

PRESSURE TESTING & TOOLING BACKPACK

DIRTY WORK VALVE PACK
LP AND HP SYSTEM
PRESSURE LOGGING



Description

The Envirent PTTB is designed to reduce cost in subsea operations due to its smart features and multiple applications.

This Backpack is equipped with a Dirty Work Valve Pack with a built-in intensifier to cover multiple needs.

There are four off 4/3 directional valves that are solenoid controlled and operated from the topside control system for normal operation at max. 210 bar.

There is also one LP test line and one HP test line that are solenoid controlled and operated from the topside control system.

Typical Operations

- ▣ Tooling Operations
- ▣ LP Pressure Testing
- ▣ HP Pressure Testing

Features

- ▣ Topside GUI for controlling
- ▣ Normal LP operation valves
- ▣ LP test port 210 bar
- ▣ LP test line with PRRV
- ▣ HP test port 690 bar
- ▣ Digital flowmeter
- ▣ 2 x 16L Compensators
- ▣ 40 L/min Flow Output

▣ The specification details are illustrative for marketing purpose 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.
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SPECIFICATIONS

Pressure Testing & Tooling Backpack

Document No.: EVT-13880

Revision: 0

General Technical Specifications

Type	Envirent Pressure Testing & Tooling Backpack
Part Number	EVT-PTTB
Dimensions L x W x H	1400 mm x 650 mm x 1200 mm
Weight in air / submerged	480 kg / 80 kg
Depth Rating	3000 MSW

Hydraulic Specifications

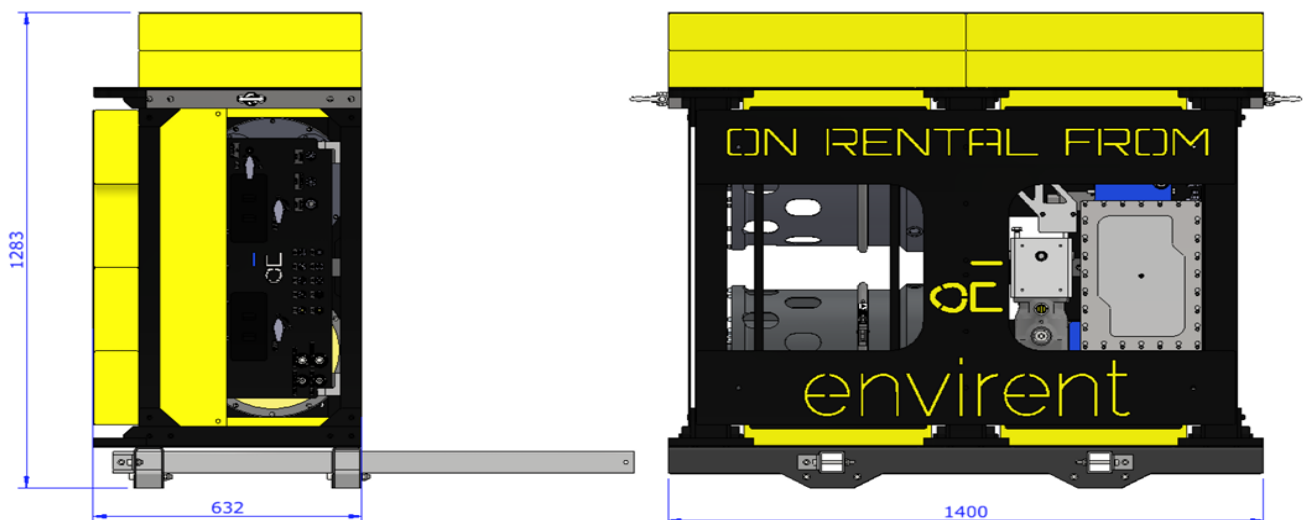
Max. Input Pressure	207 Bar
Max. Output Pressure	207 Bar / *690 Bar on HP Line
Max. Input Flow	75 L/min
Max. Output Flow	40 L/min
Fluid Compability (from ROV)	Mineral Oil (10-200 cST / optimal
Fluid Compability Backpack	Water Based Fluid / Mineral Oil

Hydraulic Interface

Connection ROV Pressure	JIC 8
Connection ROV Drain	JIC 8
Connection ROV Return	JIC 12
Connection Output HP	1/4" BSP
Connection Output LP	JIC 6
Connection 1 A/B – 4 A/B	JIC 6
Connection Fill Valvepack	JIC 6
Connection Fill Bellhouse	Snaptite Quick Connector Female, 3/8"
Connection Fill/Flush	Snaptite Quick Connector Female, 3/8"
Connection Suction Flush	Snaptite Quick Connector Female, 1/2"
	Snaptite Quick Connector Female, 1/2"

Electrical Interface

Communication	Ethernet / RS232
Interface Connector	Glenair 5506-1508
Supply Voltage	24 VDC
Configurable Alarm Set Point	Yes
Water Ingress Sensor	Yes
Ground Fault Monitoring	Yes
Coms. Linke statuses	Yes
Possibility for one more Flowmeter	Yes



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Inventory List:

Items listed in Inventory List are delivered with the equipment as standard.
Any additional equipment must be specified upon order.

Item	Description	Total Qty
1.	Hydraulic Hose ½" Jic 8 Fm – Fm, 4m. SS (Pressure and Drain)	2
2.	Hydraulic Hose ¾" Jic 12 Fm – Fm, 4m. SS (Return)	1
3.	Hydraulic Hose ¾" Jic 6 Fm – Fm, 4m. SS (LP)	1
4.	Hydraulic Hose ¼" Jic 4 Fm – Fm, 4m. SS (Pilot Lines)	4
5.	Hydraulic Hose ¼" Jic 4 Fm – Fm, 4m. SS. 10 K. (HP)	1
6.	Computer Laptop ink VJU Software and power charger	1
7.	Connector Subsea Glenair G55A1-1508-0000 Dummy	1
8.	Cable Subsea Pigtail Scorpion 55A1-1508. 5m	1