

**ST2X**  
**Two-Stage End**  
**Suction, Threaded**  
**Centrifugal, Formed**  
**Stainless Steel**  
**Pumps**

*Ideal for low flow  
 and moderate head  
 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.

**ST2X Features**

- Flows to 66 gpm (15 m<sup>3</sup>/h) heads to 245 ft (75 m)
- Close coupled design saves space and simplifies maintenance and installation
- Stainless steel liquid end components offer high quality and corrosion resistance
- Versatile mounting permits horizontal or vertical installation
- Back pullout construction allows assembly and overhaul of the impeller and seal without disturbing suction and discharge connections
- Top centerline discharge and foot support under casing ensure self-venting and reduce misalignment from pipe loads
- High operating efficiency reduces operating costs
- Dual impellers run on extended motor shaft preventing deflection common to stub and shaft designs
- TEFC (totally enclosed fan cooled) motors are standard

**ST2X Applications**

- Plant services
- Water supply systems
- Reverse osmosis
- Aqueous cleaning
- Bottle washing
- Cooling systems
- Car wash
- Scrubbers
- Ultrapure water systems
- Jockey pump services
- HVAC
- Sprinkler, flow irrigation
- OEM
- Pressure boosting
- Liquid transfer
- Heat exchanger
- Spray systems
- Pharmaceutical services
- Water reclamation and treatment
- Parts washers
- Poultry misting systems

## ST2X Specifications

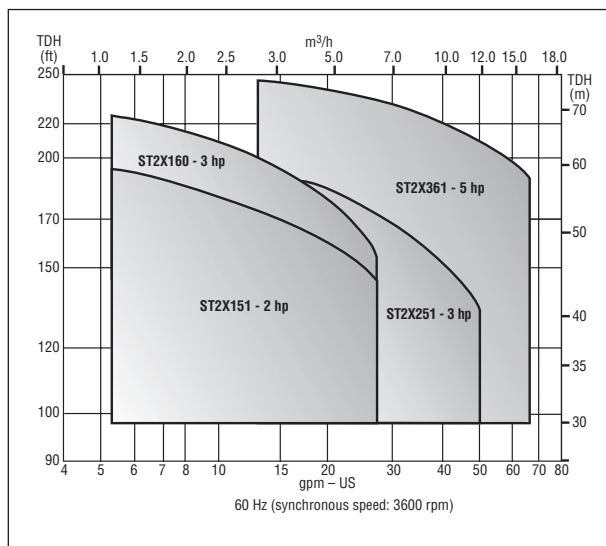


Flowserve's family of formed 304L stainless steel pumps includes:

- Horizontal, end suction centrifugal pumps with flows to 380 gpm (86 m<sup>3</sup>/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)

<b>Size</b>	
Suction	ST2X 151, 160, 251 – 1-1/4 in (32 mm) NPT Thread ST2X 361 – 1-1/2 in (40 mm) NPT Thread
Discharge	1 in (25 mm) NPT Thread
<b>Range of Power</b>	
2 hp (1.5 kW) to 5 hp (3.7 kW)	
<b>Range of Performance</b>	
Capacity	5.5 gpm (1.25 m <sup>3</sup> /h) to 66 gpm (15 m <sup>3</sup> /h) at 3600 rpm
Head	98 ft (30 m) to 245 ft (75 m) at 3600 rpm
<b>Liquid Handled</b>	
Type of liquid	Clean Water
Temperature	Maximum: 140°F (60°C)
Maximum working pressure	125 psi (860 kPa)
<b>Materials</b>	
Casing	304L Stainless Steel
Impeller (closed type)	304L Stainless Steel
Shaft	304L Stainless Steel
Bracket	Aluminum or Cast Iron
Shaft Seal	Mechanical Seal – Carbon, Ceramic
Bearing	Ball Bearing
<b>Direction of Rotation</b>	
Clockwise when viewed from motor end	
<b>Motor</b>	
Type	TEFC/IP55
Speed	60 Hz, 3450 rpm (2 poles)
Three-Phase	208-230/460V
Motor Casing	Aluminum

ST2X Selection Chart



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.

**North America**

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