

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



The 100 L/min Dirty Work Pack 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.

Specifications

Product	0-100 L/min Dirty Work Pack (DWP)
Country of origin	UK
Manufacturer	Centurion Group

Key features

- Full proportional pressure control
- Robust design
- Adaptable – can control multiple outputs
- Different pressure and flow options available

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. 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.

Overall specifications

Weight in air	70.5 Kg
Dimensions	L540 x W450 x H215mm
Suitable media	Hydraulic Oil

Input/ Output

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
Pilots	4 JIC
Gauge points	1.5"Hose