

**MDX/MDXN
Vertical Submersible
Sump, Formed
Stainless Steel
Pumps**

*Ideal for small sump
evacuation in the home,
office, farm or factory*



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.

MDX/MDXN Features

- Flows to 65 gpm (15 m³/h), heads to 55 ft (17 m)
- High quality stainless steel (Note: Model MDXN has Noryl[®] impeller and diffuser)

- Available in 1/3 hp (0.24 kW), 1/2 hp (0.37 kW) or 3/4 hp (0.56 kW) models
- Single-phase models available
- Air filled, continuous duty rated, permanent split capacitor motors
- Manual or automatic operation
- Automatic, mechanical, non-mercury float switch
- Built-in thermal protection with automatic reset
- Built to operate whether fully or partially submerged
- Oil lubricated double mechanical shaft seal
- Temperature rating to 122°F (50°C); 140°F (60°C) intermittent duty
- Single-phase models with 20 ft (6 m) UL & CSA approved, water resistant #16 AWG cord
- Three-phase models with 20 ft (6 m) UL & CSA approved, water resistant #16 AWG cord

MDX/MDXN Applications

- Residential
- Commercial
- Industrial
- Agricultural
- Drainage
- Seepage
- Effluent, containment transfer
- Waste water (from trays, wet bars, washing machines)
- Emptying of water storage structures
- Decorative fountains
- Irrigation
- Mound systems, leach fields

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MDX/MDXN Specifications



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

- Horizontal, end suction centrifugal pumps with flows to 380 gpm (86 m³/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)

Size	Discharge Size	1/3 hp (0.24 kW) – 1-1/4 in (32 mm); 1/2 hp (0.37 kW) through 3/4 hp (0.56 kW) – 1-1/2 in (40 mm)
Range of Power		1/3 hp (0.24 kW); 1/2 hp (0.37 kW); 3/4 hp (0.56 kW)
Range of Performance		Capacity 2.7 gpm (0.61 m ³ /h) to 65 gpm (15 m ³ /h), Head 9.3 ft (3 m) to 55 ft (17 m)
Limitation	Maximum Water Temperature	122°F (50°C)
Solids		3/8 in (10 mm) Spherical
Speed		3600 rpm
Materials	Casing	304L Stainless Steel
	Impeller (Semi-Open)	304L Stainless Steel*
	Shaft	303 Stainless Steel
	Motor Frame	304L Stainless Steel
	Fasteners	304L Stainless Steel
	Shaft Seal (Double)**	
	Material – Upper Side	NBR Fitted Carbon, Ceramic 1/2 hp (0.24 kW); 3/4 hp (0.37 kW)
	Material – Lower Side	Viton® Fitted Silicon Carbide, Silicon Carbide 1/2 hp (0.24 kW); 3/4 hp (0.37 kW)
	Bearing	Sealed Ball Bearing
Motor		Air-filled, Insulation Class F, 2 Pole, Rated Continuous Duty–Permanent Split Capacitor
	Single-Phase	115 V
	Motor Protection	Built-in Motor Protection with Auto Reset
	Power Cord	UL & CSA SJTOW-A with ECS No. 250 cap plug with grounding pin – 20 ft (6 m) length
	Single-Phase	Rated 15 amps 125V – NEMA 5-15P

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

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

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North America

Flowserve Corporation
Pump Division
5599 East Holmes Rd.
Memphis, TN 38118 USA
Telephone: 1 901 259 3900
Telefax: 1 901 259 3946

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.

MDX/MDXN Selection Chart

