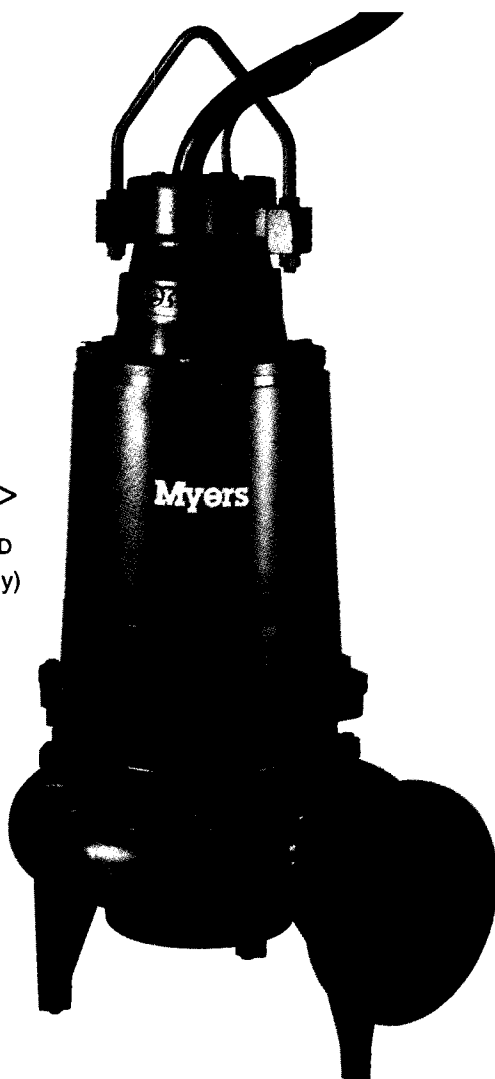


8SM and 8SMX (EXPLOSION-PROOF)

8" Submersible Non-Clog Wastewater Pumps
Standard (8SM) and Explosion-Proof (8SMX) Construction



THE MYERS 8SM SUBMERSIBLE NON-CLOG SEWAGE PUMPS ARE DESIGNED ESPECIALLY FOR HIGH FLOW APPLICATIONS SUCH AS: large municipal lift stations, treatment plants, transfer stations and dewatering. A quick removal type rail system is available to simplify installation and maintenance. The 8SM's ability to handle solids up to 3 inches in diameter make it ideal for most high flow wastewater applications. For more information, contact your Myers distributor, or the Myers Ohio sales office at 419-289-1144.

ADVANTAGES BY DESIGN

HIGH EFFICIENCY HYDRAULIC DESIGN CUTS PUMPING COSTS AND EXTENDS THE LIFE OF THE PUMP

- Two-vane, rounded port impeller handles 3" solids with ease at high operating efficiencies.
- Produces high heads and flows

DURABLE MOTOR WILL DELIVER MANY YEARS OF RELIABLE SERVICE

- Class H insulation.
- Continuous duty/VFD rated.
- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- Internal thermal overload protection.
- Double tandem shaft seals prevent sewage from entering motor.
- Internal seal leak probes warn of moisture entry.
- Triple sealed power and control cables.

PRODUCT CAPABILITIES

Capacities To	2320 gpm	8800 lpm
Heads To	260 ft.	79 m
Solids Handling	3 in.	76 mm
Liquids Handling	raw unscreened sewage, drain water, effluent	
Intermittent Liquid Temp.	up to 140°F	up to 60°C
Winding Insulation Temp. (Class H)	356°F	180°C
Available Motors	1750 RPM 75, 100, 125 HP 460 & 575 volts 3 phase, 60 Hz	
Std. Third Party Approvals	CSA	
Optional Approvals	FM Class 1, Groups C & D (8SMX only)	
Acceptable pH Range	6 - 9	
Specific Gravity	.9 - 1.1	
Viscosity	28 - 35 SSU	
Discharge, Horizontal	8 in.	203.2 mm

NOTE: Consult factory for applications outside of these recommendations.

Construction Materials

Motor Housing, Seal Housing, Cord Cap and Volute Case	cast iron, Class 30 ASTM A48
Impeller	ductile iron, Class 65 ASTM A536
Power and Control Cord	25 ft. SOW/SOW-A
Double Tandem Mechanical Seals	Std. - carbon & ceramic opt. - lower tungsten carbide
Pump, Motor Shaft	416 SST
Fasteners	300 Series SST
Case Wear Ring	bronze

WHERE INNOVATION MEETS TRADITION

8SM and 8SMX (EXPLOSION-PROOF)

8" Submersible Non-Clog Wastewater Pumps
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CABLE ENTRY SYSTEM

Cable jackets sealed with clamped, rubber grommet. Individual wires sealed with epoxy to prevent wicking in case of cable damage.

