

0-120L/min Dirty Work Pack (DWP)



The 120 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.

The input of the hydraulic motor is controlled by a Flow Control Valve and a Pilot Operated Check Valve vehicle. The hydraulic motor drives the delivery fluid pump via a driveshaft. The delivery fluid is to be stored in a spring compensated reservoir. The delivery fluid is supplied at a working pressure of 3000 psi at a flow rate of up to 180 L/min.

Specifications

Product	0-120L/min Dirty Work Pack (DWP)
Country of origin	UK
Manufacturer	Centurion Group

Key features

- Easy to source reliable motor and pump
- Efficient output ratio
- Protects ROV circuit from contamination

Overall specifications

Weight in air	70.5 Kg
Dimensions	L640 x W480 x H345mm
Suitable media	Hydraulic Oil

Input/ Output

Max input pressure	275 Bar (4000 PSI)
Max input flow	70 to 180 L/min
Max output pressure	210 Bar (3000 PSI)
Max output flow	50 to 120 L/min

Hydraulic connections

Pressure	12 JIC
Return	16 JIC
Outputs	16 JIC
Pilots	8 JIC
Gauge points	2"Hose