

## MD SERIES

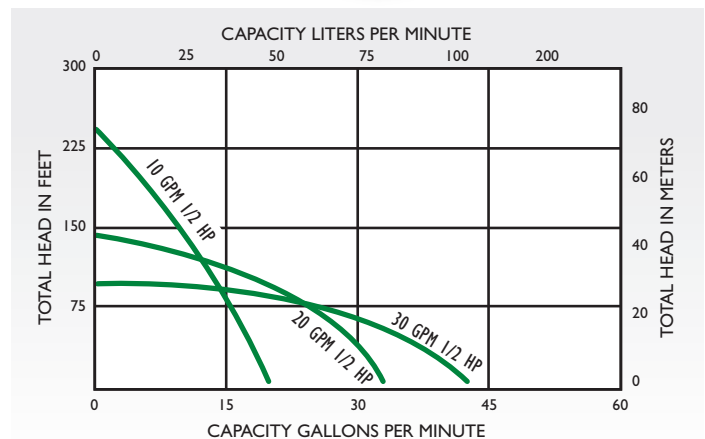
### 1/2 HP On-site Effluent Pump

#### SPECIFICATIONS

Applications	On-Site Filtered Effluent, Cistern	
Capacities	2–35 GPM	7.6–132.5 LPM
Shut-off Head	75'–225'	22.9–68.6 m
Max. Spherical Solids	.080"	2.0 mm
Liquids Handling	filtered effluent	
Max. Liquid Temp.	86°F	30°C
Motor Electrical Data	Dry-wound, double ball bearing, double-seal, thermal overload protected, 115V, 1Ø, 60Hz	
Specific Gravity	.9–1.1	
Viscosity	28–35 SSU	
Discharge, NPT	1-1/4"	
Housing	stainless steel and composite	
Power Cord	10' 30 m 300V, 2-wire with ground, SJTW-A, SJTW	
Discharge/Intake	Fiberglass-reinforced thermoplastic	
Discharge Bearing	Nylatron®	
Impellers	Acetel	
Diffusers	Polycarbonate	
Suction Caps	Polycarbonate with stainless steel wear ring	
Thrust Pads	Proprietary spec.	



This product is Listed to UL Standards for Safety by Underwriters Laboratories Inc. (UL).



#### FEATURES

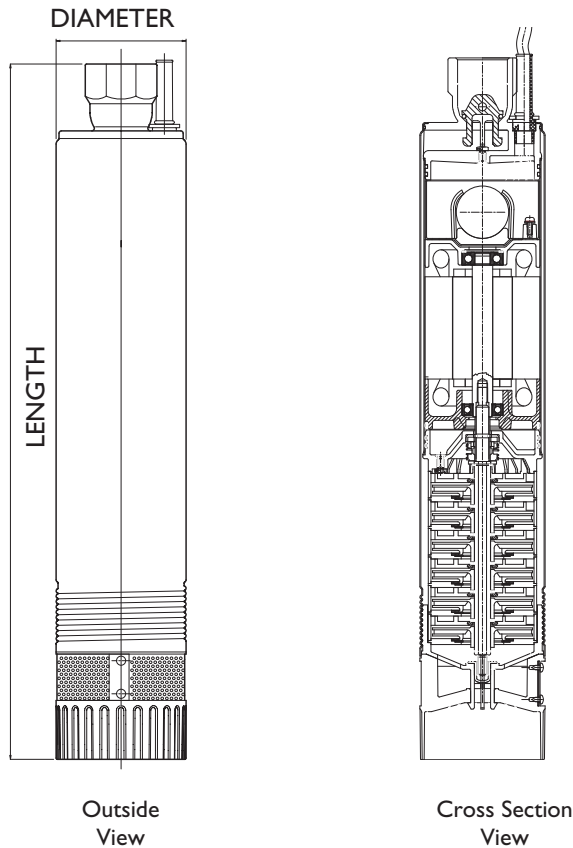
- 1/2 HP, 115V, single-phase
- Superior drawdown capability to 4-1/2" (114 mm) vs. 13-1/2" (343 mm) on a standard NEMA 4"
- 25% reduced amp-draw 9.5A vs. 12.7A on a standard NEMA 4"
- Cooler and quieter operation – eliminates expensive “flow-inducer sleeves”
- UL and CSA Listed
- Stainless steel and composite construction
- Exclusive dry-run capability
- Enclosed and self-lubricated shaft-bearing resists wear from abrasives
- Heavy 7/16" (12 mm) positive drive 300 Series stainless steel hexagonal shaft
- Serviceable composite intake screen — allows for 0.80" solids
- Patented ceramic wear surface
- Nylatron® is a registered trademark of Polymer Corp. SignaSeal™ and MD™ are trademarks of Pentair Water.
- In order to provide the best products possible, specifications are subject to change.



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#### OUTLINE DIMENSIONS



#### ORDERING INFORMATION

Catalog Number	HP	Max. Load Amps	Volts	Phase/Cycles	Cord Length	Pallet Quantity	Weight (Lbs.)
10MD05121	1/2	11.0	115	1/60	10'	80	16
20MD05121	1/2	9.5	115	1/60	10'	80	16
30MD05121	1/2	9.5	115	1/60	10'	80	16

GPM	Length	Diameter
10	21.6" (549 mm)	3.86" (98 mm)
20	20.8" (529 mm)	3.86" (98 mm)
30	20.6" (523 mm)	3.86" (98 mm)
20+1	22.3" (567 mm)	3.86" (98 mm)

#### PUMP PERFORMANCE (CAPACITY IN GALLONS PER MINUTE)

Pump Model	Flow Rate (GPM)	PSI											
		0	10	20	30	40	50	60	70	80	90	100	110
10MD05121	10			15.0	13.7	12.7	11.5	10.2	8.4	6.5	4.3	1.0	
20MD05121	20			30.0	26.0	21.5	14.2	4.4					
30MD05121	30		38.5	33.3	25.8	16							

#### PUMP PERFORMANCE (CAPACITY IN LITERS PER MINUTE)

Pump Model	Flow Rate (LPM)	Bar											
		0	.69	1.38	2.07	2.76	3.45	4.13	4.82	5.51	6.20	6.89	7.58
10MD05121	37.85		56.8	51.9	48.1	43.5	38.6	31.8	24.6	16.3	3.8		
20MD05121	75.7		113.6	98.4	81.4	53.7	16.7						
30MD05121	113.55	145.7	126.0	97.7	60.6								