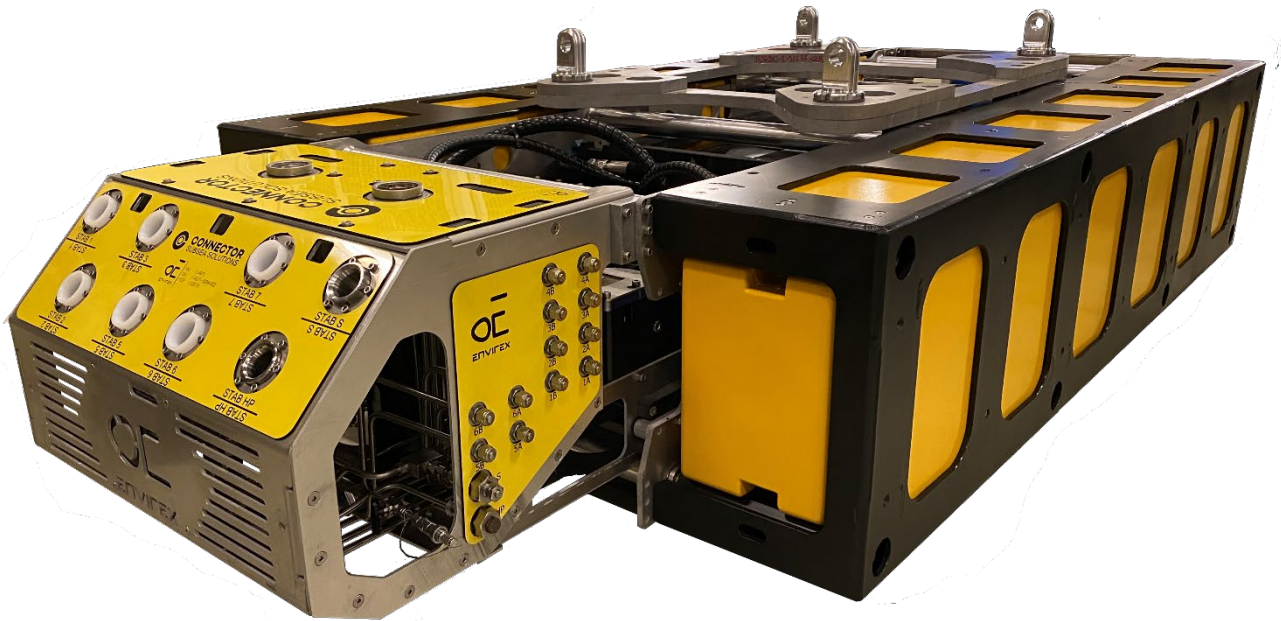


OCTOPODA MULTIPURPOSE ROV SKID

MULTIPURPOSE
SUBSEA CONTROL
SYSTEM



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

The Multipurpose skid is equipped with a powerpack HPU, 210-liter reservoir and two valve packs with a total of 16 operating proportional valves with pressure reducing function. Operating pressure between 0 and 207 Bar. HP Pressure Boosters is integrated on two functions to perform pressure barrier testing and recording.

The skid has a communication gateway enabling control and test of subsea equipment. Electrical and communication are provided by the ROV system. Electrical power is transformed in a built-in subsea transformer to operate the different valves and communication. The Subsea Gateway is a self-contained unit with multiple communication ports for interfacing with valve packs and other electrically operated components, instrumentation and/or subsea cameras.

The skid is controlled from topside using iCsys GIU software and hardware.

Typical Operations

- Intervention works
- Tooling operation
- Injection works
- Pressure barrier testing

Features

- Low Weight
- Maintenance friendly
- Pressure barrier testing and recording
- Interchangeable ROV Interface
- Easy hook up and communication
- Field proven technology
- Subsea Tooling Universal Modular Interface
- Ethernet communication

SPECIFICATIONS

OCTOPODA MULTIPURPOSE ROV SKID

General Technical Data

Type		Octopoda Multipurpose ROV Skid
Part Number		114965
Weight in air / submerged	KG	1200 / 50
Dimensions	(W x H x L)	1460 x 540 x 3003mm
Depth Rating	(msw)	2000 (3 000 if changed buoyancy)
Operating Temperature		-20°C / + 60°C (14°F / 122°F)

Hydraulic Data

Flow	l/min	70
Max. Supply Pressure	Bar (PSI)	210 (3000)
Max. Supply Flow	LPM (GPM)	75 (19.8)
Max. Output Flow @ 210 Bar	LPM (GPM)	70 (18.5)
Max. Output Flow pr/valve	LPM (GPM)	40 (10.5)
Max. Output Pressure LP (16 off)	Bar (PSI)	207 (3000)
Max. Output Pressure P (2 off)	Bar (PSI)	690 (10000)

** Please contact us for information regarding fluid compatibility.

Interfaces

ROV Pressure	Dk Lok Ø20
ROV Return	Dk Lok Ø20
ROV Leak	Dk Lok Ø12
External Pressure Connection	Dk Lok Ø12
External Pressure Connection	Dk Lok Ø12

Electrical Data

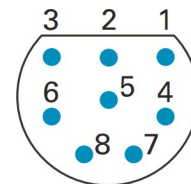
Nominal Voltage	VDC	20...30
Signal Type		Ethernet
Connector		55 Series, Shell Size 15, 8-Pins GLENAIR 5506-1508 CRE FRA02SM0500LC05
Fibre Optic Interface		110VAC +-10%
Power		6 amp
Current		

Pin-out

PWR & COMS

- Pin 01 – 110 VAC
- Pin 02 – 110 VAC
- Pin 03 – Chassis GND
- Pin 04 – NC
- Pin 05 – TX +
- Pin 06 – TX -
- Pin 07 – RX +
- Pin 08 – RX -

Connector Face View



Interface

Interface frame can be moved on top of ROV skid to fit several ROVs

Configuration 1: Brutus, Kystdesign Installer , Shilling HD Triton XLX

Configuration 2: Kystdesign Supporter

Configuration 3: Hercules

792 mm x 428 mm

797 mm x 428 mm

1025 mm x 650 mm

SPECIFICATIONS

OCTOPODA MULTIPURPOSE ROV SKID

Dimensions

