



## Series 6000 Partial Emission API-610 Fully Lined Slurry Pump

The Lawrence FLS-6000 series of API-610 fully lined slurry pumps include Low Flow, High Head hydraulic designs utilizing Partial Emission Technology. This combination produces a pump that provides an extended wear life in abrasive environments; reliable operation at low flows; and a higher mean time between failures than conventional pump designs.

Operation at or near the best efficiency point is not a requirement of this design. At lower flows, the circular casing provides much lower side loads on the impeller than are found in single volute style pumps.

The physics of the Partial Emission Design are such that the most favorable operation and longest life is experienced with the pump operating closer to dead head than to the best efficiency point.

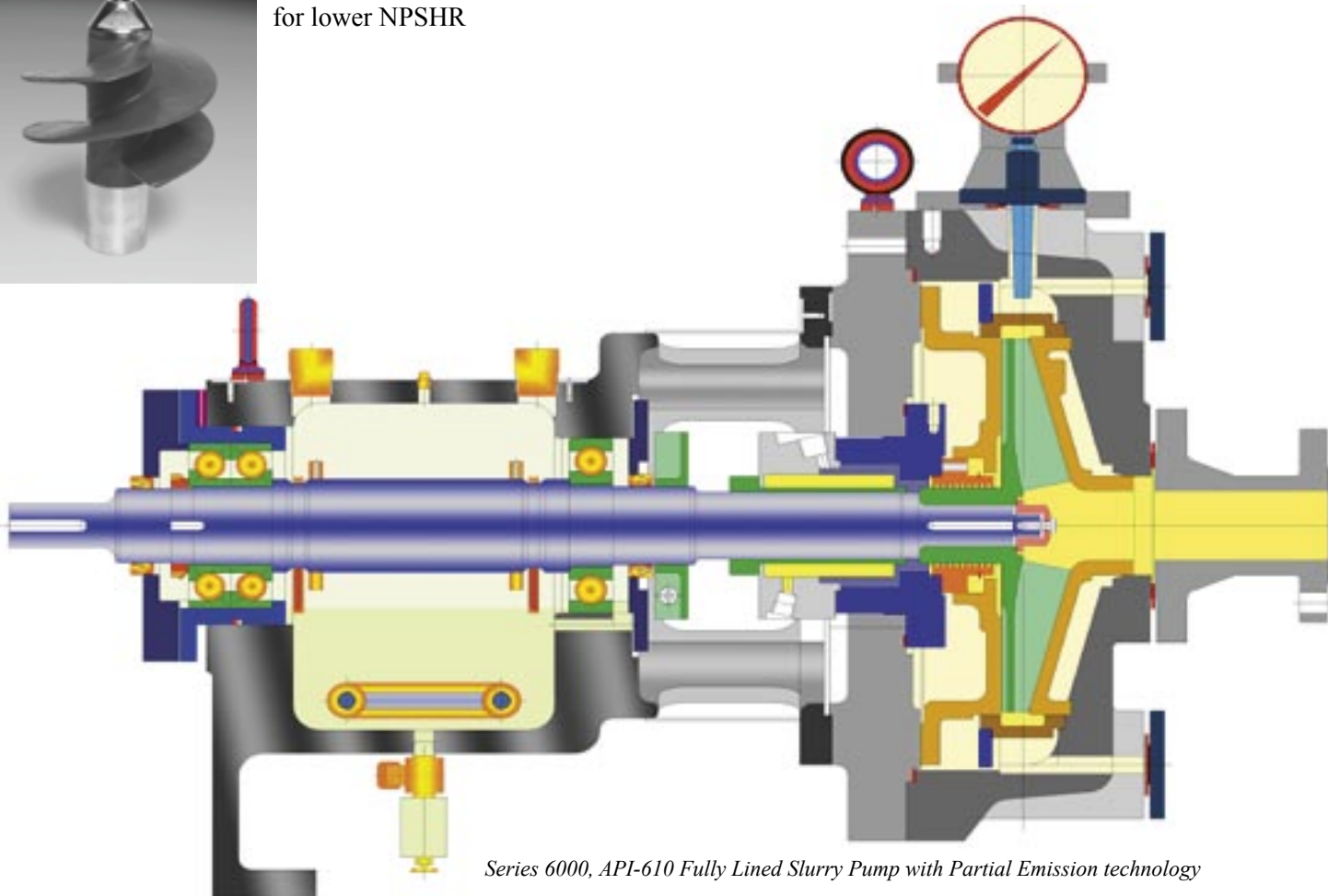
Internal wear liners of 25% Chrome Iron, having an average wall thickness of 12 to 18 mm, are bolted to the encapsulating outer pressure casing protecting it from wear. The liners are replaceable, without disturbing the driver or piping, at a fraction of the cost of replacement or repair of the pressure casing in an unlined or coated pump.

### **REDUCE COST through Improved Slurry Pump Performance**

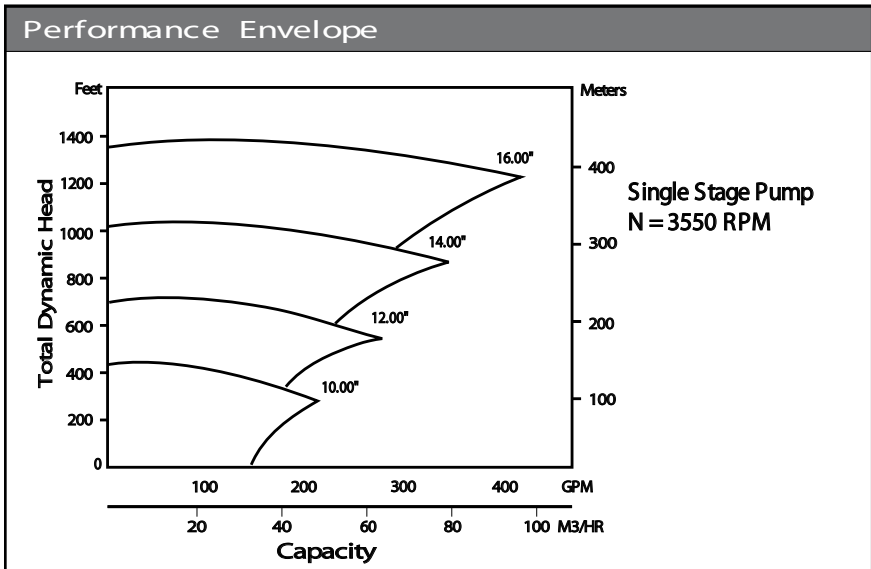
- Higher efficiency at low flows
- Stable operation at all design points
- Minimum shaft deflection at low flow
- Reliable performance through process upsets
- Low maintenance due to high seal reliability
- Low NPSHR characteristic
- Lower wear @ higher heads



Optional Inducers for lower NPSHR



Series 6000, API-610 Fully Lined Slurry Pump with Partial Emission technology



**Typical Applications Include:**

- Filter Feed
- Vacuum Tower Bottoms
- Coker Feed
- Filter Backwash Slurry Oil
- FCCU Bottoms
- RCCU Bottoms
- Pretreated Waste Oil
- Slop Oil
- Asphalt Feed
- Decanted Oil



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