

# MOYNO® Vertical Pump

## Lifting Performance to New Heights!

**NEW!**

Moyno, Inc. has taken its progressing cavity expertise and applied it in a newly designed, vertical arrangement to satisfy the needs of end users in a broad array of industries, including offshore oil exploration and production, oil refining, processing plants, and municipal and industrial wastewater treatment.

The new Moyno® Vertical Pump is specifically designed for sub-surface applications. In order for it to reach standard depths of up to 20 feet, the Moyno Vertical Pump includes an extra-long intermediate shaft supported by a flange bearing with replaceable bushings. Its inlet is submerged to pull fluid from the bottom of a sump, pit or other underground storage vessel and discharge it at the surface for further processing downstream. An optional suction strainer prevents debris from entering the pump resulting in reduced downtime for maintenance and cleaning.

Engineered for optimum installation flexibility, the Moyno Vertical Pump can be flange mounted to closed tanks or affixed to mounting beams above open tanks. Its wide variety of materials of construction make it adaptable to nearly any operating condition.

### Easy Maintenance & Space Saving Design

For simplified routine maintenance, the Vertical Pump's standard, single mechanical seal can be easily serviced without removing the entire unit from its mount. In addition, no special tools are required for repairs. Where space is at a premium, the compact, vertical, close-coupled design of the Moyno Vertical Pump makes it the right choice.



**MOYNO**

*Always the Right Solution™*

## Moyno® Vertical Pump Features & Benefits

- Ideal for low NPSH applications
- Standard lengths to 20 feet - customized models available for deeper tanks
- Superior abrasive handling characteristics
- Pressure capabilities to 150 psi
- Flow range of 20 - 350 gpm
- Handles high viscosity, high solids content materials
- Low shear fluid transfer
- Mechanical seal can be serviced without removing pump from mount
- Variety of materials of construction
- High volumetric and mechanical efficiencies
- Standard single mechanical seal



*Always the Right Solution™*

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www.moyno.com

ISO 9001 Approved

## Ruggedly Dependable & Versatile

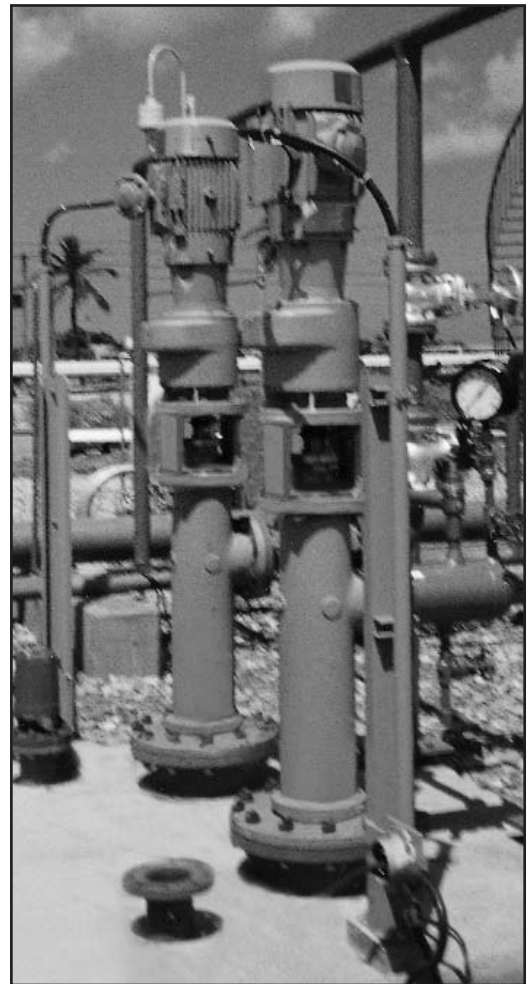
The Moyno Vertical Pump features heavy-duty components and premium materials of construction for superior durability under harsh operating conditions. Its unsurpassed abrasive handling characteristics and low shear flow combined with its vertical arrangement make the Moyno Vertical Pump the optimum solution for the following applications:

- Skim oil sumps at refineries
- Heavy crude oil transfer
- Pigments for paint & dyes
- Shear sensitive fluid transfer
- Filling and emptying holding tanks
- Digested sludge and wet pits in municipal wastewater treatment
- Barge loading and off-loading

## Ultra Performance Delivers Ultra Value!

Applying Moyno's Ultra™ Technologies to the Moyno Vertical Pump design directly contributes to its superior performance. Moyno Ultra Technologies are optimized core competencies that give Moyno products an edge in the marketplace.

- **Moyno Ultra-Shield™** rotor coatings extend the service life of pump rotors in abrasive applications.
- **Moyno Ultra-Pro™** rotor/stator configurations maximize the pump's capabilities according to specific service condition requirements.
- **Moyno Ultra-Flex™** stator materials provide tailored pumping performance to match fluid application requirements for peak efficiency, longer life and less downtime.
- **Moyno Ultra-Drive™** drive train designs ensure longer pump life and superior performance.
- **Moyno Ultra-Serv™** support service programs maintain the high performance standards of Moyno fluid handling solutions.



*Moyno . . . Always The Right Solution*