



MDX and MDXN

Vertical, Submersible Sump Pumps

The Flowserve MDX and MDXN vertical, submersible sump pumps have fewer welded parts, fewer rust points and fewer potential leak paths because they are hydraulically formed, not stamped.



Reliable Operation, Dependable Performance

Made of formed stainless steel, the Flowserve MDX and MDXN vertical, submersible sump pumps are ideal for small residential, commercial, industrial and agricultural sump evacuation applications. But unlike other formed stainless steel pumps which are stamped, the MDX and MDXN 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 MDX and MDXN offer superior quality, increased efficiencies and exceptional value.

Applications

- Irrigation
- Drainage
- Seepage
- Effluent
- Commercial 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

Motors are air filled, permanent split capacitor, continuous duty rated type. 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

Built-in Thermal Protection with automatic reset

Double Mechanical Seal is oil lubricated

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

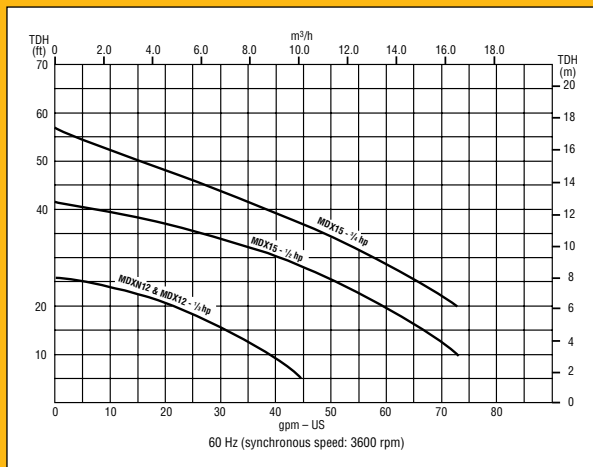
Automatic, Mechanical, Non-mercury Float Switch

Experience In Motion

Operating Parameters

- Flows to 15 m³/h (65 gpm)
- Heads to 17 m (55 ft)
- Temperatures to 50°C (122°F) continuous
- Solids to 10 mm (0.375 in) spherical
- Speeds to 3600 rpm

MDX and MDXN Selection Chart



Dimensions

Discharge Size	32 mm (1-1/4 in) – 0.24 kW (1/3 hp); 40 mm (1-1/2 in) – 0.37 kW (1/2 hp) through 0.56 kW (3/4 hp)
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Materials of Construction

Component	Material
Casing	304L Stainless Steel
Impeller*	304L Stainless Steel
Shaft	303 Stainless Steel
Motor Frame	304L Stainless Steel
Fasteners	304L Stainless Steel
Seal – Upper Side	NBR Fitted Carbon, Ceramic
Seal** – Lower Side	Viton® Fitted Silicon Carbide, Silicon Carbide

Motor Specifications

Type	Air-filled, Insulation Class F, 2 Pole, Rated Continuous Duty–Permanent Split Capacitor
Single-Phase	115V
Motor Protection	Built-in Motor Protection with Auto Reset
Power Cord	UL and CSA SJTOW-A with ECS No. 250 cap plug with grounding pin – 6 m (20 ft) length
Single-Phase	Rated 15 amps 125V – NEMA 5-15P

* ITEM NO. MDXN12 – Impeller/diffuser material is Thermoplastic - Noryl® GFN3

** MDXN12 & MDX12 – 0.24 kW (1/3 hp) shaft seal is non-mechanical, double oil seal (rubber)

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