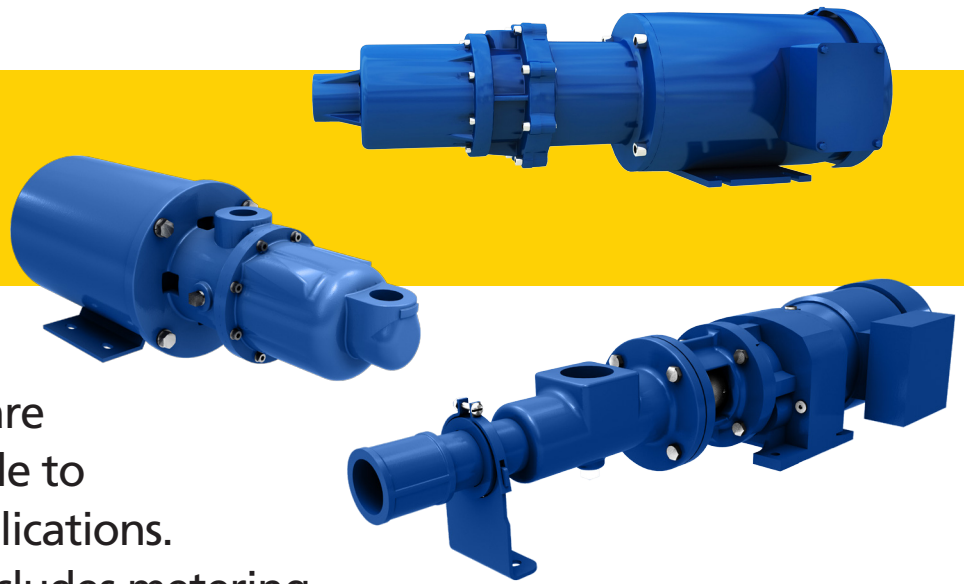


Small Pumps



Moyno's Small Pumps are cost-effective and simple to use for a variety of applications. The Small Pump line includes metering, magnetically driven, and general utility pumps.

Typical Applications

- > Abrasive chemical and slurries
- > Bilge pumps
- > Bridge deck flooding
- > Dirty oil, oily water separators
- > Drainage
- > Drum transfer
- > Emulsions
- > Fabric coatings
- > Feed additives
- > Grain mash and lime slurries
- > Industrial waste, sewage sampling
- > Irrigation
- > Lubricants
- > Non-aggressive chemicals
- > Polymer injection
- > Tank sump cleaning

Capacity

- > 0.1 to 1,050 gal/min

Pressure

- > 15 to 600 psi

Temperature

- > 14°F up to 240°F

Features & Benefits

Compact Design

A single rotor and universal drive coupling enables this pump line to be small in size while the robust construction ensures reliable service.

Reliable Performance

The Small Pumps line can satisfy a range of demanding applications including viscous liquids and random solids. The pumps feature an abrasion and chemical resistant stator, a precision-engineered stainless steel rotor, a mechanically sealed drive shaft, and a close-generated cast iron pump housing.

Simplified Construction

Simply designed for minimal maintenance. No valves to stick or wear out and no timing gears to align.

Pumping Principle

This pumping principle contains a metal rotor that rotates inside a rubber stator. Cavities are formed which progresses pumped liquid towards the discharge end of the pump as the metal rotor rotates.

Positive Pumping Action

The progressing cavity principle provides steady output pressure and non-pulsing flow. This is important in some applications such as pumping heating oil to burner nozzles.

Viscous Products and Heavy Solids

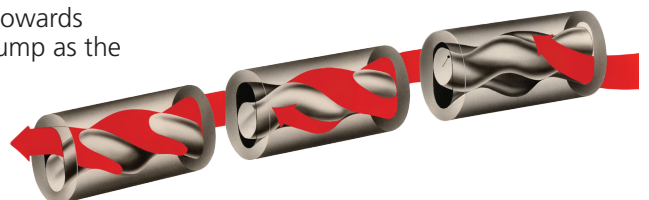
Minimizes shear and crush damage to the pumped product, while maintaining a steady flow when pumping products with a high solids content.

Self-Priming

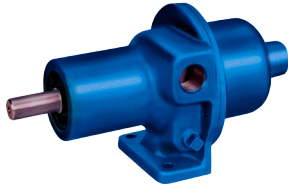
The Small Pumps line is fully self-priming and can achieve suction lifts up to 26 feet (8 meters). This allows for accessible mounting, well clear of liquid levels.

Smooth, Silent Running

The pump's smooth action and resilient rubber stator ensure quiet running - a very desirable feature for domestic installations.



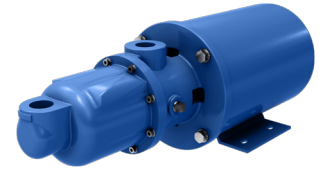
General Utility Pumps



- > Up to 5 gpm
- > Up to 40 psi
- > Motorized and non-motorized models available
- > Dual, heavy-duty ball bearings, fully sealed and pre-lubricated
- > Mechanical seal



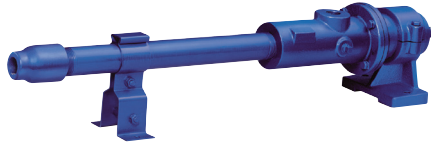
- > Up to 13 gpm
- > Up to 25 psi
- > Phenolic housing and rotor for chemical corrosion resistance
- > Reverse covered seal between rotor and shaft eliminates metal exposure to fluids



- > Up to 15 gpm
- > Up to 150 psi
- > Packing gland or mechanical seals available
- > Motorized and non-motorized models available



- > Up to 15 gpm
- > Up to 100 psi
- > Replaceable carbide cutting tips
- > Hardened tool-steel cutter tips



- > Up to 30 gpm
- > Up to 600 psi
- > Reverse operation capability
- > Packing or mechanical seals available



- > Up to 50 gpm
- > Up to 50 psi
- > Motorized and non-motorized models available
- > Packing or mechanical seals available

Mag Drive Pumps

- > Up to 18 gpm
- > Patented and sealless magnetic drive provides zero leakage
- > Uses magnetic coupling to establish a static seal aligning an outer drive magnet with an inner driven magnet within a stationary containment shell
- > No vapor locking when handling gaseous, volatile fluids

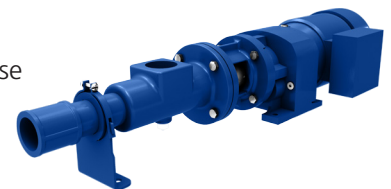
- > Materials of construction include PVC housing
- > Stator materials include FPM with optional nitrile and EPDM. Titanium rotors are standard.
- > Skid-mounted, turnkey systems are available for one-stop, hassle-free shopping, saving time and money



Metering Pumps

- > Up to 7 gpm
- > Up to 300 psi
- > Precise flow control at low RPM
- > All close-coupled pumps are stainless steel for better corrosion protection
- > Wide range of integral VFD/motor controls

- > Dust and water resistant; works well in dirty, wet environments
- > 0.5 to 5 HP; 10:1 speed range; 1 or 3 phase
- > UL and cUL listed and CE marked
- > 4 to 20 mA input for feedback control



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