

TRANSFORMING PRODUCTION WITH ADVANCED PUMP TECHNOLOGY

Universal 2 ND (U2 ND) Positive Displacement Pump

Challenge

A leading manufacturer of consumer cleaning products faced a critical challenge while preparing to launch a medium-viscosity oxidizing cleaner. Their production lines used a mix of pump technologies, including air-operated diaphragm pumps, progressive cavity pumps and gear pumps. To standardize operations across five new fill lines, they needed a robust, cost-effective pump solution capable of handling the demanding application while reducing long-term costs.

Solution

The manufacturer adopted the Waukesha Cherry-Burrell® (WCB) U2 ND Positive Displacement Pump, recommended by their local distributor. This external circumferential piston (ECP) style pump, designed specifically for industrial applications, addressed their needs through its durable construction with non-galling Alloy 88 rotors, which could handle medium-viscosity fluids in harsh environments. Its high-efficiency design minimized energy consumption and maximized throughput while its compact footprint reduced floor space requirements compared to progressive cavity pumps. The pump's simplified design required fewer parts, resulting in significantly lower maintenance costs and downtime. By switching to the WCB U2 ND, the manufacturer was also able to standardize their pump technology across all fill lines, streamlining maintenance and operations.

Result

The transition to the ECP-style pump delivered significant benefits for the manufacturer. Improved efficiency streamlined production processes, reduced downtime and enhanced overall throughput. The pump's durable construction and reliable performance lowered total ownership costs by reducing maintenance needs and extending equipment lifespan. Standardizing pump technology simplified operations, reduced inventory complexity and made staff training more efficient. Additionally, the pump's consistent, reliable performance ensured smooth operations and high-quality production across all fill lines. This solution not only addressed the manufacturer's immediate challenges but also set a new standard for industrial pumps with its reliability, efficiency and cost-effectiveness.



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