



Pump Division

SMP
Standard
Motor Pumps

SMP
SMX
VSMP



**Type SMP
Standard
Motor Pumps**

**Offering Broad Coverage for
General Industrial Services**

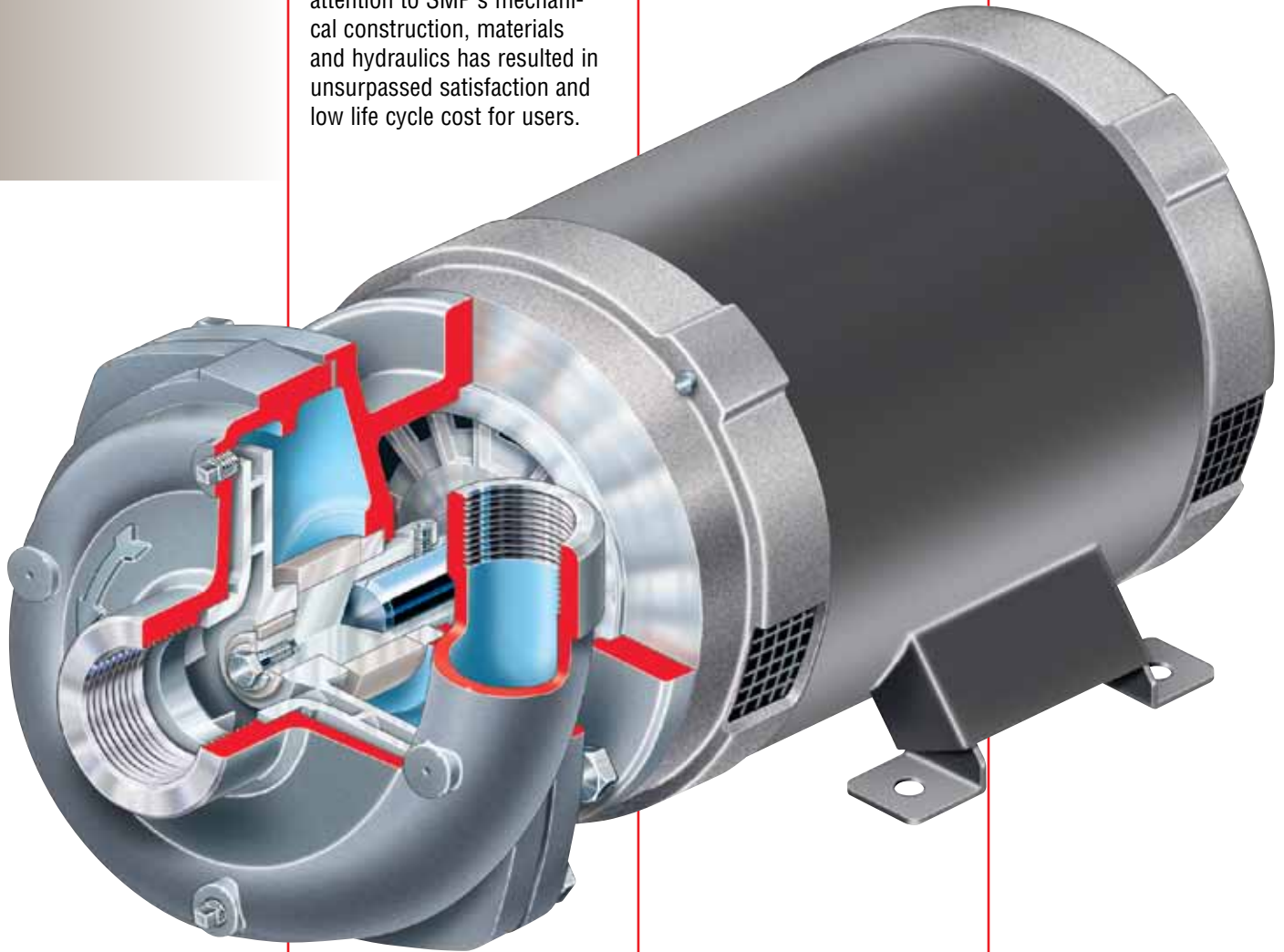
The horizontal frame mounted SMP single stage, standard motor pump has evolved as Flowserve design engineers have anticipated the growing and diverse applications requiring economical and reliable pumping. Their attention to SMP's mechanical construction, materials and hydraulics has resulted in unsurpassed satisfaction and low life cycle cost for users.

