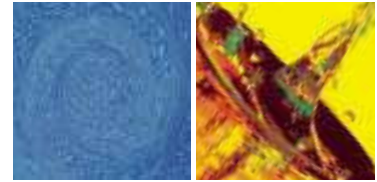


# Q-Series Range



The SPP Autoprime range is a proven, versatile and comprehensive product range suitable for use in a variety of applications worldwide.

The Autoprime is primarily sold to rental organisations, contractors, utility companies, open cast mines and municipalities providing a durable solution to all your needs.

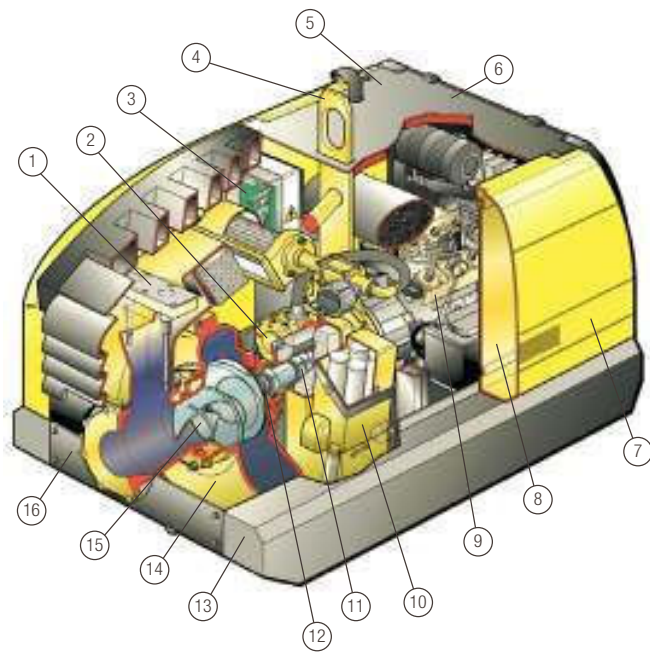
The award winning Q-Series range offers numerous benefits, these being adopted into other products. The Q-Series offers a differentiated solution with proven latest technology providing an environmentally friendly package such as with full liquid containment, excellent fuel savings and sound attenuated canopies. Operating benefits include durability, reliability and excellent performance with elongated solids handling capability.

SPP has also built excellent low-life cost benefits into the designs to ensure maximum return on your capital expenditure. Reduced maintenance through the use of quality materials and low fuel consumption greatly assist in this area.

## Typical Applications:

- Ground water control
  - Mine dewatering
  - Wellpoint dewatering
  - Industrial sludge pumping
  - Tank sediment cleaning
  - Flood relief
  - Emergency service pumping
  - Pipe relining
  - Marine ballasting
  - Sewage over-pumping
- Plus many more





## Design Features

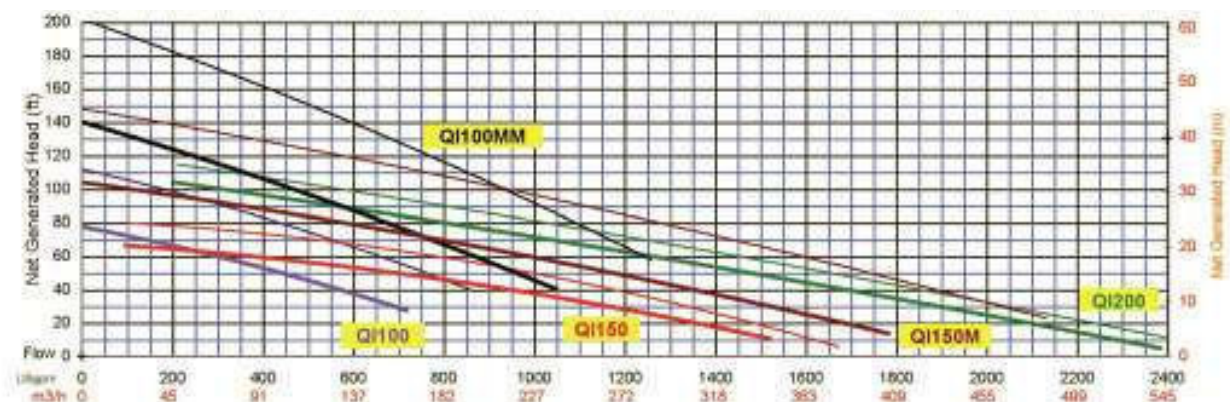
- 1 Minimal moving parts in priming system
- 2 Durable 65 cfm vacuum pump
- 3 Patented 'SmartPrime' system
- 4 Single point lifter
- 5 Lockable canopy totally enclosing unit
- 6 Lockable control panel
- 7 Impact resistant doors and louver panel
- 8 Excellent sound attenuation
- 9 Latest emission compliant engines
- 10 Clear air coalescence system
- 11 Heavy-duty shaft and bearings
- 12 Double mechanical seal
- 13 Large double skin fuel tank
- 14 High efficiency pump hydraulics
- 15 Double spiral-vane impeller
- 16 Compact manoeuvrable design

