



MYERS[®]
SUBMERSIBLE
SOLIDS HANDLING PUMPS



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MYERS®

Solids Handling Pumps for Wastewater Applications.

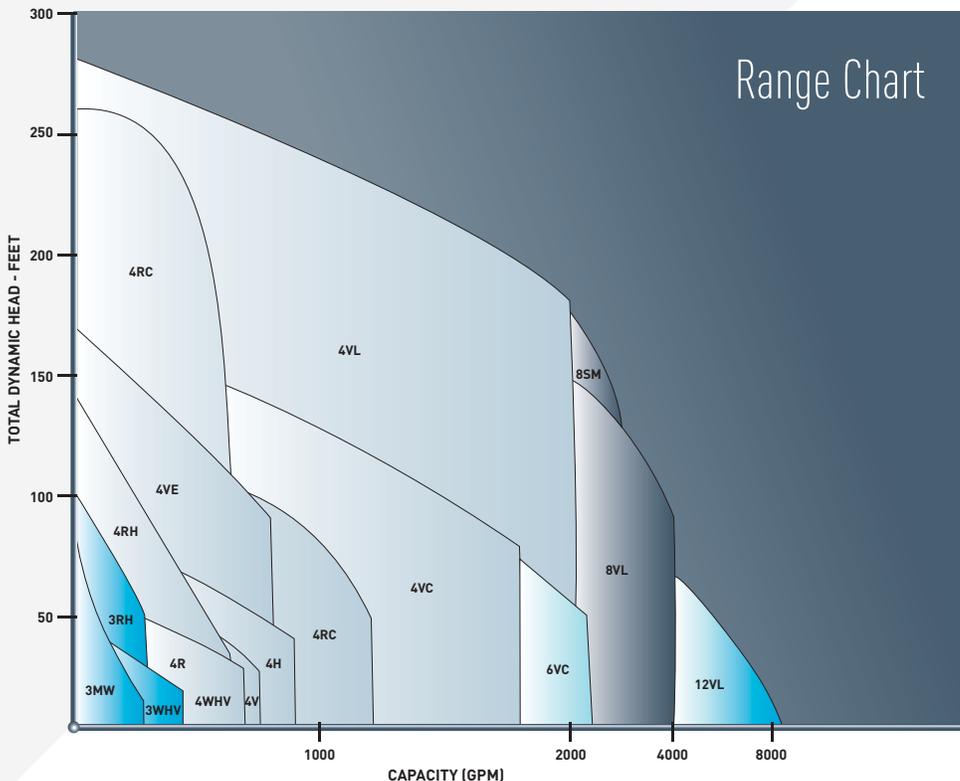
The tradition of excellence that began with our dependable double-acting hand pumps in 1870 continues today with innovative designs in solids handling wastewater pumping technology. Myers® continues to set the standard for quality, value and reliability in wastewater pump systems.

Efficient System Solutions.

Myers optimizes system efficiencies with complete engineering services, providing cost-effective solutions and immediate cost savings when designing a pump station. Myers collection system design service provides a comprehensive analysis of the complete network, ensuring the system operates at peak efficiencies under various running conditions. Myers software programs provide the engineering tools to properly design the ideal station, including the number of pumps, type of controls and lift system.

Systems Available for Standard or Hazardous Location and Wet or Dry Pit Installations.

Hazardous location models are F.M., Class I, Division 1, Group C and/or D.



Pump Features

A. Heavy Duty Castings

- High tensile strength
- Durable for extreme duty

B. Triple Sealed Cable

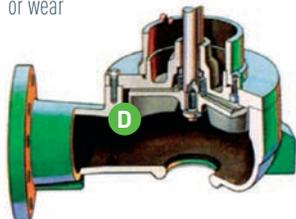
- Best protection against water penetration
- Completely potted with epoxy resin
- Compression rubber bushing
- Moisture blocking connectors

C. High Efficiency Impeller

- Energy efficient design
- Pump-out vanes on top shroud
 - Balance axial thrust loads
 - Flush out solids
 - Keeps seal clean
- Dynamically balanced
- Choice of vaned or recessed designs
- Tough, ductile iron construction

D. Optional Recessed Vortex Impellers

- For pumping difficult materials such as stringy trash and slurries
- Quiet, vibration-free running when operating at heads higher than peak efficiency
- No close clearances to cause binding or wear



