

EFFICIENT, HYGIENIC PUMPING SOLUTIONS



SPX has built up an impressive number of brands with an expansive range of pumps suitable for applications within a wide range of industries including food, beverage, dairy and pharmaceutical. The pumps are focused on reliability and efficiency to enable productivity to be maximized and are delivered in hygienic designs to assure sanitary operations.

APV brand W+ centrifugal pumps have exceptionally high efficiency impellers and are designed for ultra-hygienic processing. They operate with low noise, reduced vibration and have heavy walled pump cases to ensure efficiency at high system pressures. A wide choice of models is made available to closely match application needs and maximize pumping efficiency. Efficiency is further optimized with the direct transfer of liquid from inlet to outlet through the use of a state-of-the-art APV spiral volute on the pump back-plate.

The W+ range of pumps have special modular options that allow the range to handle some challenging applications. The Wi+ is a modified W+ pump that uses modular parts to add an inducer. It reduces the risk of cavitation, handles low net positive suction head (NPSH) and is able to pump higher viscosity products that are not normally efficient in centrifugal pumps. The Ws+ is a self-priming pump, ideal for CIP return or applications where air or foam is present in the fluid. Also within the range is the Whp+ model which offers high pressure capability of up to 60 bar (870 psi) and the Wa+ aseptic pump

which has double seals throughout with special aseptic fittings for sterile flushing.

APV W+ pumps assure hygienic operation and all models have 3A and EHEDG approvals. The whole range is ideal for clean in place (CIP) and sterilize in place (SIP) duties and their hygienic design gives no hiding places for bacterial growth. They are easy to clean and offer reduced cost and time for maintenance and repairs. Overall they offer a highly efficient and cost effective hygienic pumping solution.

The SPX Waukesha Cherry-Burrell brand provides the Universal Series 1 and 2, which include a wide selection of low slip, hygienic positive displacement (PD) pumps. A close fit between the rotors and pump body is made possible through the use a high-performing, non-galling rotor alloy, Alloy 88, which helps ensure low slip operation with high volume efficiency even at low viscosities. Hygienic operation is assured with stainless steel pump bodies and a rotor/shaft connection that is sealed from the product zone.

Models within the Universal Series offer bi-directional flow without loss of performance through a completely symmetrical design. The pumps have large rotor fluid cavities and anti-cavitation ports which make them ideal for a wide range of fluids including flows that are of high viscosity and/or contain large particulates. The ranges offer excellent reliability with heavy-duty frames, large diameter shafts and grease lubricated bearings. Productivity can be optimized with approval for CIP duty or clean out of place (COP) applications with fast, easy disassembly and re-assembly.

SPX offers many pumping solutions to suit application and budget requirements and, also from the Waukesha Cherry-Burrell brand, come the economically priced C-Series closed coupled centrifugal pumps. These pumps have clever features to assure long, reliable operation with easy maintenance for flow rates up to 900 gallons per minute.

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