



MYERS® MESPD50/MESPD100 SUBMERSIBLE EFFLUENT PUMP

Septic Tank Effluent • High-Capacity Sump • High-Head Dewatering

MESPD50/100 Submersible Effluent Pump



The Myers MESPD50/100H can handle capacities up to 110 gallons per minute and heads to 50 feet, while the MESPD100 handles capacities up to 140 gallons per minute and heads to 63 feet.

These pumps feature a high-quality cast iron pump volute, motor housing and seal housing construction that help to ensure a long service life. The pump's non-clogging, two-vane, cast iron impeller, which is threaded to a stainless steel shaft, is capable of handling up to 3/4 inch spherical solids – providing long life in demanding applications. A seal-failure sensor probe (for connection to a seal failure alarm) is standard on three-phase units and available as an option on single-phase models. Two carbon- and ceramic-faced mechanical shaft seals are mounted in tandem to provide double protection against water entry for a long, leakproof life.

The MESPD50/100H's oil-filled motor provides superior cooling characteristics, allowing the motor to run cool and quiet for years. This oil-filled design also provides permanent lubrication of the shaft bearings, minimizing maintenance and extending the service life of the pump. In addition, to protect against overheating, the motor windings contain an automatic reset thermal overload protection (1ø).

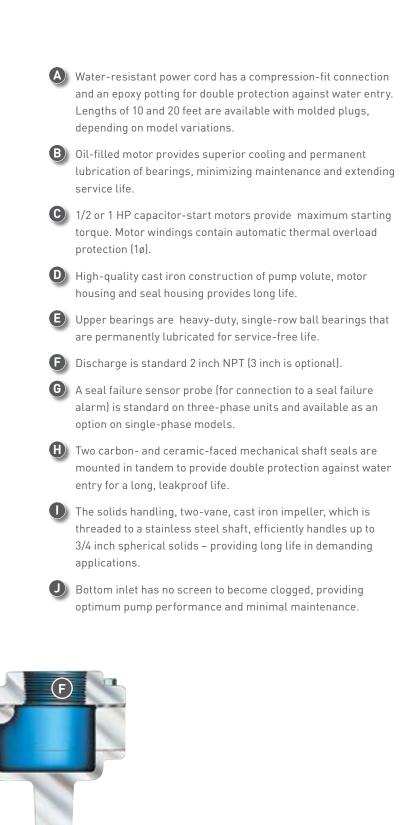
Automatic models (1/2 HP) feature the exclusive Myers diaphragm pressure switch, which provides proven reliability in installations where a float might hang up.

It also incorporates a unique piggyback plug arrangement, which allows for simple conversion to manual operation by simply removing the switch plug and inserting the motor plug directly into the electrical outlet.

The MESPD50/100H are completely submersible, "high-head", dual-seal pumps for use in septic tank effluent applications.



MESPD50/100



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PUMP CHARACTERISTICS

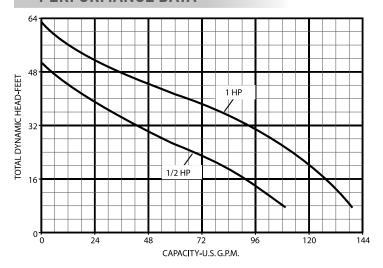
Pump/Motor Unit	Submersible						
Manual Models (50)	MH1	MH2	МН	6 M	Н3	MH4	MH5
Automatic Models	AH1	AH2	-			-	-
Horsepower	1/2						
Voltage	115	230	200	1 2	30	460	575
Full Load Amps	14.0	7.0	4.0			1.8	1.5
Motor Type	Capacitor Start Three-Phase						
R.P.M.	3450						
Phase Ø	1			3			
Manual Models (100)	MH2	МН	5	МНЗ		MH4	M5
Automatic Models	AH2	-		-		-	-
Horsepower	1						
Voltage	230	200		230		460	575
Full Load Amps	9.9	5.5	5.2			2.5	1.5
Motor Type	Cap. Three-Phase						
R.P.M.	3450						
Phase Ø	1 3						
Hertz	60						
Operation	Intermittent						
Temperature	140°F Max Fluid Temp.						
NEMA Design	В						
Insulation	Class B						
Discharge Size	2" NPT (3" opt.)						
Solids Handling	3/4"						
Unit Weight	73 lbs.						

Power Cord: MESPD50 14/3, SJTW-A, 1ø, 115V=10' std. [20' opt.]-14/4, STW-A, 1ø, 115V=10' [20' opt.]-16/3, STW-A, 1ø, 230V=20' std.-16/4, STW-A, 1ø, 230V=20' std. MESPD100 16/3, STW-A, 1ø, 230V=20' std.-16/4, STW-A, 1ø, 230V=20' std.-18/5, STW-A, 3ø, 200V, 230V, 460V or 575V=20' std.

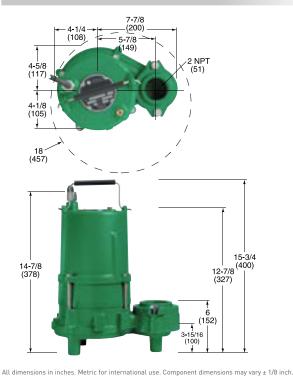
MATERIALS OF CONSTRUCTION

Handle	Steel		
Lubricating Oil	Dielectric Oil		
Motor Housing	Cast Iron		
Seal Housing	Cast Iron		
Pump Casing	Cast Iron		
Shaft	Stainless Steel		
Mechanical Shaft Seal	Seal Faces: Carbon/Ceramic Spring: Stainless Steel Bellows: Buna-N		
Impeller	Ductile Iron		
Upper Bearing	Single Row Ball Bearing		
Lower Bearing	Single Row Ball Bearing		
Base	Cast Iron		
Fastener	Stainless Steel		

PERFORMANCE DATA



DIMENSIONAL DATA



Au dimensions in incress, metric for international use. Component dimensions may vary ± 1/6 inch. Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate. On/Off level adjustable.



USA

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