



MTX and MFX

Submersible, Solids-Handling Pumps

The Flowserve MTX and MFX submersible, solids-handling pumps have fewer welded parts, fewer rust points and fewer potential leak paths because they are hydraulically formed, not stamped.



Solids-Handling Performance, Submersible Technology

Made of formed stainless steel, the MTX and MFX submersible, solids-handling pumps are ideal for moderate solids-handling requirements in residential, commercial, industrial and agricultural applications while providing the benefits of submersible technology. But unlike other formed stainless steel pumps which are stamped, the MTX and MFX pumps are hydraulically formed. This results in a true pump volute with fewer welded parts, fewer rust points and fewer potential leak paths. With 304L stainless steel construction, the MTX and MFX offer superior quality, increased efficiencies and exceptional value.

Applications

- Irrigation
- Drainage
- Seepage
- Effluent
- Waste water
- Water supply and transfer
- Decorative fountains
- Mound systems and leach fields

Features and Benefits

Hydraulically Formed, 304L stainless steel construction provides outstanding reliability and exceptional value

Single-channel or Vortex Style Impellers are available to meet service requirements

50 mm (2 in) Discharge available with NPT threads (MTX) or 150 lb ANSI flanges (MFX)

Motors are air filled, permanent split capacitor, continuous duty rated type and have built-in thermal protection with automatic reset. Available in 0.24 kW (1/3 hp), 0.37 kW (1/2 hp) or 0.56 kW (3/4 hp)

Automatic and Manual operation whether fully or partially submerged

Double Mechanical Seal is oil lubricated and has Viton® elastomers and silicon carbide on silicon carbide faces

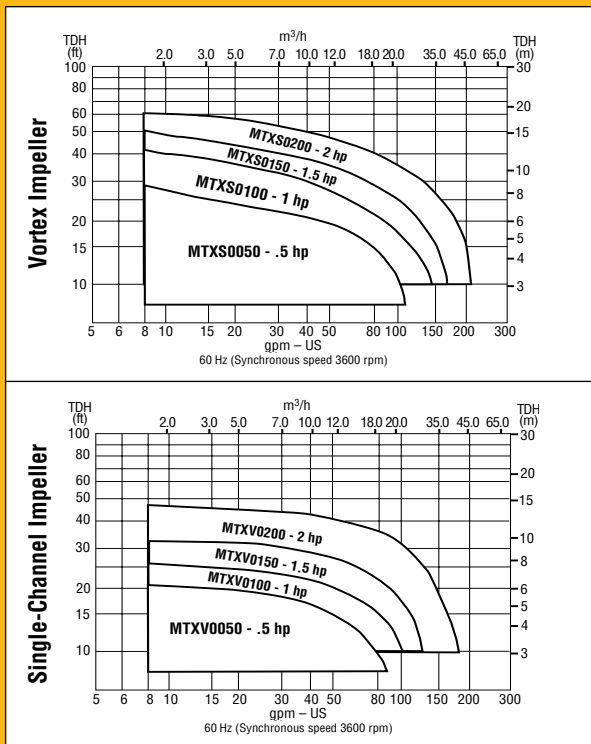
Single- or Three-Phase Designs with 6 m (2 ft) UL and CSA approved, water resistance, #16 AWG cord

Automatic, Mechanical, Non-mercury Float Switch

Operating Parameters

- Flows to 42 m³/h (185 gpm)
- Heads to 20 m (65 ft)
- Temperatures to 40°C (104°F) continuous
- Solids to 50 mm (2 in) spherical
- Speeds to 3600 rpm

MTX and MFX Selection Chart



Materials of Construction

Component	Material
Casing	304L Stainless Steel
Impeller	
Shaft	303L Stainless Steel
Motor Frame	304L Stainless Steel
Fastener	
Seal – Upper	Mechanical Seal: Carbon, Ceramic
Seal – Lower	Mechanical Seal: Silicon Carbide, Silicon Carbide

Motor Specifications

Type	Air-filled, Insulation Class F 0.37 kW (1/2 hp) to 1.5 kW (2 hp)
Single-Phase	115V 0.37 kW (1/2 hp), 0.75 kW (1 hp), 208/230V
Three-Phase	208/230, 460V
Motor Protection	Built-in Overload Protection
Accessories	Submersible Cable 7.5 m (25 ft)

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Bulletin P-80-100b (E) Printed in USA. August 2008.
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