AFX PUMPS
IN CHEMICAL PROCESSING

peristaltic hose pumps

Within the chemical industry, high demands are placed upon pumps to ensure uninterrupted production and compliance with health and safety regulations. Fluid containment and chemical compatibility are essential. AFX pumps not only provide process improvements and cost savings, but have distinct benefits over other pump types:

- Fluid containment entirely within the hose with no seals or glands.
- Low shear pumping.
- High degree of accuracy and repeatability.
- Long pump life and low maintenance.
- Dry-running and self-priming capability.

With the pumped fluid contained entirely within the pump hose, only the hose and connections need be selected to withstand any chemical attack from the process fluid, often negating the cost for expensive pump housing options or special coatings. In environments where the atmosphere is corrosive, AFX pumps can be supplied with stainless steel housings and support frames. The gentle action of AFX pumps incorporating roller technology allows for very low shear pumping. Thus, shear sensitive products can be handled without damage to the product.

AFX HOLDINGS

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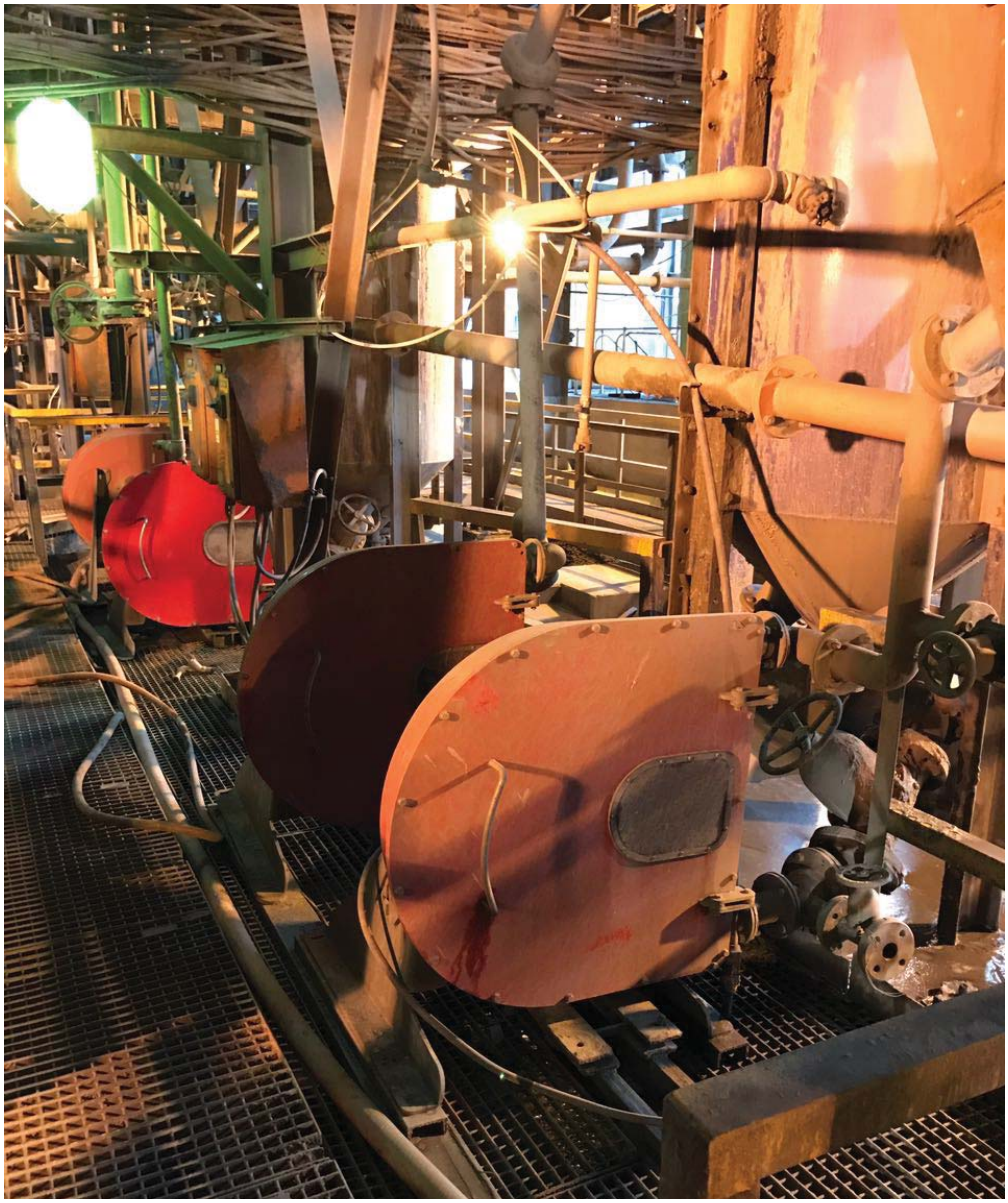
Peristaltic pumps, due to their positive displacement nature, are inherently suited to dosing applications. The high quality of the AFX pump hose ensures consistent and repeatable performance with accurate levels of dosing. Pump failure during production can be hazardous.
AFX pumps have no seals, valves, diaphragms or glands to leak, clog or corrode. Normal maintenance is limited to the hose and lubricant only.
Hose failure during operation can be monitored and contained, thus controlling any potential hazard.



AFX pumps have a clear flow path through the hose and can run dry indefinitely. They are self-priming up to 9.5 metres ensuring excellent suction capabilities. Gas locking or blockage is virtually eliminated due to the pump design, and the flexibility of the pump allows for easy low-cost installation with guaranteed performance.

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