



# **NAGLE** **PUMPS**

SPECIALIZING IN ABUSIVE APPLICATIONS

**ENDURANCE  
ENGINEERED  
FOR  
MAXIMUM  
SERVICE  
LIFE**



# **PUMP SELECTOR**

30

# THE NAGLE LINE



The Nagle Model TWO  
Our Most In-Demand Pump

## VERTICAL CANTILEVER PUMPS VERTICAL SUBMERSIBLE PUMPS HEAVY DUTY HORIZONTAL PUMPS ACCESSORIES

For more than 70 years, Nagle Pumps have been the Standard for Excellence and Reliability in Heavy-Duty Pumps for Abrasive, Corrosive and High Temperature Applications. A wide Selection of Designs, Components and Materials of Construction (available in Any Abrasion, Corrosion or Heat Resistant material) allows Nagle to Custom Engineer each pump to meet Your Specific Requirements. Nagle manufactures Vertical Cantilever, Wet and Dry Mounted, Submerged Bearing, Horizontal and Submersible Pumps.

## ENDURANCE ENGINEERED FEATURES INCLUDE:

- Progressive Casting Wall Thickness for Maximum Service Life
- Single Volute, Single Discharge to allow Maximum Solids Passage which eliminates the need for hydraulic balancing, allowing Dry Running
- Cantilever Pump has no packing seals below the mounting plate
- All mated components Register-Fit to ensure Concentricity and aid in Reassembly of the Pump
- Thru-Bolt Construction below the mounting plate provides Easy Maintenance
- Impeller Wear Adjustment is located above the Sump Cover on all Vertical Models and are Easily Accessable on Horizontal Models.
- On Vertical Pumps, Open Bypass Design Feature will tolerate Pump Shut-Off
- Drive Options include Direct V-Belt, Right Angle and Variable Frequency

