

8VLDP and 8VLXDP

Submersible Dry Pit

8" Non-Clog Wastewater Pumps

Standard (8VLDP) and Explosion-Proof (8VLXDP)



THE 8VLDP AND 8VLXDP (EXPLOSION-PROOF) SUBMERSIBLE DRY PIT WASTEWATER PUMPS ARE DESIGNED ESPECIALLY FOR HIGH FLOW APPLICATIONS SUCH AS: large municipal stations, treatment plants, transfer stations and dewatering. The pump handles solids up to 4 inches in diameter with 3 available motor speeds make it ideal for most high flow wastewater applications. 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.

- Two-vane, rounded port impeller handles 4" solids with ease at high operating efficiencies.
- High efficiency volute offers quiet operation, low radial loads over extended portion of performance curve.

DURABLE MOTOR WILL DELIVER MANY YEARS OF RELIABLE SERVICE

- Class H Insulation.
- Continuous duty/VFD magnet wire.
- Oil-filled motor and seal cavity for maximum heat dissipation and continuous 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.

PRODUCT CAPABILITIES

| | | |
|------------------------------------|--|------------|
| Capacities To | 3875 gpm | 14667 lpm |
| Heads To | 170 ft. | 51.8 m |
| Solids Handling | 4 in. | 101.6 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 460/575V, 3Ø, 60 Hz. 1150 RPM: 30,40,50 HP 230/460/575V, 3Ø, 60 Hz. 870 RPM: 15,20,25 HP 200/230/460/575V, 3Ø, 60 Hz | |
| Std. Third Party Approvals | CSA (pending) | |
| Optional Approvals | FM Class 1, Groups C & D (pending - 8VLXDP 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 |
| Enclosed 2-Vane Impeller | ductile iron, Class 65 ASTM A536 |
| 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 |
| Case Wear Ring | bronze |
| Base Elbow | cast iron, Class 30, ASTM A48 |

WHERE INNOVATION MEETS TRADITION

Myers®

Pentair Pump Group

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CABLE ENTRY SYSTEM

Cable jacket 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 infield on dual winding motors.

HEAT SENSORS 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 support shaft and rotor and take axial and radial loads.

DOUBLE TANDEM SHAFT SEALS

Protect motor, operates in clean oil.

DUAL SEAL LEAK PROBES

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

HORIZONTAL DISCHARGE VOLUTE CASE
8" 125 lb. flange.

PUMP OUT VANES

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

HEAVY 416 SST SHAFT

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

CLEAN-OUT PORT
Easy access for servicing.

HIGH EFFICIENCY IMPELLER

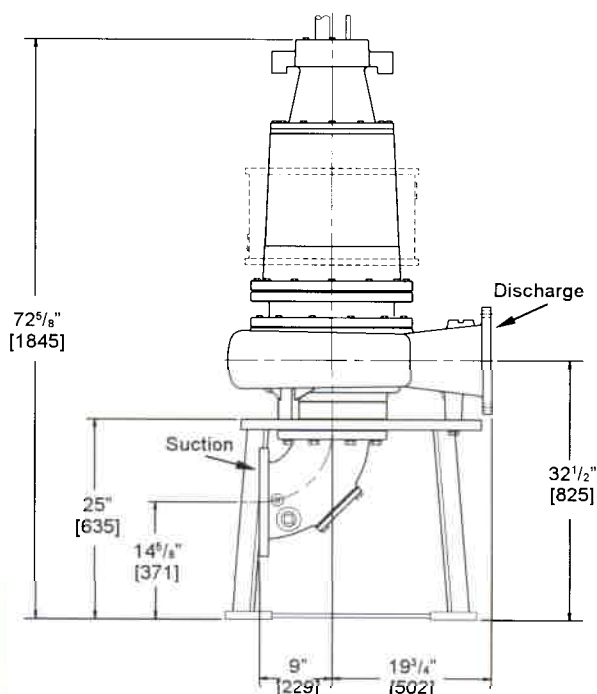
Two-vane, rounded port, non-clogging design. Passes 4" spherical solids.

BRONZE WEAR RING

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

DIMENSIONS

[] Dimensions in mm



PERFORMANCE CURVE

