input Pressure		207 Bar (3.000 PSI)
Max. Input Flow		170 L/Min
Max. Output Flow - HF / LP	Step 1	300 L/Min
Max. Output Pressure - HF / LP	Step 1	90 Bar (1.300 PSI)
Pressure Ratio HF / LP circuit	Step 1	0,52 (Input vs. Output)
Max. Output Flow - LF / HP	Step 2	30 L/Min
Max. Output Pressure- LF / HP	Step 2	520 Bar (7.540 PSI)
Pressure Ratio LF / HP	Step 2	2,62 (Input vs. Output)
Fluid Compatibility **	Input	Mineral Oil (10 - 200 cSt / optimal 25 - 35 cSt)
	Output	Water Based Glycol
		Spring Water

* LF / HP = Low flow / High Pressure HF / LP = High Flow / Low Pressure

** Please contact us for more information regarding fluid compatibility.

Electrical

Nominal Voltage	24 VDC
COMS	Ethernet (RS485 Optional)
Connector	Burton 5506-1508-0004

Pin-out

PWR & COMS

Pin 01 – 0 VDC	Pin 05 – TX+ ORG /WHT
Pin 02 – 24 VDC	Pin 06 – TX- ORG
Pin 03 – RS 485 +	Pin 07 – RX+ GRN/WHT
Pin 04 – RS 485 -	Pin 08 – RX- GRN

Pump Characteristics Examples

Input Pressure	Input Flow (L/Min)	Output Pressure Step 1 / Step 2	Output Flow L / Min (US GPM)
207 (3.000 PSI)	170	107 Bar (1.560 PSI)	300 (79,2)
		520 Bar (7.540 PSI)	30 (7,9)
207 (3.000 PSI)	135	107 Bar (1.560 PSI)	238 (62,9)
		520 Bar (7.540 PSI)	30 (7,9)
207 (3.000 PSI)	100	107 Bar (1.560 PSI)	176 (46,6)
		520 Bar (7.540 PSI)	30 (7,9)
207 (3.000 PSI)	75	107 Bar (1.560 PSI)	132,4 (34,9)
		520 Bar (7.540 PSI)	26,5 (6,9)