## Some Benefits are:

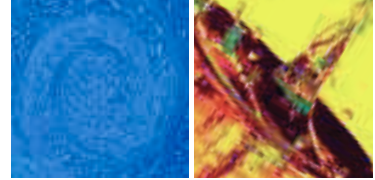
- Noise level down to 65 dB(A) at 23ft (7m)
- Use of latest emission compliant engines
- Significant fuel savings through SmartPrime (patented) technology
- Reduced vacuum pump wear through SmartPrime technology
- Reduced maintenance requirements with durability of product
- Leak-free double mechanical seal arrangement
- Improved flow and head performance
- Elongated solids handling through improved impeller design
- High interchangeability of parts requiring reduced stock-holding
- Compact and manoeuvrable unit
- Liquid containment to 110% capacity
- Large fuel tanks providing up to one week running
- Fully canopied package providing a high degree of protection from tampering
- Four pump sizes covering seven models in one canopy design
- SMS text messaging system for remote monitoring
- Auto stop/start system via level float switches

A very durable and versatile unit providing improved performance and significantly reduced running and whole-life costs.

## Q Series Pump Range Chart



# Medium Head Open Set



The SPP Autoprime range is a proven, versatile and comprehensive product range suitable for use in a variety of applications worldwide.

The Autoprime is primarily sold to rental organisations, contractors, utility companies, open cast mines and municipalities providing a durable solution to all your needs.

The Autoprime range of AC, L, PM and PE general purpose pumps offer the advantage of the lower cost package but with the opportunity to pick and choose the level of technology that is required.

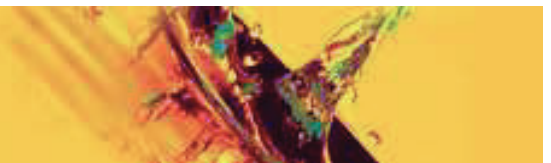
The AC (Air Cooled) L (Long Coupled) ranges are the traditional range that has been in use for many years in many applications. The range offers a slightly higher head capability than the PM/PE range. Pump sizes from 2" (50mm) to 8" (200mm).

The PM Series range brings in more efficient pump ends with a higher flow capability than the L Series and elongated solids handling capability. Fitted with a mechanical priming system identical to the L Series but with the added benefit of the low emission coalescer and higher capacity vacuum pump as used on the Q-Series range.

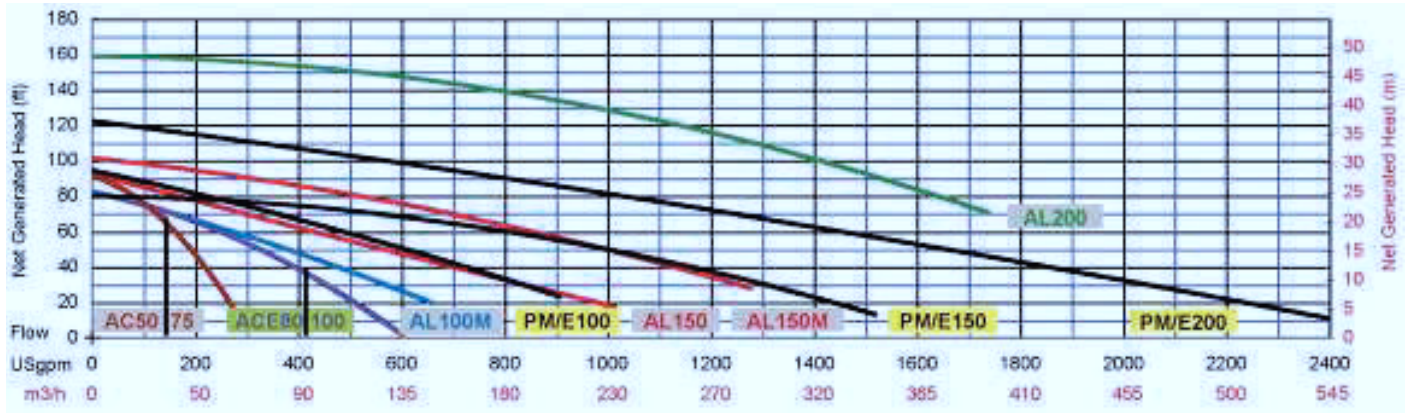
The PE series takes the technology a stage further in addition to those benefits experienced with the PM range there is the added bonus of the electric priming system that senses when the pump is primed saving on fuel costs and wear & tear. The PE priming system is identical to that used on SPP's award winning Q-Series.

