

22KW Hydraulic Power Unit

Specialist ROV Tooling Services Ltd presents the 22KW Hydraulic Power Unit (HPU), a complete power generation system designed to convert electrical input into a useable hydraulic power source for local supply to hydraulically operated tools and machinery. Primarily designed for the offshore industry to run an ROV system in power mode whilst additionally capable of function testing a complete ROV package with any associated tooling requirements attached, the system can also be used for many other hydraulic power applications both onshore and offshore.

The hydraulic circuit is split in to 2 separate systems. The main system allows output of a single pressure and flow to a maximum of 250Bar and 55L/min. The Directional Control Valve system, allows adjustable pressure via a pressure reducing valve providing an additional selectable output range from 0–250Bar at the same time.

The onboard CJC unit is designed to provide fine filtration and water separation capable of cleaning hydraulic oils to 3 microns absolute, ensuring trouble free operation of ROV hydraulic systems where water ingress is a constant problem.

The HPU is contained within a bespoke offshore certified lifting frame constructed from 316 Stainless Steel, load tested, approved and fitted with fully offshore certified lifting equipment so it's ready and safe to move as soon as you need it.

- Pressure 250 Bar (3600psi)
- Flow 55Lmin
- 6micron Pressure filter (non bypass)
- 25micron Return filter
- Electrical power 22KW
- Electrical supply 440VAC
- 1000W Thermostatically controlled heater
- Reservoir capacity 200L
- Wired for Star/Delta with breakers & emergency stop c/w 10m flying lead
- Hydraulic soft start
- Relief valve
- Pressure gauges
- CJC Oil water separator
- Oil cooler
- Offshore certified lifting frame c/w forklift pockets
- Frame and tank constructed from 316 Stainless Steel
- 2 Bank Directional Control Valve (c/w mechanical Detents) and separate pressure control
- Dimensions (L)1300 x (B)1000 x (H)1000mm
- Weight 1Te
- Can be supplied to operate with Mineral Oils or Water/Glycol mix

