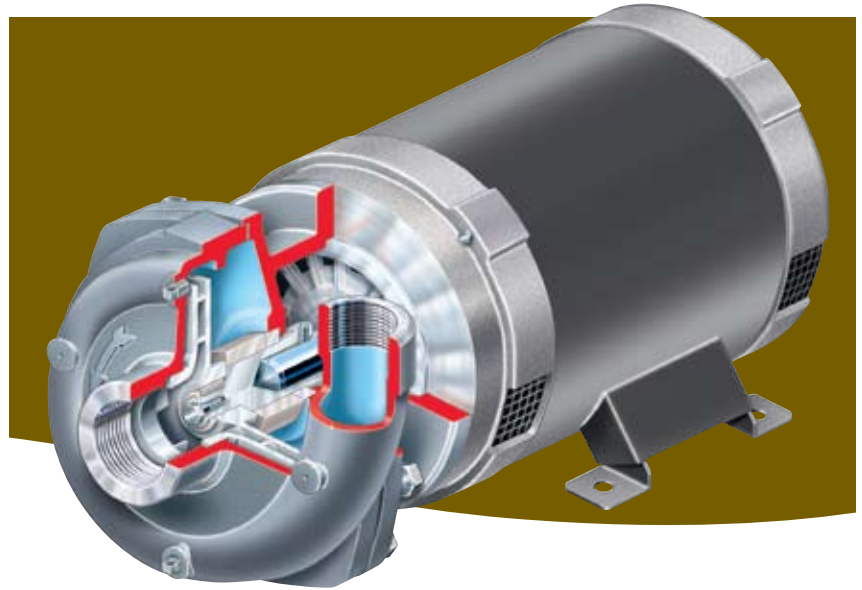




# SMP Series Standard Motor Pumps

SMP, SMX, VSMP



## Broad Coverage for General Industry

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.

### Three Sizes Available

- 1000 Series for very low power services
- 2000 Series for 0.75 kW to 5.6 kW (1-7.5 hp) services requiring high efficiency
- 3000 Series for 3.8 kW to 15 kW (5-20 hp) services requiring high flow or high pressure

### Typical Applications

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

### 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)

### Features and Benefits

**High-Efficiency Semi-Open or Closed Impeller** is keyed to the shaft for positive drive

**Stub Shaft Design** permits use of readily available industry-standard motors and allows easy shaft replacement in the field

**Industry Standard NEMA Motor** (1000 and 2000 series) results in maximum flexibility, interchangeability and versatility. JM style motor standard on 3000 series

**Self-Align Mechanical Seal** features stainless steel construction and is positioned by the impeller

**Back Pullout Design** facilitates inspection and maintenance

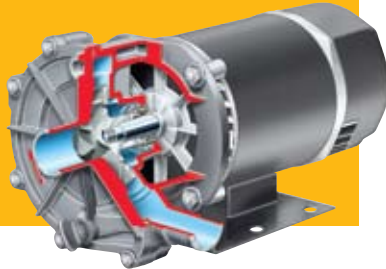
**Optional Vertical Immersion Configuration (VSMP)** is a true cantilever design without shaft bushings or a mechanical seal so it can pump dirty fluids. Clamp type mounting plate permits a wide variety of pump settings

## Available Non-Metallic Design (SMX)

- Polyphenylene sulfide (PPS) casing, adapter and impeller
- Standard NEMA 56J frame
- C-faced motor
- 25 mm and 40 mm (1 in and 1.5 in) ports

## SMX Operating Parameters

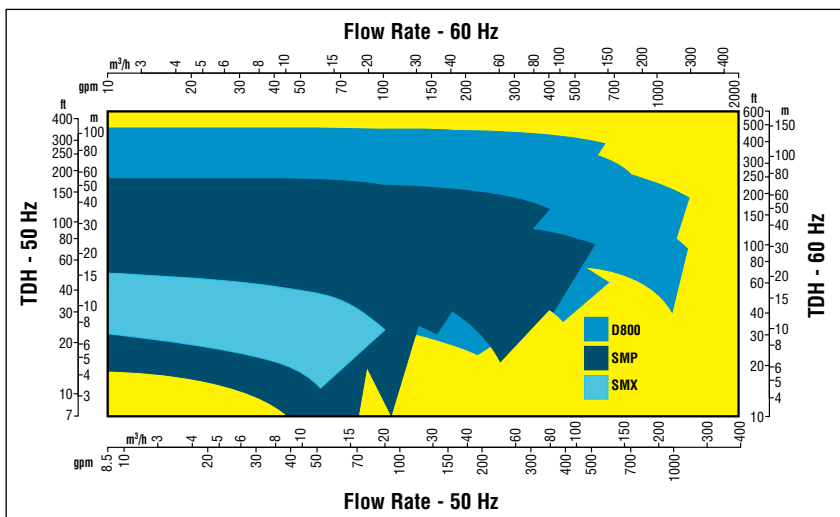
- Flows to 25 m<sup>3</sup>/h (100 gpm)
- Heads to 20 m (60 ft)
- Temperatures to 80°C (180°F)
- Pressures to 12 bar (175 psi)



## SMP Materials Chart

Part	1000 Series	2000 Series	3000 Series
Casing	Cast iron standard; 316 SS optional		
Impeller	Glass reinforced polymer standard; cast iron, bronze and 316 SS optional		
Stub shaft	416 SS standard; 316 SS optional		N/A
Integral shaft	N/A		416 SS
Motor type	NEMA		JM

## Range Chart



Bulletin PSS-10-26.1 (E/A4) Printed in USA. August 2008.

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