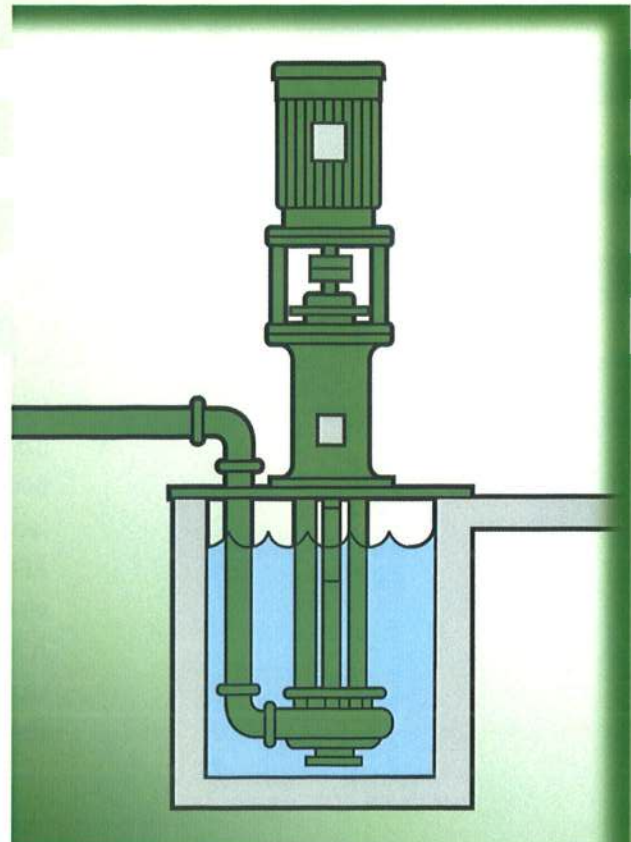


# THE TWO VERTICAL CANTILEVER



## TWO Vertical Cantilever Shaft Wet Pit Pump...

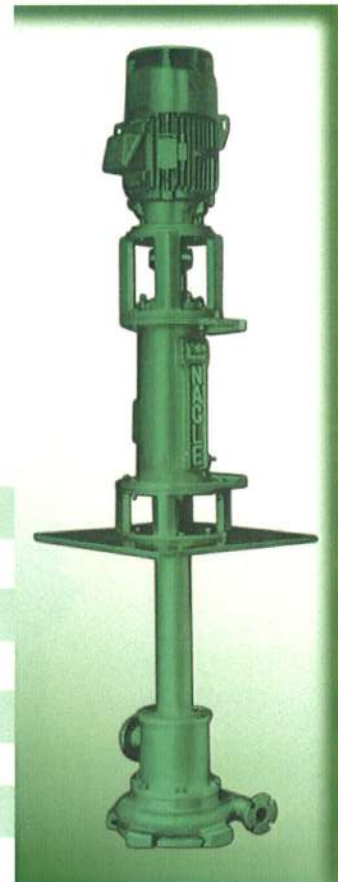
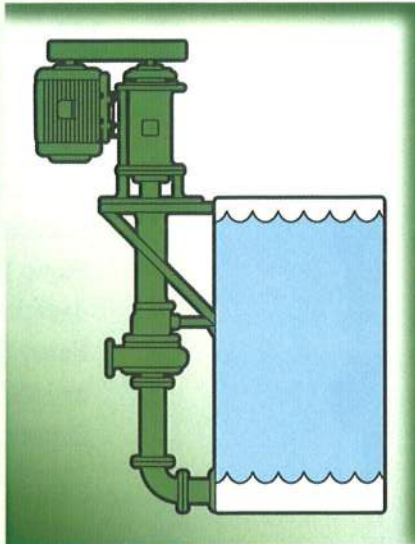
...Nagle's most popular pump is designed for Wet Pit Installation with Bottom Suction or Optional Top Suction. The TWO uses four Tubular Supports for Pump Frame Stability and allows for Open-Shaft design. The TWO is recommended for Handling Heavy Slurries up to 70% Solids and Molten Salts and Metals up to 1500 F, with sizes 1" through 20", Capacities to over 10,000 USGPM and Pressures to 200psi.



# MORE VERTICAL CANTILEVERS

## CDO Dry-Mounted Cantilever Pump...

...employs a True Cantilever Shaft Principal which has No Submerged Bearings, Packing or Seals in Contact with the Pumpage. The CDO is available in both Top and Bottom Suction. Sizes: 1.5" through 10". Capacities up to 4000 GPM. Heads from 5 feet to over 200 feet.



## MWO Vertical Cantilever Shaft Pump

...No Bearings, Bushings, Brushes or Rubbing Parts below the Mounting Plate. The Spacer Area which is located between the mounting plate and the motor Allows for Minor Overflow or Washdown. Discharge sizes 1" through 3", shaft settings up to 3'.0. A Suction Extension to increase the overall Pump Length is available. The MWO pumps are also Available in a Dry Pit design.

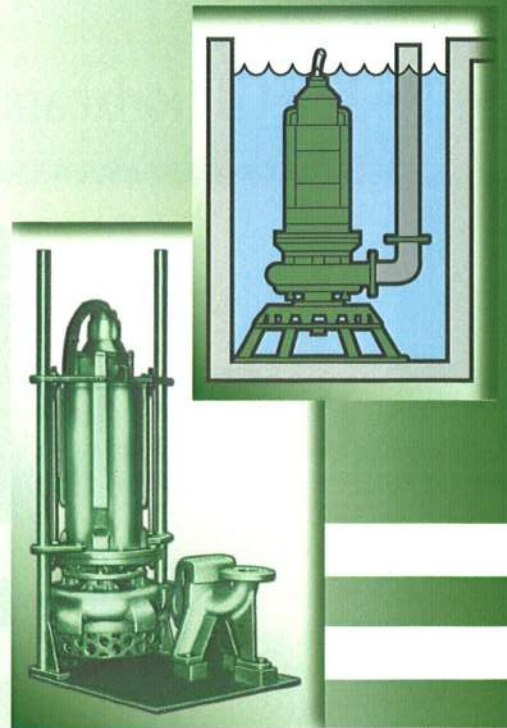


# VERTICAL SUBMERSIBLE PUMPS

## SML/SMR Submersible Pump...

...features a Combination Strainer and Pump Stand with a slurry type water end. Although designed to operate Submerged, the SML/SMLR is also available in Air Operation. The Motor can be Explosion-Proof or Standard Enclosure, and is equipped with Moisture Sensing Probes and full Thermal Protection in Windings.

Sizes: 1" through 10", Capacities up to 4,000 USGPM.



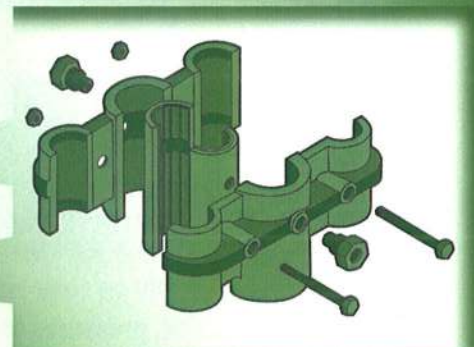
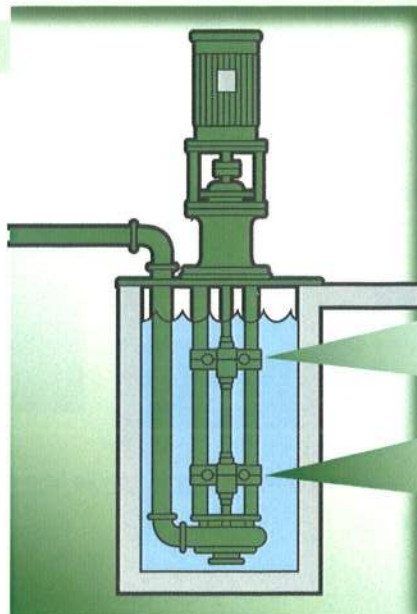
...Featuring Optional Quick Disconnect Discharge with Side Rails.



