



**MYERS®**

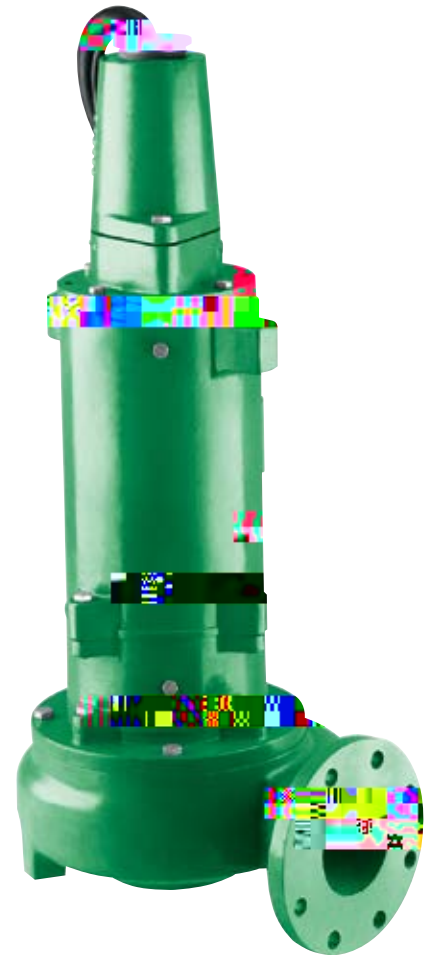
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# Solids Handling Wastewater Pumps

## The Right Choice

The 4VH and 4VHX (hazardous location) submersible wastewater pumps are a heavy-duty 4" solids handling series capable of passing a full 3" spherical solid. Myers rounded port, 2-vane, enclosed impellers prevent solids from binding or clogging and offer high operating efficiencies to cut your pumping costs. The 4VH series modified constant velocity volute case provides smooth operation over an extended portion of the performance curve for longer seal and bearing life. For use in municipal lift stations, treatment plants and industrial waste applications. Myers offers a complete line of wastewater pumps, lift-out rail assemblies, controls and accessories to meet your needs. Call your Myers distributor or the Myers sales office at 419-289-1144 for more details.







Note: Consult factory for applications outside these recommendations.

# Pump Features and Applications

- A. Cable Entry System**  
Provides double seal protection. Cable jacket sealed by compression grommet. Individual wires sealed by epoxy potting.
- B. Motor Stator**  
Heat shrunk into housing for perfect alignment and best heat transfer. Oil-filled motor conducts heat and lubricates bearings.
- C. Ball Bearings**  
Upper and lower ball bearings support shaft and rotor and take axial and radial loads.
- D. Shaft Seals**  
Double tandem mechanical shaft seals protect motor. Oil-filled seal chamber provides continuous lubrication.
- E. Seal Leak Probes**  
Detect water in seal housing. Activate warning light in control panel. (Test resistor on FM Listed models.)
- F. Volute Case**  
Modified constant velocity volute handles 3" solids. 4" ANSI 125 lb. flange.
- G. Brass Wear Ring**  
Prevents rust buildup and reduces leakage and wear. Replaceable to restore original running clearances and pump efficiencies.
- H. High Efficiency Impeller**  
2-vane with rounded ports. (Optional single vane) Handles 3" solids. Pump-out vanes help keep trash from seal; reduce pressure at seal faces.
- I. Sleeve Bearing**  
Takes radial shock load; provides flame path.
- J. Heavy 416 SST Shaft**  
Corrosion resistant.
- K. Heat Sensor**  
Protects motor from burnout due to excessive heat from any overload condition. Automatically resets when motor has cooled.

## High Efficiency Hydraulic Design Cuts Pumping Costs And Extends Life Of Fluid End Components.

- Two-vane, rounded port, enclosed type impellers handle 3" solids with ease at high operating efficiencies.
- Modified constant velocity volute offers quiet operation and low radial loads over extended portion of performance curve.

## Durable Motor Will Deliver Many Years Of Reliable Service.

- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- Heat sensor thermostats embedded in windings protect motor from overheat conditions.
- Seal leak probes warn of moisture entry; help prevent costly motor burnout.
- Double tandem shaft seals prevent sewage from entering motor.
- Power and control cables are double sealed with epoxy and compression grommet.

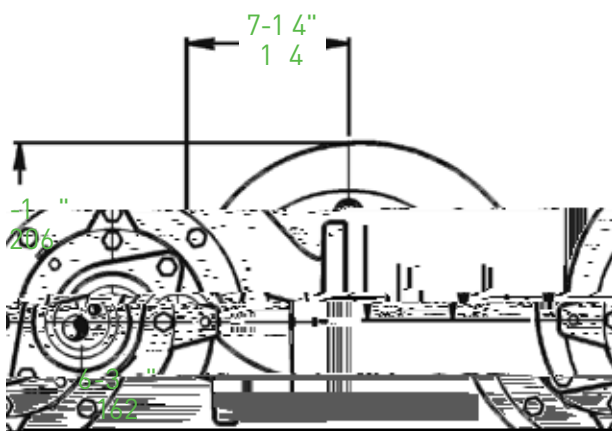
## Available With Optional FM Approval For Use In Class 1, Groups C & D Hazardous Locations (4VHX Only).





# Dimensions

Dimensions in inches, [ ] Dimensions in mm



$35-1\frac{1}{2}$   
02

4"

"  
22

4-5 "  
117

10-1 2"  
267





1101 MYERS PARKWAY  
ASHLAND, OHIO 44805  
PH: 855-274-8948  
WWW.FEMYERS.COM

490 PINEBUSH ROAD, UNIT 4  
CAMBRIDGE, ONTARIO, CANADA N1T 0A5  
PH: 800-387-4386 ORDERS FAX: 888-606-5484  
WWW.FEMYERS.COM

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