



Hydraulic Mini Power Units
Introduction



Compact.
Quiet.
Efficient.



Standard & Custom Design

Designed to function in wide and varied applications Related Fluid Power **standard and custom** Hydraulic Mini Power Units (MPUs) are up to the task. From simple motor pump units to multi-functional power unit assemblies, we can provide solutions that fully **meet our customers' expectations** of performance, quality and cost.

Continued investment in design and manufacturing, together with our **wide application and engineering experience**, has not only allowed us to develop our latest range of standard MPUs but has enabled us to provide our **OEM customers** with custom power unit systems to specifically meet requirements in terms of flexibility, power, control and size.

Compact - Quiet - Efficient

By listening to our customers and with strong focus on efficient operation, our current MPUs are probably the most **compact and advanced** designs to date.

Driving our designs, it has been our strong belief where installed power should be transmitted **effectively and efficiently**. This is especially important in today's World where **energy cost reduction** and **minimal environmental impact** is paramount.

Our specification of high quality, specially developed and precision manufactured parts has also allowed us to create MPUs which are considered as **quiet** in operation. This added benefit allows us to offer solutions for markets and applications where noise is an issue.



Typical Power Unit Options

- DC motors: 12vdc, 24vdc, 48vdc, 80vdc (150W – 5.5kW).
- AC motors: 1ph – 110vac, 220/240vac
3ph - 380/415vac (0.25kW – 4kW).
- Pumps: 0.19cc – 9.8cc (up to 320 bar).
- Reservoirs: 0.1 litres – 50 litres (and above).
Including totally sealed systems.

Typical Control Options

- Lift – check – solenoid lower.
- P & T ported / Flange interface.
- Various flange on controls for single and double acting applications.
- Custom cartridge valve systems (integral, flanged and in-line).
- Types of operation: Solenoid, manual, mechanical, sequence, proportional.
- Manual override and emergency hand pump options.
- Solenoid coil voltages: Various DC and AC voltages.
- Sol. coil terminations: EN 175301-803, Flying Leads, Dual spade.
- Environmental proofed sol. coils: Deutsch, AMP Superseal, AMP Jr. Timer, Metripak.
- Pendant controls.

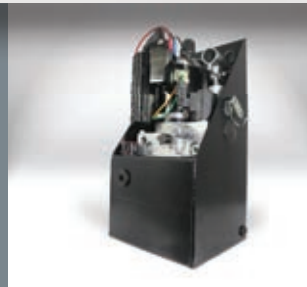
Customer Support

Being totally **customer focused** forms the basis of all our activities at Related Fluid Power. Whether this is processing and supplying a customer's order or commencing with engineering and designing a custom power unit for a new machine, our aim throughout is to work closely with our customers and offer **total support** at all times.



Our Markets

- Material Handling - Scissor Lifts, Tail Lifts & Lift Table
- Aircraft Ground Support
- Access Platforms
- Security & Parking Barriers
- Patient Handling
- Disability Lifts - Domestic, Commercial & Vehicle
- Construction
- Agriculture
- Light Industrial
- Marine
- Leisure & Entertainment





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