

**MTX/MFX  
Submersible  
Solids Handling  
Formed Stainless  
Steel Pumps**

*Ideal for moderate solids  
handling requirements  
with the benefits of  
submersible technology*



**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.

**MTX/MFX Features**

- Flows to 185 gpm (42 m<sup>3</sup>/h), heads to 65 ft (20 m)
- High quality stainless steel
- 2 in (50 mm) solids handling
- Single- and three-phase models available
- Motor is 2 pole, dry submerged, rated continuous duty
- Class F motor insulation
- 104°F (40°C) maximum fluid temperature continuous operation, fully submerged; 140°F (60°C) intermittent operation
- Automatic and manual operation
- Automatic, mechanical, non-mercury float switch
- NPT thread discharge or 150 lb ANSI flange
- Double mechanical seal with Viton® elastomers
- Shielded ball bearings, 50 000 hours
- Single-channel and vortex impellers
- Thermal overloads (single-phase models)

**MTX/MFX Applications**

- Waste water with suspended solids
- Residential
- Commercial
- Industrial
- Agricultural
- Fountains
- Drainage
- Effluent, containment transfer
- Emptying of water storage structures

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### MTX/MFX Specifications



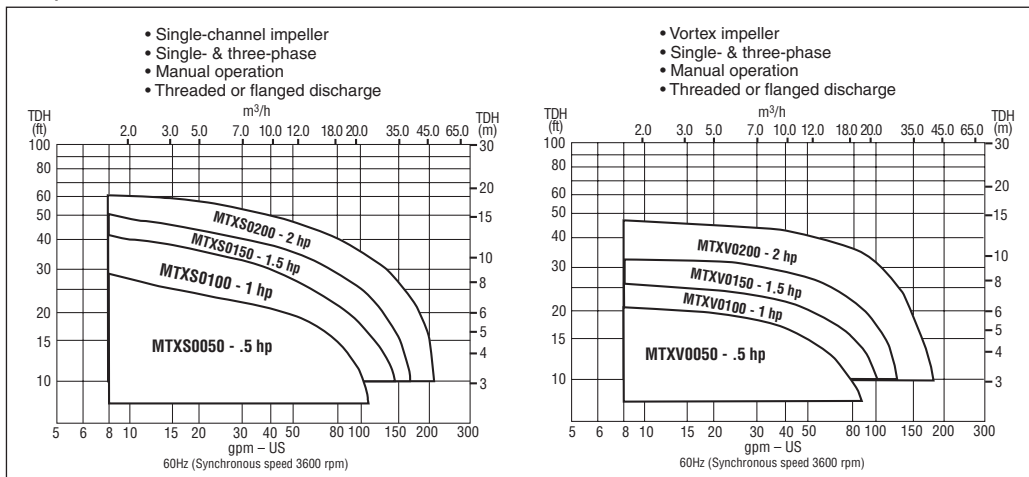
Flowserve's family of formed 304L stainless steel pumps includes:

- 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)

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<b>Discharge Size</b>	2 in (50 mm)
<b>Range of Power</b>	1/2 hp (0.37 kW) to 2 hp (1.5 kW)
<b>Range of Performance</b>	Capacity 8 gpm (1.8 m <sup>3</sup> /h) to 210 gpm (48 m <sup>3</sup> /h) Head 8 ft (2.4 m) to 65 ft (20 m)
<b>Limitation</b>	
Maximum Water Temperature	104°F (140°C)
<b>Solids</b>	2 in (50 mm) spherical
Impeller Type	Single Channel or Vortex
<b>Speed</b>	3600 rpm
<b>Materials</b>	
Casing	304L Stainless Steel
Impeller	304L Stainless Steel
Shaft	303L Stainless Steel
Motor Frame	304L Stainless Steel
Fastener	304L Stainless Steel
<b>Mechanical Seal</b>	Double Mechanical Seal
Material – Upper Side	Carbon, Ceramic
Material – Lower Side	Silicon Carbide, Silicon Carbide
<b>Motor</b>	Air-filled, Insulation Class F
Single-Phase	115 V 1/2 hp (0.37 kW), 1 hp (0.75 kW), 208/230V
Three-Phase	208/230, 460V
Motor Protection	Built-in Overload Protection
Accessories	Submersible Cable 25 ft (7.5 m)
Bearing	Pre-lubricated Ball Bearing

### MTX/MFX 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.