HPX6000
fully lined API slurry pump

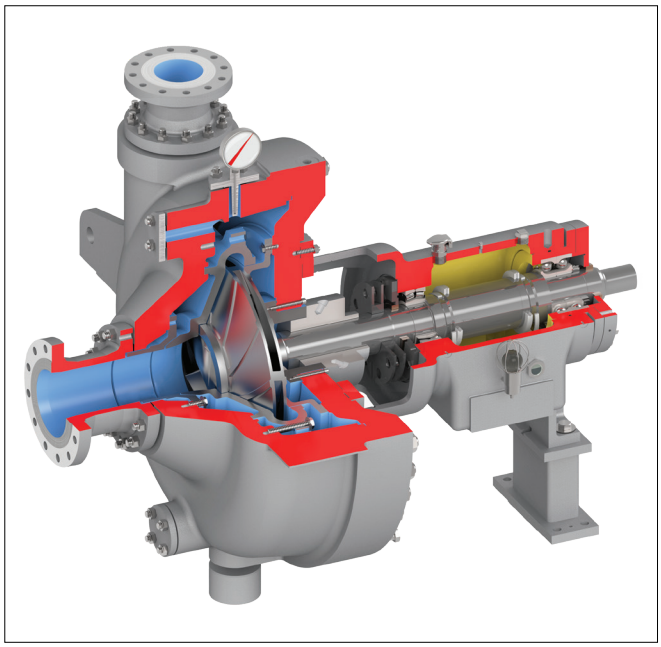
The Preferred Choice for Tough Applications

Slurry Services Are Among the Most Challenging Applications

Abrasives and high temperatures are a killer combination, often reducing the longevity of process equipment to fractions of their expected life spans.

This toxic mix is particularly troublesome in refineries, where highly abrasive slurries are pumped through equipment at elevated temperatures to 400°C (750°F). Nowhere is this problem more pronounced than in the cracking units and in particular, the fluid catalytic cracking units (FCCU). Refiners need an answer to this problem, and Flowserve Lawrence Pumps® has the solution: a refinery slurry pump with a proven mean time between repair (MTBR) of five years.

Compliant with ISO 13709/API 610 standards and classified as an OH2 pump, the Flowserve Lawrence HPX6000 fully lined slurry pump is engineered to provide maximum reliability. This is achieved through the “pump within a pump” design concept, which uses a renewable bolted metallic liner to protect the API pressure casing, or armor, from abrasive wear. As the metallic casing liner wears, it can be adjusted to restore original hydraulic performance. When completely worn out, the alloy liner—not the expensive casing—is replaced and the pump quickly returned to service.



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