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

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing</td>
<td>304L Stainless Steel</td>
</tr>
<tr>
<td>Impeller</td>
<td>304L Stainless Steel</td>
</tr>
<tr>
<td>Shaft</td>
<td>303L Stainless Steel</td>
</tr>
<tr>
<td>Motor Frame</td>
<td>304L Stainless Steel</td>
</tr>
<tr>
<td>Fastener</td>
<td>304L Stainless Steel</td>
</tr>
<tr>
<td>Seal – Upper</td>
<td>Mechanical Seal: Carbon, Ceramic</td>
</tr>
<tr>
<td>Seal – Lower</td>
<td>Mechanical Seal: Silicon Carbide, Silicon Carbide</td>
</tr>
</tbody>
</table>

Motor Specifications

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

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