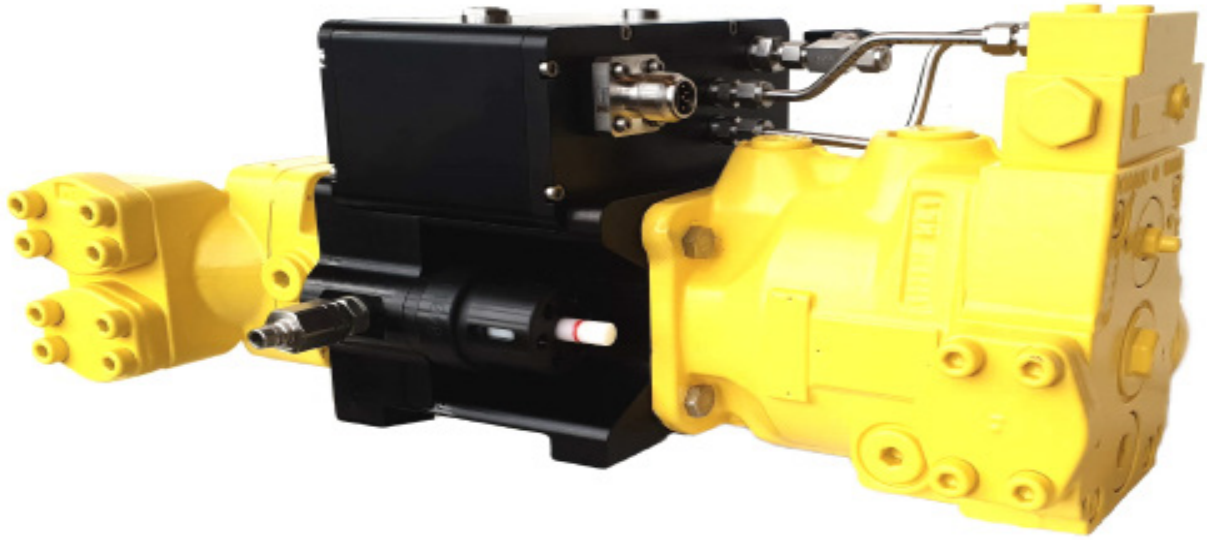


# SMART DIRTY WORK PACK

16CC - 28CC  
SMART ISOLATED  
HYDRAULIC POWER UNIT



**The Dirty Work Pack Unit is used to reduce the risk of contamination in the main ROV hydraulic system. By using this equipment, you will get two completely separate oil circuits and avoid concerns about contamination in your hydraulic system. This Smart edition has integrated electrical remote operated pressure regulation.**

The Smart Dirty Oil Pack is an Isolated Hydraulic Power Unit (IHPU) that can be easily incorporated into a ROV hydraulic system to provide an isolated hydraulic supply for driving tooling and equipment that may potentially otherwise cause contamination to the main ROV hydraulic supply.

The pump type has selection of displacement between 16 – 28 cm<sup>3</sup>/rev.

Hook-up to the ROV is quick and simple by connecting a supply, return and drain line to a ROV valve pack function.

The DWP can be delivered as a complete unit with oil filters and reservoirs / compensators. The unit can be assembled as a backpack for rear end interface, or a belly skid

## Features

- Integrated electrical Pressure Control
- Pressure sensor
- Solid, Compact and Reliable Design
- Up to 345 Bar / 5000PSI output pressure
- Rated to full ocean depth

## Typical Applications

- Subsea HPU Systems
- Subsea Reservoir Systems
- Chemical Injection
- Subsea Tooling
- Subsea RWOCS Systems
- Subsea Excavators
- Trenchers

# SPECIFICATIONS

## SMART DIRTY WORK PACK

### General Technical Data

Type	Smart Dirty Work Pack 16cc
Part Number	112201
Weight in air / submerged	KG 42 / 32
Dimensions	(W x H x L) 533 x 243 x 212mm
Depth Rating	(msw) 6000 meter (full ocean depth)
Operating Temperature	-10°C/ + 60°C (14°F / 122°F)

### Hydraulic Technical Data

Pump Displacement	cm³/rev	16 - 28
Max. Supply Pressure	Bar (PSI)	210 (3000)
Max. Supply Flow	LPM (GPM)	90 (23.7)
Max. Output Flow @ 210 Bar	LPM (GPM)	30 - 80 (7,9 - 21)
Max. Output Pressure	Bar (PSI)	345 (5000)

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

### Interfaces

Motor Supply Port	3/4" SAE Code 62 (6000PSI) ISO6162
Motor Return Port	3/4" SAE Code 62 (6000PSI) ISO6162
Motor Drain Port	M22 x 1.5 Female
Pump Pressure Port	3/4" SAE Code 62 (6000PSI) ISO6162
Pump Suction Port	1-1/4" SAE Code 61 (3000PSI) ISO6162
Pump Drain Port	G 1/2" BSP Female
Bellhousing fill port	SWG SS-QC4-B-400 Female

### Electrical Data

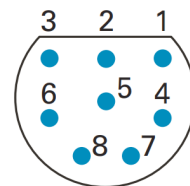
Nominal Voltage	20...30VDC
Signal Type	Ethernet
Connector	55 Series, Shell Size 15, 8-Pins

### Pin-out

### PWR & COMS

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

### Connector Face View



### Dimensions