## Typical Applications:

- Ground water control
- Mine dewatering
- Wellpoint dewatering
- Industrial sludge pumping
- Tank sediment cleaning
- Flood relief
- Emergency service pumping
- Pipe relining
- Marine ballasting
- Sewage over-pumping
- Plus many more



## Medium Head Open Sets Range Chart

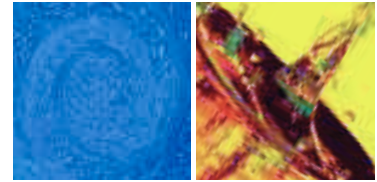


### Key Features and Benefits:

- Low emission coalescer (PM/PE)
- Fuel savings with SmartPrime electric priming (PE)
- Leak free double mechanical seals
- Dry running capability
- Customer choice of the latest emission compliant engines
- High interchangeability of parts
- Heavy duty shaft and bearings
- High efficiency pump hydraulics
- Heavy duty and durable vacuum pump
- Reduced maintenance
- Integrated central lifter
- Excellent flow and head performance
- Excellent solids handling capability
- Quality design and parts offering durability
- Comprehensive range from 2" (50mm) to 8" (200mm)
- Proven technology



# High Head



The SPP Autoprime range is a proven, versatile and comprehensive product range suitable for use in a variety of applications worldwide.

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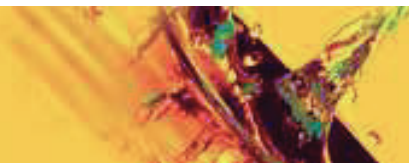
The Autoprime range of HH and XH High Head pumps offer excellent performance with solids handling capability and hard wearing materials. The comprehensive range offers a pump for most applications.

The High Head range covers five models from the unique Q-Series style 3" (80mm) acoustic unit through to 6" (150mm) units with head capability up to about 650ft (200m). All units are mechanically sealed and are available with either mechanical priming or electrical SPP SmartPrime.

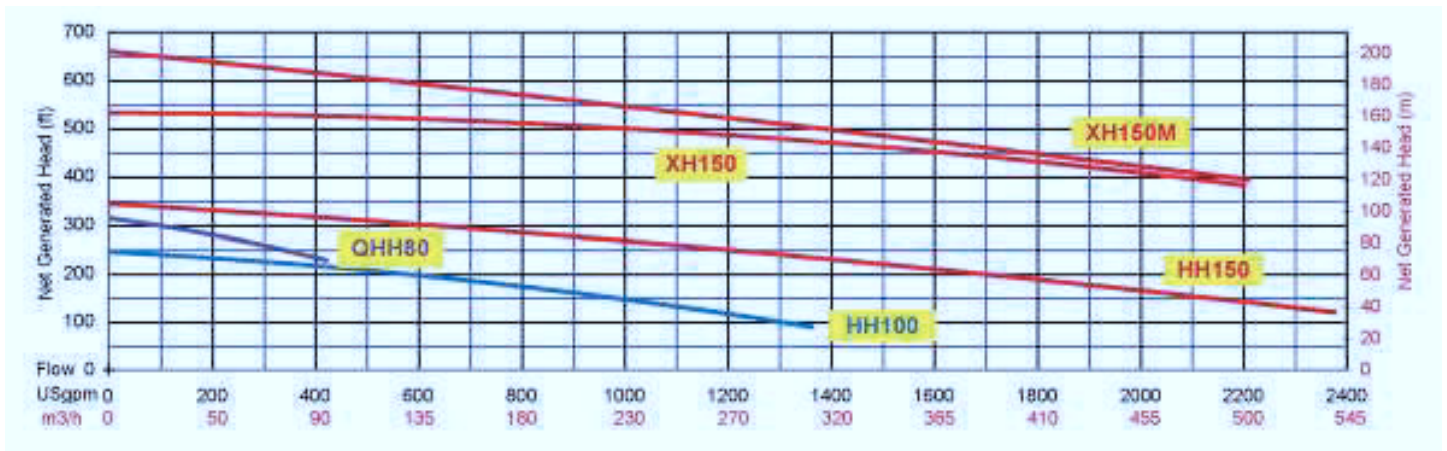
## Typical Applications:

- Ground water control
- Mine dewatering
- Wellpoint dewatering
- Industrial sludge pumping
- Tank sediment cleaning
- Flood relief
- Emergency service pumping
- Pipe relining
- Marine ballasting
- Pressure boosting
- Temporary fire cover

Plus many more



## High Head and Extra Head Pump Range Chart

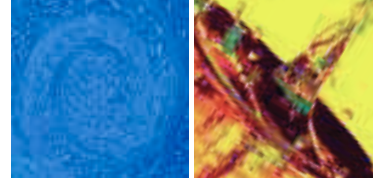


### Key Features and Benefits:

- Low emission coalescer
- Fuel savings with SmartPrime electric priming (PE)
- Minimal moving parts in the priming system
- Leak free mechanical sealing
- Customer choice of the latest emission compliant engines
- High interchangeability of parts
- Heavy duty shaft and bearings
- High efficiency pump hydraulics
- Heavy duty and durable vacuum pump
- Reduced maintenance
- Excellent flow and head performance
- Excellent solids handling capability
- Quality design and parts offering durability
- Comprehensive range from 3" (80mm) to extra high head 6" (150mm)
- Proven technology



# High Flow Range



The SPP Autoprime range is a proven, versatile and comprehensive product range suitable for use in a variety of applications worldwide.

