4VHS and 4VHSX

4" Non-Clog Wastewater Pumps Standard (4VHS) and Explosion-Proof (4VHSX) Construction



THE 4VHS AND 4VHSX (EXPLOSION-PROOF) SUB-MERSIBLE WASTEWATER PUMPS ARE A HEAVY-DUTY 4" NON-CLOG SERIES CAPABLE OF PASSING A FULL 3" SPHERICAL SOLID. Myers single vane impeller prevents solids from binding or clogging and offer high operating efficiencies to cut your pumping costs. The 4VHS 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 Ohio sales office at 419-289-1144 for more details.

ADVANTAGES BY DESIGN HIGH EFFICIENCY HYDRAULIC DESIGN CUTS PUMPING COSTS AND EXTENDS LIFE OF FLUID END COMPONENTS.

- Single vane impeller provides a steeper, nonoverloading performance curve and handles 3" solids with ease.
- 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 imbedded in windings protect motor from over heat conditions.
- Seal leak probes warn of moisture entry; helps prevent costly motor burn-out.
- Double tandem shaft seals prevent sewage from entering motor.
- Power and control cables are double sealed with epoxy and compression grommet.

AVAILABLE WITH OPTIONAL U.L. APPROVAL FOR USE IN CLASS 1, GROUP D HAZARDOUS LOCATIONS (4VHSX ONLY).

- 4VHSX file number E68118.
- Non-sparking rail system file number E76984N.

PRODUCT CAPABILITIES

| Capacities To | 730 gpm | 2,763 lpm |
|--|--|------------|
| Heads To | 90 ft. | 27 m |
| Solids Handling | 3 in. | 76 mm |
| Liquids Handling | raw unscreened sewage, effluent, storm water | |
| Intermittent Liquid Temp. | up to 140°F | up to 60°C |
| Winding Insulation Temp. (Class F) | 311°F | 155°C |
| Available Motors | 1750 RPM, 7½ HP 230 volt, 1Ø, 60 Hz 220/230/460/575 volts 3 Ø, 60 Hz 10 HP 200/230/460/575 volts 3Ø, 60 Hz | |
| Std. Third Party Approvals Optional Approvals | CSA UL Class 1, Group D (4VHSX only) file E68118 | |
| Acceptable pH Range | 6 - 9 | |
| Specific Gravity | .9 - 1.1 | |
| Viscosity | 28 - 35 SSU | |
| Discharge, Horizontal Flanged Centerline | 4 in. 125 lb. ANSI | 101.6 mm |

NOTE: Consult factory for applications outside of these recommendations.

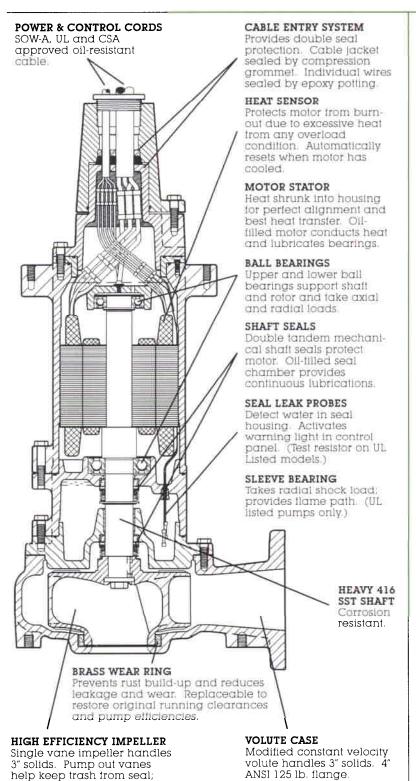
| Construction Materials | | |
|--|---|--|
| Motor Housing, Seal Housing, Cord Cap and Volute Case | cast iron, Class30 ASTM A48-76 | |
| Single Vane Impeller | ductile iron, Class 65 ASTM A536-80 | |
| Power and Control Cord | 25 ft. SOW/SOW-A | |
| Mechanical Seals Standard Optional | double tandem, type 21 carbon and ceramic lower tungsten, carbide | |
| Pump, Motor Shaft | 416 SST | |
| Fasteners | 300 Series SST | |
| Volute Wear Ring | brass | |

WHERE INNOVATION MEETS TRADITION



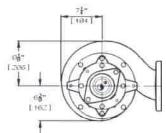
4VHS and 4VHSX

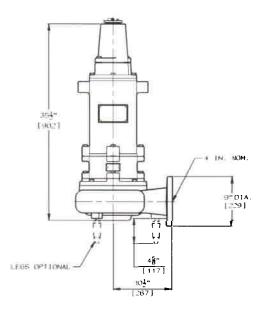
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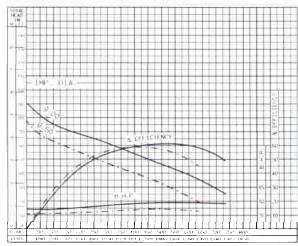
DIMENSIONS

[] dimensions in mm





PERFORMANCE CURVE



K4008 4/01 Printed in U.S.A.

faces.

reduces pressure at seal