Complementary Pump Designs

- D800 general industry pump
- LR between bearing, axially split, double suction pump
- MEN end suction water pump
- STX formed stainless steel, threaded end suction pump
- SFX formed stainless steel, flanged end suction pump

Applications

- General industry
- Water supply
- Water treatment
- Parts washers
- HVAC
- Chillers
- Dishwashers



**SMP Operating
Parameters**

- Flows to 135 m³/h (600 gpm)
- Heads to 70 m (220 ft)
- Pressures to 12 bar (175 psi)
- Temperatures from -40°C (-40°F) to 120°C (250°F)



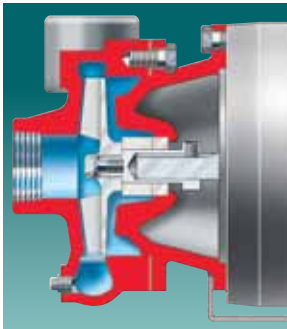
High Efficiency Semi-Open or Closed Impellers in standard glass reinforced polymer or optional cast iron, bronze or 316 SS to suit service conditions. Impellers are keyed to shaft for positive drive and provide maximum efficiency

Industry Standard NEMA Motors result in maximum flexibility, interchangeability and versatility

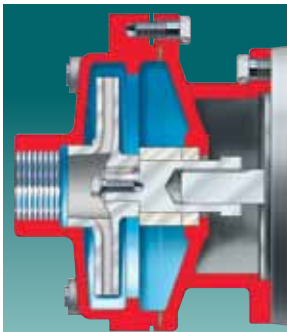
Self-Aligned Mechanical Seal, with stainless steel parts, is positioned by the impeller, keeping pumped fluid away from the motor and minimizing leakage

Back Pull-Out Design facilitates routine inspection and maintenance

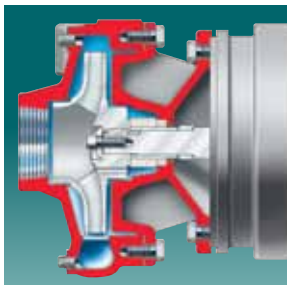
Available Configurations



1000 Series for fractional hp services.



2000 Series for 1-7.5 hp services requiring high efficiency.



3000 Series for 5-20 hp services requiring high flow or high pressure.



Stub Shaft

The SMP employs a stub shaft design that permits use of readily available industry-standard motors. Furthermore, the stub shaft design allows shaft replacement in the field, without having to modify the motor.

- 416 stainless steel stub shaft standard on 1000 and 2000 series
- Optional 316 stainless steel stub shaft standard on 1000 and 2000 series
- 300 series shaft is integral with motor shaft and protected with 416 stainless steel sleeve



Available Non-metallic Design (SMX) is suitable for a variety of applications.

- Polyphenylene sulfide (PPS) casing, adapter and impeller
- Standard NEMA 56J frame C-faced motor
- One and one-half inch port sizes enable convenient hose connection

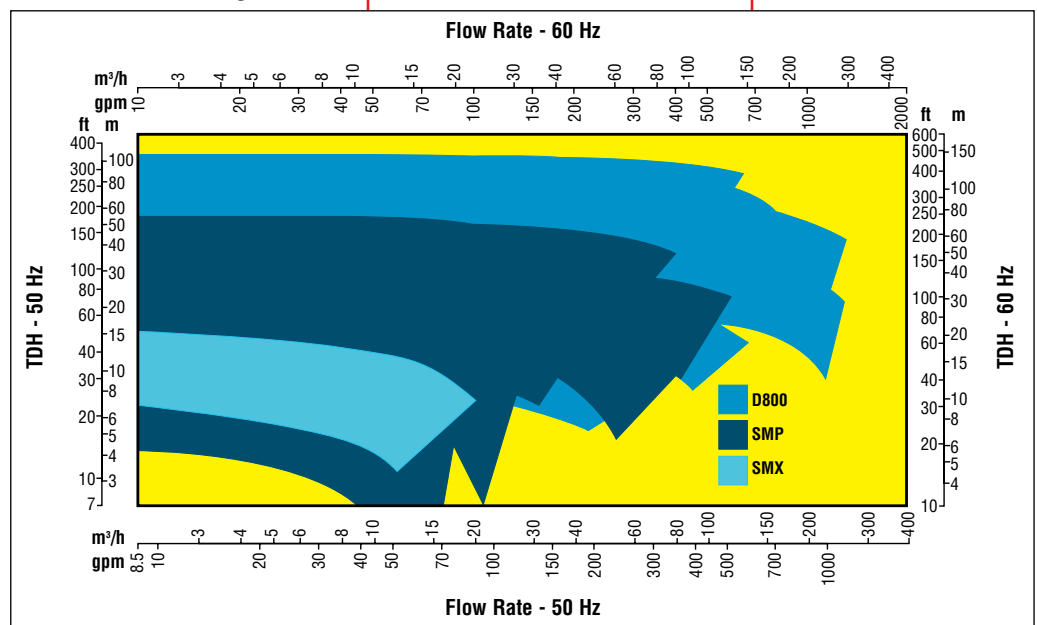
SMX Operating Parameters

- Flows to 25 m³/h (100 gpm)
- Heads to 20 m (60 ft)
- Temperatures to 80°C (180°F)
- Pressures to 12 bar (175 psi)

Optional Vertical Configuration (VSMP)

- incorporates many service-proven features.
- True cantilever design with no shaft bushing
 - Clamp type mounting plate permits a wide variety of pump settings
 - Vertical immersion design requires no mechanical seal and can pump dirty fluids
 - Self-priming design eliminates need for check valves or venting at start-up

SMP and SMX Range Chart



**Flowserve... Supporting Our Customers
With The World's Leading
Pump Brands**



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