The Autoprime is primarily sold to rental organisations, contractors, utility companies, open cast mines and municipalities providing a durable solution to all your needs.

The Autoprime range of XF High Flow pumps offer superior performance with high flow capability combined with higher head characteristics, providing a very versatile durable pump for numerous applications. The SPP double spiral vane designed impeller also provides for excellent suction lift performance with solids handling up to 4.4" (110mm) diameter.

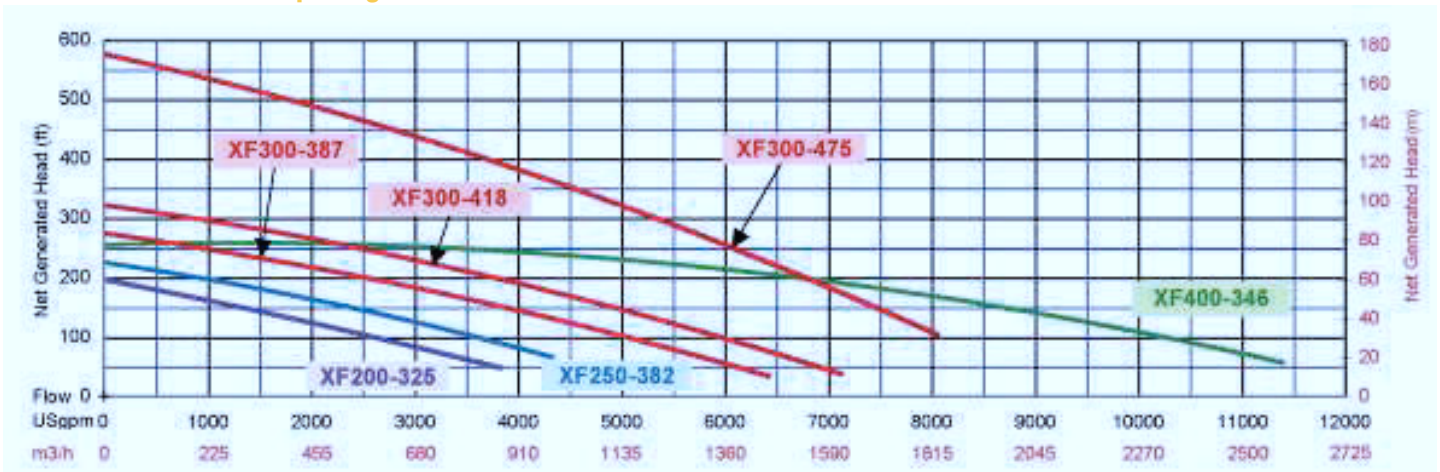
The XF core range is from 8" (200mm) to 16" (400mm) discharge and utilizes the SPP SmartPrime electric priming technology that disengages the priming system when the pump is primed. Alternatively, it is also available with the mechanical priming system.

## Typical Applications:

- Ground water control
  - Mine dewatering
  - Wellpoint dewatering
  - Industrial sludge pumping
  - Tank sediment cleaning
  - Flood relief
  - Emergency service pumping
  - Pipe relining
  - Marine ballasting
  - Sewage over-pumping
- Plus many more



## Extra Flow Pump Range Chart

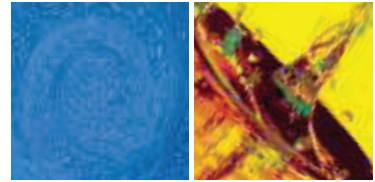


### Key Features and Benefits:

- Low emission coalescer
- Fuel savings with SmartPrime electric priming (PE)
- Minimal moving parts in the priming system
- Leak free mechanical sealing
- Customer choice of the latest emission compliant engines
- High interchangeability of parts
- Heavy duty shaft and bearings
- High efficiency pump hydraulics
- Heavy duty and durable vacuum pump
- Reduced maintenance
- Excellent flow and head performance
- Excellent solids handling capability
- Quality design and parts offering durability
- Comprehensive range from 8" (200mm) to 16" (400mm)
- Proven technology



# 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 2,300m<sup>3</sup>/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