E. Oil-Filled Housings

- Motor and lower seal housings
- Highest efficiency for heat dissipation
- Permanent bearing and seal lubrication
- Prevents moisture entry, condensation
- Environmentally safe

F. Heavy Duty Ball Bearings

- Upper and lower shaft support
- Support axial and radial loads
- Smooth, quiet operation

G. Premium Motor

- High efficiency
- VFD rated
- Class H or class F insulation
- Overload protection

H. Tandem Shaft Seals

- Work independently for double protection
- Operate in clean oil for long life
- Industry standard, readily available
- Standard: Carbon/Ceramic
- Optional:
 - Tungsten/Carbide
 - Silicon/Carbide

I. Moisture Protection Probes

- Stainless steel construction

J. Wear Ring

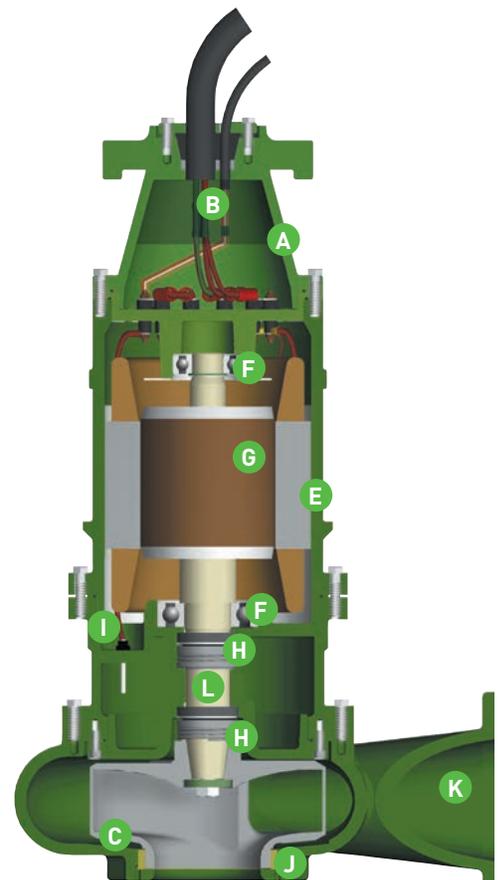
- Maintains peak operating efficiencies
- Easily replaceable

K. Solids Handling Volute

- High efficiency hydraulics
- Even fluid flow
- No solids accumulation

L. Heavy Stainless Steel Shaft

- Prevents deflection
- Corrosion resistant



Low Maintenance Costs.

Servicing a Myers pump is fast and easy with industry standard components and user-friendly design. No special tools or fixtures are required. Readily available, economical service kits minimize the service time.

Installation Systems

Myers quick connect, easy glide rail systems are the most dependable and easiest to operate. There are no moving parts while the weight of the pump securely holds everything in place.

- Engineered for dependable, lifetime service, while sustaining high operating efficiencies
- UL Listed, nonsparking for hazardous locations

Dry Pit Installation.

Myers submersible solids handling pumps are available in base mounted configurations for dry pit installations.

- Clean-out/inspection port on base elbow for quick, convenient servicing
- Submersible rated pumps for VFD operation

Stress-Free Rail System.

The total pump weight is supported by the support arms. No stress or tension is placed on the rail system.



Control Systems

Myers specializes in complete engineered packaged pump and control systems. All control panels are custom engineered to the customer's specifications using the highest quality components. Whether you need a simple float controlled lift station or multiple pump control with variable frequency drives, count on Myers to provide exceptional value at a competitive price.

Myers can provide any type of control system.

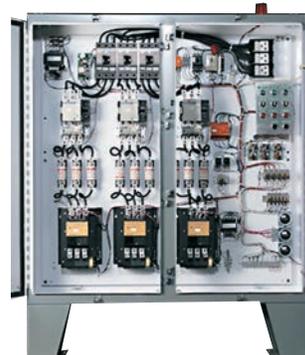
- Variable Speed Drive Applications
- SCADA Software
- Programmable Logic Control Systems
- Process Control and Instrumentation
- Built to UL Standards

Single Source Responsibility.

- Integrated pump/control system for high system operating efficiencies
- Guarantees proper system operation
- Provides maximum value

Quality Controls.

- UL 508 or UL 698A



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.
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