



Pump Division

**SMP**  
*Standard  
Motor Pumps*

**SMP**  
**SMX**  
**VSMP**



**Type SMP  
Standard  
Motor Pumps**

**Offering Broad Coverage for  
General Industrial Services**

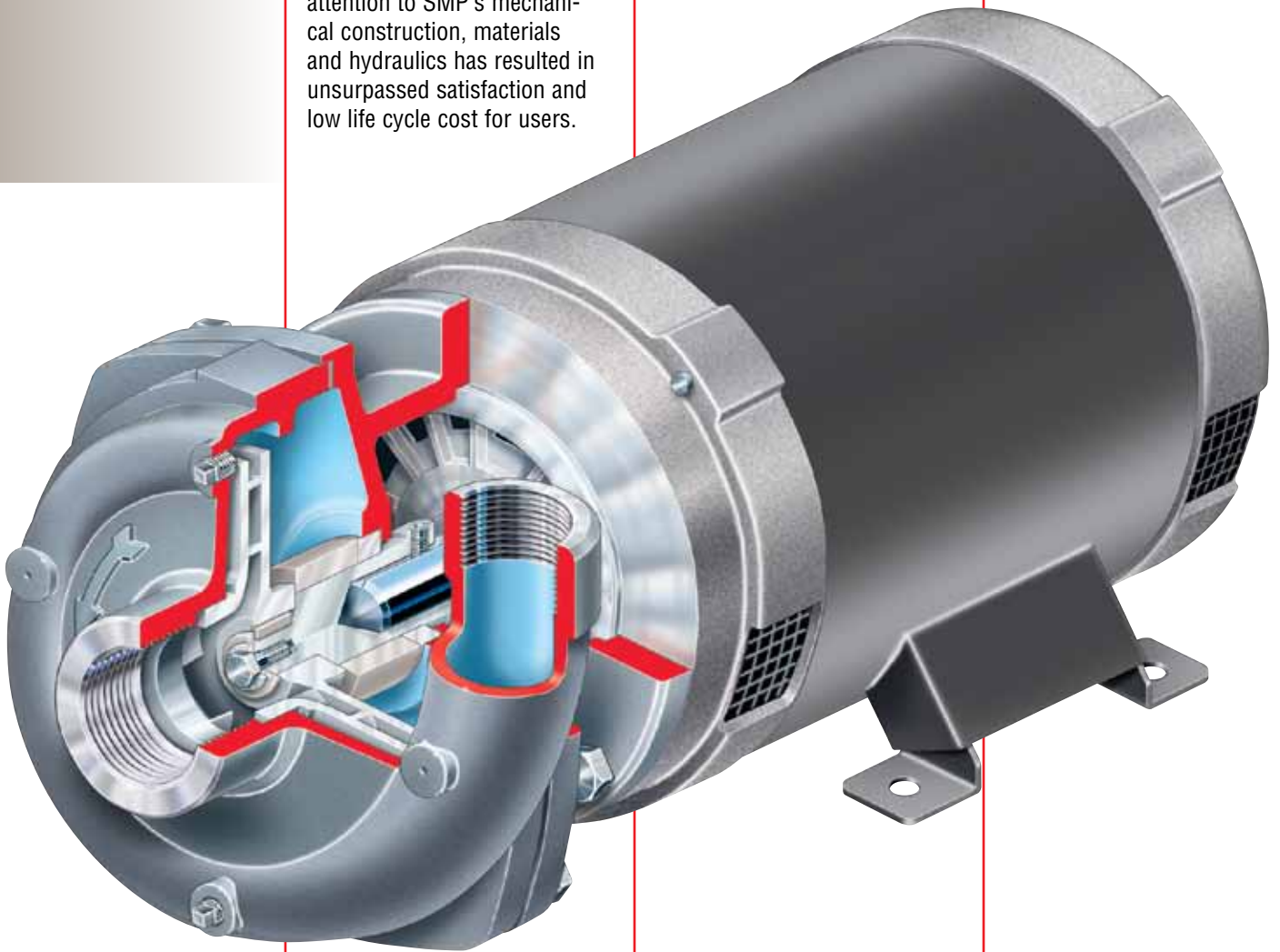
The horizontal frame mounted SMP single stage, standard motor pump has evolved as Flowserve design engineers have anticipated the growing and diverse applications requiring economical and reliable pumping. Their attention to SMP's mechanical construction, materials and hydraulics has resulted in unsurpassed 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 m<sup>3</sup>/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)



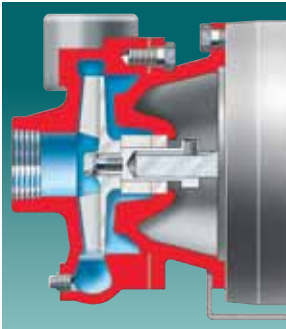
**High Efficiency Semi-Open or Closed Impellers** in standard glass reinforced polymer or optional cast iron, bronze or 316 SS to suit service conditions. Impellers are keyed to shaft for positive drive and provide maximum efficiency

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

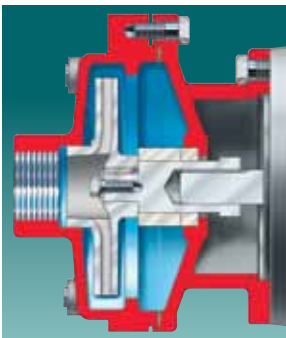
**Self-Aligned Mechanical Seal**, with stainless steel parts, is positioned by the impeller, keeping pumped fluid away from the motor and minimizing leakage

