MINT MECH SPECIALIST ENGINEERS

HYDRAULIC POWER UNITS / RENTAL OR PURCHASE

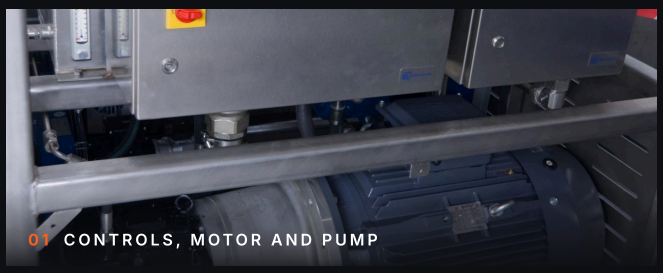
Hydraulic power, sized to the duty.

Hydraulic power units for rental or purchase, and units built to the duty. Working pressures up to 420 bar.

420 bar
WORKING PRESSURE, UP TO

6
UNITS IN THE RANGE

50/60 Hz
MARINE MULTI-FREQUENCY



01 CONTROLS, MOTOR AND PUMP

MINTMECH HPUS / WHAT WE SUPPLY

Standard, integrated or retrofit. Standard deck-mounted units, units fully integrated into MintMech machinery and HPUs retrofitted into existing equipment, for offshore, marine and heavy-industrial applications.

PRESSURE AND FLOW

Tailored to duty, from low-flow auxiliary systems to very high-flow, high-power installations, including working pressures up to 420 bar.

SPECIALIST DUTIES

We also build battery-powered, subsea, remote and compact HPUs.

01 / EFFICIENCY

Handled at system level.

Variable-displacement pumps, inverter control where appropriate, accumulators and proportional valves, applied selectively to match the duty cycle.

02 / CONFIGURATION

Matched to the circuit.

Load-sensing and pressure-compensated operation, open- or closed-centre, open- or closed-loop control, hydrostatic drives and constant-tension operation.

03 / POWER AND DRIVE

Electric or engine driven.

Marine multi-frequency (50/60 Hz) supplies; soft-start, star-delta or variable-frequency drives; radio remote operation.

04 / RANGE

Rental or purchase.

Designs we have built and can supply again, with certification to suit the duty, configurable to your project at commissioning.

BESPOKE BUILDS

Beyond the standard range, we design and build new HPU systems to any duty, bespoke and machine-integrated, from low-flow auxiliary packs to very high-flow installations.

TECHNICAL SPECIFICATION

MINT MECH SPECIALIST ENGINEERS

Our HPU range.

Supplied with certification to suit the duty. Each is a design we have built and can supply again. All are configurable to your project at commissioning.

HPU RANGE - RENTAL OR PURCHASE

High-pressure electrohydraulic HPU	30 kW electric, 415 V 3-ph. To **420 bar** working; ~195 L/min at 60 bar to ~42 L/min at 420 bar. Load-sensing compact skid, ~500 L stainless reservoir, 6-micron HP filter, single-lever radio walkaround remote, RH auto-shutdown. **In stock for hire.**
Compact wheeled workshop and backup HPU	22 kW electric. 70–350 bar run, **420 bar test**; ~200 L/min main plus 50 and 25 L/min service. Dual-tank: 180 L internal plus 340 L booster tank, offline air-blast cooler, stainless, wheeled, 6 operating modes. **For sale.**
High-flow LARS HPU	55 kW plus 11 kW backup pump set. Load-sensing, **~290 L/min**. ~1,200 L stainless, 6-micron HP / 25-micron return filtration, PLC plus radio walkaround remote (8 stations). **For sale.**
High-flow twin-pump HPU	2 × 75 kW (90 kW at 60 Hz). 250 bar (to 280 cont.), 345 bar test; combined **~470 L/min**. 1,250 L 316L stainless, oil-to-seawater cooler, twin-pump redundancy, DNVGL-rated frame and lift set. **Engineered to order.**
Compact battery-electric subsea / remote HPU	~2 kW electric, Li-ion battery. **200 bar**, compact, low-flow. Atmospheric enclosure rated for 100 m submersion, all-stainless pipework, wireless acoustic plus radio remote, DNV-GL. **Engineered to order.**
Diesel HPU	45 kW diesel, independent of vessel power. To **320 bar**, up to 145 L/min. ~300 L reservoir, ~150 L fuel tank, 4-point lift, forklift pockets and tie-downs, containerised, deck-ready. **In stock for hire.**

POWER & DRIVE

Drive to suit.

- **Drive** - electric or internal-combustion.
- **Supply** - marine multi-frequency (50/60 Hz).
- **Starting** - soft-start, star-delta or variable-frequency drives.
- **Control** - radio remote operation.

CONFIGURATION

Matched to the duty.

- **Pumps** - load-sensing or pressure-compensated.
- **Circuits** - open- or closed-centre; open- or closed-loop.
- **Drives** - hydrostatic, for winches and large motors.
- **Constant tension** - constant-tension operation.

SUPPLY

Stock or to order.

- **Rental or purchase** - units from the range.
- **Bespoke** - new systems to any duty.
- **Machine-integrated** - built into MintMech machinery.
- **Retrofit** - into existing equipment.

Contact us

Send us the pressure, flow and power supply you need.

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