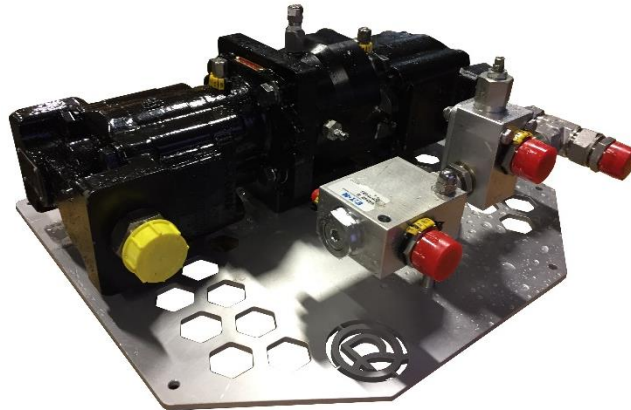


RQ-083 – 0-100 L/min Dirty Work Pack (DWP)



Key Features:

- Reliable motor and pump.
- Efficient output ratio.
- Protects ROV circuit from contamination.

WHATS INCLUDED

DWP
Filter
Operational hoses
Operations Manual
Certificate Pack

OPTIONS

Spares Kit.
Pressure Compensator.

Description

The 100 L/min Dirty Work Pack (RQ-083) is designed to protect the hydraulic circuit of the ROV against external contamination during fluid transfer operations.

It utilises a hydraulic motor powered by the ROV hydraulic circuit to drive a pump which supplies the delivery fluid from an external compensated reservoir.

This configuration isolates the ROV hydraulic circuit from the delivery fluid circuit and therefore prevents the ingress of contaminants from the external equipment or seawater into the ROV circuit.

The Pressure to the hydraulic motor is controlled by the vehicle, the system is designed to be connected to the proportional, high-flow connection on the vehicle as there is no start / flow control function on the input.

The hydraulic motor drives the delivery fluid pump via a driveshaft.

The delivery fluid is stored in a spring, compensated reservoir and is controlled on the Output of the pump via the controlling manifold (RQ-083-002).

The controlling manifold houses a Pilot-to-close check valve and a Pressure relief valve.

The Pilot-to-close check valve allows the delivery fluid to flow to tank. Once the valve is piloted, the fluid then goes to the Output port. The relief valve is set to 3000psi (207Bar).

The fluid is supplied at a working pressure of 3000 psi at a flow rate of up to 110 L/min.

RQ-083 – 0-100 L/min Dirty Work Pack (DWP)

Overall Specifications	
Weight in Air	70.5 Kg
Dimensions	L540 x W450 x H215mm
Suitable Media	Hydraulic Oil
Input / Outputs	
Max Input Pressure	210 Bar (3000 PSI)
Max Input Flow	180 L/min
Max Output Pressure	210 Bar (3000 PSI)
Max Output Flow	130 L/min
Hydraulic Connections	
Pressure	16 JIC
Return	20 JIC
Outputs	16 JIC
Case Drain	4 JIC
Suction	1.5" Hose