**Back Pull-Out Design** facilitates routine inspection and maintenance

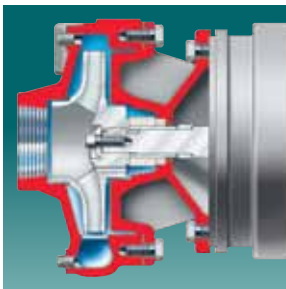
### Available Configurations



**1000 Series** for fractional hp services.



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



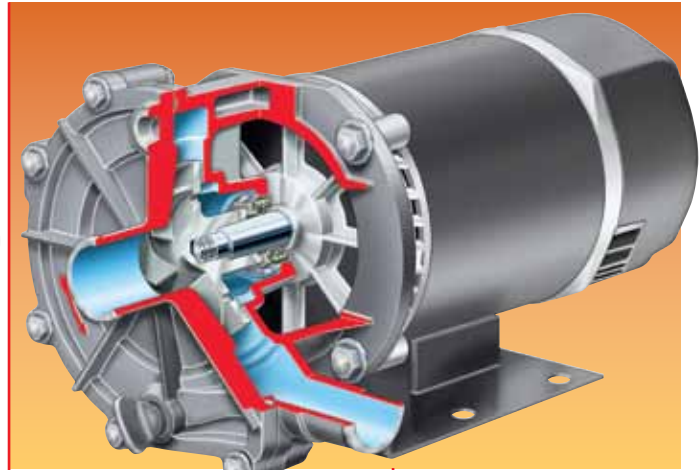
**3000 Series** for 5-20 hp services requiring high flow or high pressure.



#### 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

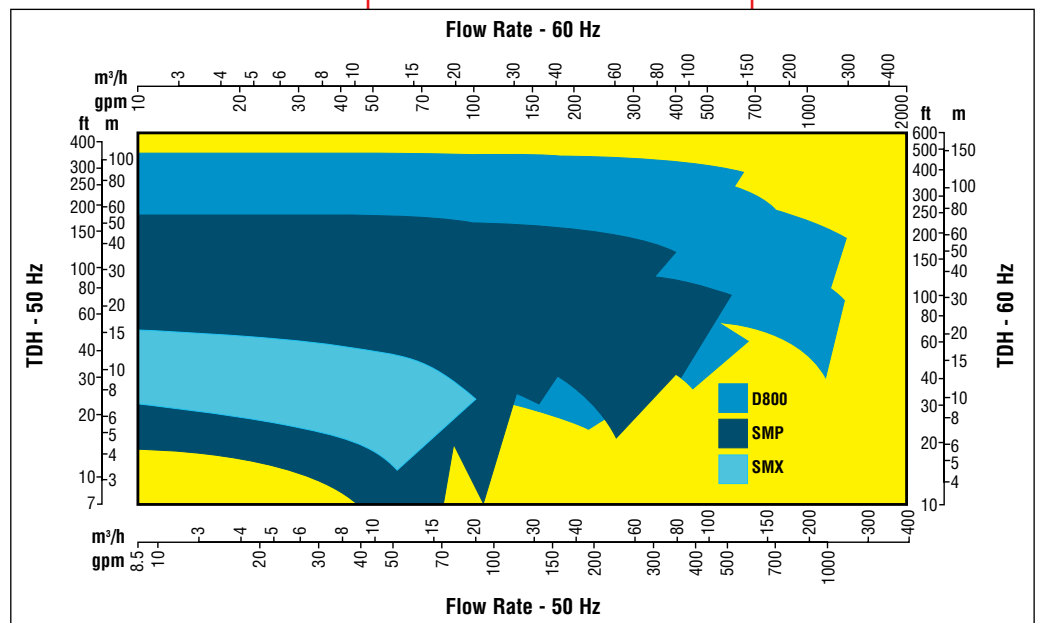
#### SMX Operating Parameters

- Flows to 25 m<sup>3</sup>/h (100 gpm)
- Heads to 20 m (60 ft)
- Temperatures to 80°C (180°F)
- Pressures to 12 bar (175 psi)

#### Optional Vertical Configuration (VSM) 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**



**USA and Canada**

Flowserve Corporation  
5215 North O'Connor Blvd.  
Suite 2300  
Irving, Texas 75039-5421 USA  
Telephone: 1 937 890 5839

**Europe, Middle East, Africa**

Flowserve Corporation  
Gebouw Hagepoint  
Westbroek 39-51  
4822 ZX Breda  
Netherlands  
Telephone: 31 76 502 8920



**Pump Division**

*Your local Flowserve representative:*

**To find your local Flowserve representative  
please use the Sales Support Locator System  
found at [www.flowserve.com](http://www.flowserve.com)**

**Or call toll free: 1 800 728 PUMP**

**Latin America**

Flowserve Corporation  
Boulevard del Cafetal  
Edificio Ninina, Local 7  
El Cafetal - Caracas  
Venezuela 1061  
Telephone: 58 212 985 3092  
Telefax: 58 212 985 1007

**Asia Pacific**

Flowserve Pte. Ltd.  
200 Pandan Loop #06-03/04  
Pantech 21  
Singapore 128388  
Telephone: 65 6771 0600  
Telefax: 65 6779 4607