## YWS Vertical Submerged Bearing Pump...

...has Easy Maintenance Features, including Split Yoke Bearing Assemblies (see inset) and Lubrication of the Lower Bearing(s) from above the floor plate. Several Types of Lubrication are Available. Tailpipes can be added to the Bottom Suction of this unit, permitting the use of a Shorter Setting.

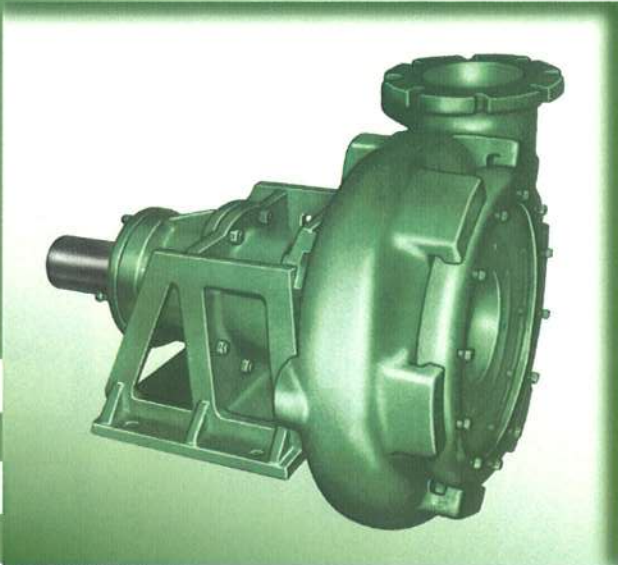
Sizes: 1" through 20". Capacities to over 10, 000 USGPM and pressures to 200 PSI.



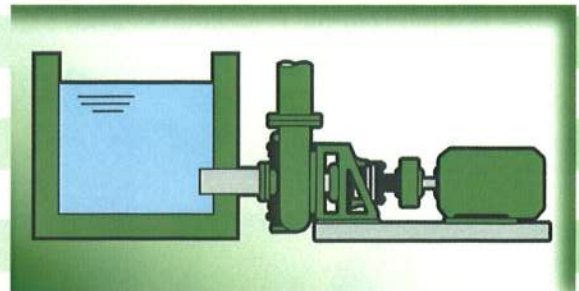


# HEAVY DUTY HORIZONTAL PUMPS

## Model FCH Horizontal Pump



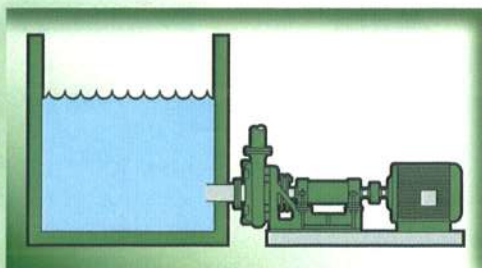
## Model FDV-H Dry Pit



...Rugged Heavy-Duty Design with Only 3 Wearing Parts: casing, suction plate and impeller. Can be used Above or Below the Liquid Level (see Priming Inductor) as a second stage Booster Unit. Enclosed shaft/cartridge bearing assembly Protects Bearings from Contamination or Pumpage Blow-by. The Nagle FCH Horizontal has several options, including a Dynamic Seal Assembly and optional Vertical Mounting (see model FDV-H above). Sizes 1" through 20". Capacities to over 10,000 USGPM and pressures up to 200 psi.

## Model KCR Horizontal Pump

...Rugged Heavy-Duty Design also with only three wearing parts: casing, suction plate and impeller. Can also be used above or below the liquid level (see priming inductor assembly), as a second stage Booster unit. An enclosed shaft/cartridge bearing assembly Protects Bearings from Contamination or Pumpage Blow-by. The Nagle KCR Horizontal has several Options, inclu-



ding a Dynamic Seal Assembly on some sizes and a suction inducer to handle heavy media. Sizes 1" through 20". Capacities to over 10,000 USGPM, pressures to 200 psi.