TERMINAL BOARD

Provides easy connections from power and control cables to stator. Allows voltage change in field on dual winding motors.

HEAT SENSOR ON MOTOR WINDING

Opens to de-energize motor starter if winding temperature reaches 150°C. Automatic reset.

MOTOR STATOR

Oil-filled for continuous lubrication of bearings and seals. Class H insulation.

BALL BEARINGS

Upper and lower ball bearings.

HEAVY 416 SST SHAFT

Reduces deflection from impeller radial loads. Tapered and keyed to accept impeller.

DOUBLE TANDEM SHAFT SEALS

Protect motor, operate in clean oil.

HORIZONTAL DISCHARGE VOLUTE CASE
8" 125 lb. flange.

BRONZE WEAR RING

Reduces by-pass leakage and wear. Replaceable to restore original running clearances and pump efficiencies.

HIGH EFFICIENCY IMPELLER

Two-vane, rounded port, non-clogging design. Passes 3" spherical solids.

DUAL SEAL LEAK PROBES

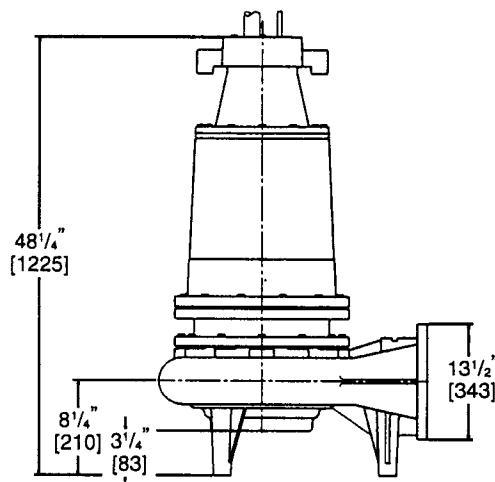
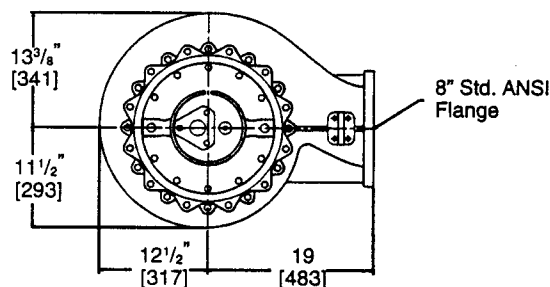
Detect water in seal housing. Activates warning light in control panel.

PUMP OUT VANES

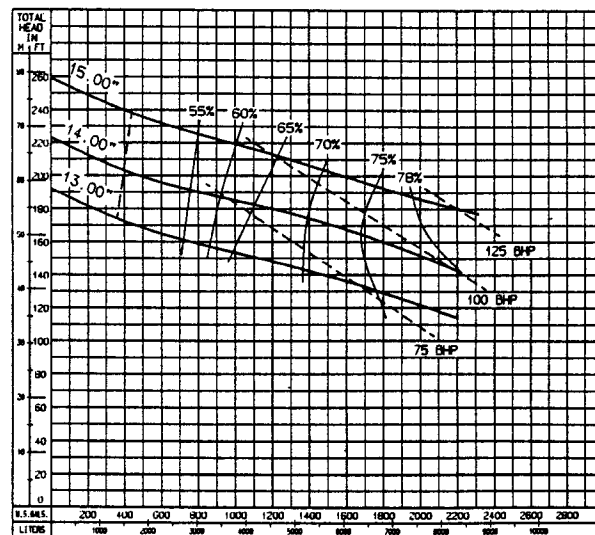
Help keep trash from seal, reduces pressure at seal faces.

DIMENSIONS

[] Dimensions in mm



PERFORMANCE CURVE



K4023 4/01
Printed in U.S.A.



Myers
Pentair Pump Group

F. E. Myers, 1101 Myers Parkway, Ashland, Ohio 44805-1969
419/289-1144, FAX: 419/289-6658, www.femyers.com
Myers (Canada), 269 Trillium Drive, Kitchener, Ontario N2G 4W5
519/748-5470, FAX: 519/748-2553