

**SPX
Self-Priming
Centrifugal, Formed
Stainless Steel
Pumps**

*Designed for low NPSH,
low flow applications*



Formed Stainless Benefits

Flowserve's line of 304L stainless steel pumps is hydraulically formed rather than stamped. This results in true pump volutes with fewer welded parts, fewer rust points and fewer potential leak paths. Designed for dependable performance and rugged, continuous service, they offer superior quality, increased efficiencies and exceptional value.

When the service demands corrosion resistance, Flowserve formed stainless steel pumps provide the solution along with greater peace of mind.

SPX Features

- Flows to 19 gpm (4.3 m³/h) heads to 190 ft (58 m)
- Close coupled design saves space and simplifies maintenance and installation
- Stainless steel and Noryl® liquid end components offer high quality and corrosion resistance
- Back pullout construction allows maintenance without disturbing suction and discharge connections
- Top centerline discharge and foot support under casing ensure self-venting and reduce misalignment from pipe loads
- Self-priming design with suction lift capabilities up to 25 ft (7.5 m) dependent on system limitations
- High operating efficiency reduces operating costs
- High quality mechanical shaft seals and o-rings are available for standard pumping requirements or optional high temperature and chemical duty operation

SPX Applications

- Low suction head system
- Plant services
- Water supply systems
- Aqueous cleaning
- HVAC
- Car wash
- Ultrapure water systems
- Jockey pump services
- Sprinkler, flow irrigation
- OEM
- Pressure boosting
- Liquid transfer
- Water reclamation and treatment
- General pump applications

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SPX Specifications



Flowserve's family of formed 304L stainless steel pumps includes:

- Horizontal, end suction centrifugal pumps with flows to 380 gpm (86 m³/h) and heads to 280 ft (85 m)
- Submersible sump, effluent or sewage pumps with power to 2 hp (1.5 kW) and solids handling to 2 in (50 mm) spherical
- Vertical multistage pumps with power to 25 hp (18.6 kW) and heads to 825 ft (251 m)

Size	Suction Discharge	1-1/4 in (32 mm) NPT Thread 1 in (25 mm) NPT Thread
Range of Power		3/4 hp (0.56 kW) to 1-1/2 hp (1.1 kW)
Range of Performance	Capacity Head	1.5 gpm (0.34 m ³ /h) to 18.5 gpm (4.2 m ³ /h) at 3450 rpm 63 ft (19 m) to 190 ft (58 m) at 3450 rpm
Liquid Handled	Type of liquid Temperature Suction Lift Maximum working pressure	Clean Water Maximum: 113°F (45°C) Maximum: 25 ft (7.5 m) at 68°F (20°C) 125 psi (860 kPa)
Materials	Casing Impeller (closed type) Shaft Ejector Diffuser Bracket Shaft Seal Bearing	304L Stainless Steel 304L Stainless Steel Stainless Steel Noryl plus 20% Fiberglass Noryl plus 20% Fiberglass Aluminum Mechanical Seal – Type 21 Ball Bearing
Direction of Rotation		Clockwise when viewed from motor end
Motor	Type Speed Single Phase Three Phase Motor Protection	NEMA 56J Frame 60 Hz, 3450 rpm (2 poles) TEFC – 1 hp (0.75 kW) to 2 hp (1.5 kW) ODP – 3/4 hp (0.56 kW) to 1-1/2 hp (1.1 kW), 115/230V TEFC – 1 hp (0.75 kW) to 2 hp (1.5 kW) ODP – 3/4 hp (0.56 kW) to 1-1/2 hp (1.1 kW), 208-230/460V (Optional: Explosion proof – consult factory for availability) Built-in overload protection (single-phase)

North America
Flowserve Corporation
Pump Division
5599 East Holmes Rd.
Memphis, TN 38118 USA
Telephone: 1 901 259 3900
Telefax: 1 901 259 3946

Your local Flowserve representative:

Flowserve has numerous manufacturing, sales, and service operations throughout the world. Please contact one of the regional centers to determine the location of the nearest office.

SPX Selection Chart

