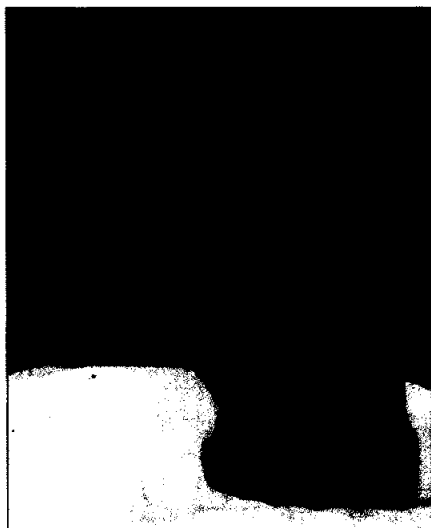


Portable submersible

Self-cleaning flood protection



Pumps from Wilo Salmson's Subson range.

Wilo Salmson has recently launched the Subson range of portable pumps, which are designed for removing drainage water from flooded cellars, basin sumps and similar areas.

The lightweight submersible pumps have capacities up to 15 m³/h and delivery heads of 11 m. The pumps feature a flexible float lead which allows them to pump water as

shallow as 14 mm. The pump designs incorporate double water-proofing consisting of mechanical packing in the oil chamber and a lip seal. The bearings are lubricated for life. As an option, the pumps are available in harsh-water versions for pumping sea water, swimming pool water or the output from softening devices.

Subson pumps also feature the patented SAN self-clean system. This recycles pumped water to clean out the sump and prevent fouling.

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Jet pump

Robust handling of abrasives

Genflo has introduced a versatile, general-duty jet pump, the S-Pump, that can transfer solids and liquids over substantial distances.

The pump is made from austenitic stainless steel and brass and is resistant to most chemicals, cleaning fluids, abrasives, acids and alkalis. It has no moving parts and is powered by any available fluid supply, for example compressed air, water, steam or oil. The pump is self-priming and can be used as a submersible pump, a hopper or as a powerful vacuum pump.

Applications for the S-Pump include cleaning tanks, mopping up spillages and removing gritty or abrasive materials from pits, silos and channels. Transfer rates depend upon the configuration, the horizontal discharge distance and the vertical lift. Over short distances and low lifts, solids discharge rates can be as high as 50 ton/hr. Over a horizontal distance of 300 m or with a vertical lift of 30 m, this drops to 5 to 10 ton/hr.

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Jumbo

Contractor pump range expanded

ABS has added a new model to its Jumbo range of contractor pumps for dewatering construction sites, mines, ships, docks and flooded areas. The new Jumbo 205 pump is a 21 kW pump and is designed for instant use.

Installation of Jumbo pumps is easy and the pumps can be made available for immediate use. The pumps are portable, having a compact and lightweight design combined with powerful motors.

To ensure reliable performance the pumps are equipped with built-in motor protection and the motor is fully encapsulated. A robust cooling jacket and output position guarantees optimal cooling of the motor. In addition the Jumbo 205 offers overload protection, having thermal sensors in the motor windings.

All Jumbo pumps have adjustable hydraulic sections to maintain high pump efficiency, utilising rubber-lined wear parts and open multi-vane impellers in hardened chrome iron.

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Ultra high pressure

Vertical pump generates 3000 bar

A new ultra-high pressure vertical pump capable of generating 3000 bar has been developed by Hammelmann to bring improved operational efficiencies, typically in the practice of hydroblast cleaning.

The design of the new pump, model HDP114, is based on a well proven labyrinth plunger seal that has enjoyed tremendous success and proven reliability. Over 2000 Hammelmann units are currently in use worldwide. When initially introduced this type of seal was an innovation in reducing pump maintenance

since it did not contain any of the conventional packing, gaskets or sealing rings between the plunger and cylinder. The design has now been taken a stage further to build on the existing user benefits to create a compact pump that is more effective and offers the opportunity for improved cost-efficient practical applications.

The new HDP114 pump features a dynamic plunger sealing system that is basically a self-adjusting, wear absorbing, easily replaceable labyrinth insert. It is this component that has paved the

way forward for the performance of the new 3000 bar pump with maximum volumetric efficiency.

The complete liquid end of the Hammelmann pump has been redesigned and now has the least number of parts of any ultra high-pressure pump on the market today. The valve set, for example, contains only two seals.

At the heart of any good pump is a tough but precisely engineered crank section (drive-end) and this is true of the new HDP114 UHP pump where crank section calculations are made

using the 'finite element' method. The end results are a compact vertical pump with a high power-to-weight ratio and one that is designed for long working life under continuous load conditions.

The HDP114 pump is available in the UK through its exclusive sales agent Calder Pressure Systems.

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