MULTIFLUID DIRTY WORK BACKPACK

DIRTY WORK VALVE PACK
LP AND HP SYSTEM
PRESSURE LOGGING

Description

The DWVP-MBP 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.

Features

- ☐ Topside GUI for controlling
- ☐ Normal LP operation valves
- ☐ LP test port 210 bar
- ☐ HP test port 690 bar
- ☐ Digital Flowmeter
- ☐ 2x 16l Compensators
- ☐ 40 L/min Flow Output

Specifications

DWVP-MBP

General Technical Specification

Type	Dirty Work Valve Pack Backpack
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

Electrical Data

Supply Voltage	24 VDC
COMS	RS232 or Ethernet
Interface Connector	GlenAir G5506-1508
Configurable Alarm set points	Yes
Water Ingress Sensor	Yes
Earth Fault Monitoring	Yes
Coms. Link statuses	Yes

Hydraulic Input Data

Supply Pressure (from ROV)	207 Bar
Supply Flow (from ROV)	75 L/min
Fluid Compatibility Supply (from ROV)	Mineral Oil (10 - 200 cSt / optimal 25 - 35 cSt)

Hydraulic Output Data

Working Port 1A – 4B	Max. 207 Bar
LP Test Port	Max. 207 Bar
HP Test Port	Max. 690 Bar
Fluid Reservoir	32 L
Suitable Fluid	MEG, Water-based Glycol, HW-type, Transaqua or similar

Hydraulic Connections

ROV Pressure	AN Bulkhead Union, JIC 6
ROV Retur	AN Bulkhead Union, JIC 6
ROV Drain	AN Bulkhead Union, JIC 6
Fill Valvepack	Snaptite Quick Connect Female, 3/8"
Fill Bellhouse	Snaptite Quick Connect Female, 3/8"
Fill / Flush	Snaptite Quick Connect Female, 3/8"
Suction Flush	Snaptite Quick Connect Female, 3/8"
1A – 4B	AN Bulkhead Union, JIC 6
LP	AN Bulkhead Union, JIC 6
HP	Fixed Bulkhead, 1/4" BSP

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