

Hydraulic Submersibles



SPP Pumps manufactures a comprehensive range of hydraulic submersible pumps in the Hydra range. Covering the widest extent of applications with over 30 highly efficient pump ends, which are available in various material options to suit the application. This provides the market with one of the largest ranges of hydraulically driven submersible pumps in the world. Driving these pumps is a range of over 25 power pack combinations to ensure optimum performance and efficient matching of the overall package.

The design of the pump ends provide an enhanced performance and a range that covers medium and high head as well as high flow applications. The Autoprime Hydra product ranges from 32mm (1.25") to 450mm (18") discharge with heads up to 130m (425ft) and flows up to 2,300m³/h (10,100 USgpm).



SPP PUMPS

The pumps provide excellent solids handling up to 200mm diameter (8") including the capability of handling stringy solids. Materials offered include aluminium, ductile iron, high chrome alloy and stainless steel with a further option for hard faced mechanical seals. Where applicable, renewable wear plates are incorporated into the design.

A wide range of impellers are used from vortex, channel, axial and screw type to ensure the maximum coverage of application for the user such that the right product can be supplied for the job.

The Autoprime Hydra range uses biodegradable oil with consideration to the environment and is intrinsically safe and able to operate in remote areas without the need for mains power. All power packs are capable of variable speed to ensure optimum performance whilst allowing efficient operation. In some circumstances, several pump ends can be run off one power pack. Power packs use the latest emission compliant engines and are available from 6 hp to 200 hp ratings on wheeled chassis or skids in open or canopied configuration for noise attenuation.

The HydraPaQ configuration offers a number of benefits. By combining the up to date qualities of the successful compact Q-Series canopy design concept with the proven and reliable hydraulic drive technology.

This provides a power pack with compactness and mobility whilst also offering the benefits of a silenced unit to low noise levels expected to cover environmental considerations.

All power packs incorporate electric start and automatic shutdown in the event of low engine or hydraulic oil and high engine or hydraulic oil temperature.

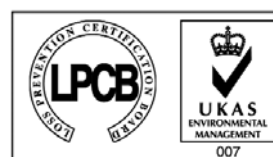
The SPP Hydra range offers numerous benefits and a differentiated solution.

Key Features and Benefits:

- Comprehensive choice of over 30 pump ends and over 25 power packs to ensure efficient matching
- Efficient, variable speed drive provides excellent fuel-savings
- Proven and reliable designs
- Sound attenuated power packs available
- Use of biodegradable oil as standard
- No electrical hazard as encountered with electric submersibles
- Pump ends can be bolted inline to become booster pumps
- Compact dimensions to allow access through manholes
- Minimal maintenance and low maintenance costs
- Easy set-up can be operational in a very short time
- Can be used in hazardous environments



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