



MARCH PUMPS

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DESCRIPTION: Series 1 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. Pumps are serviceable with a screwdriver. The models are hermetically encapsulated, which allows the pumps to run fully submerged in many liquids or in open air for complete moisture protection. See the parts list for a breakdown of parts.

OPERATION: Pumps are not self-priming, lack a suction lift, and thus require a **flooded suction**. Pumps **cannot be run dry** because the impeller requires the liquid being pumped for lubrication. For application assistance, contact March Pump.

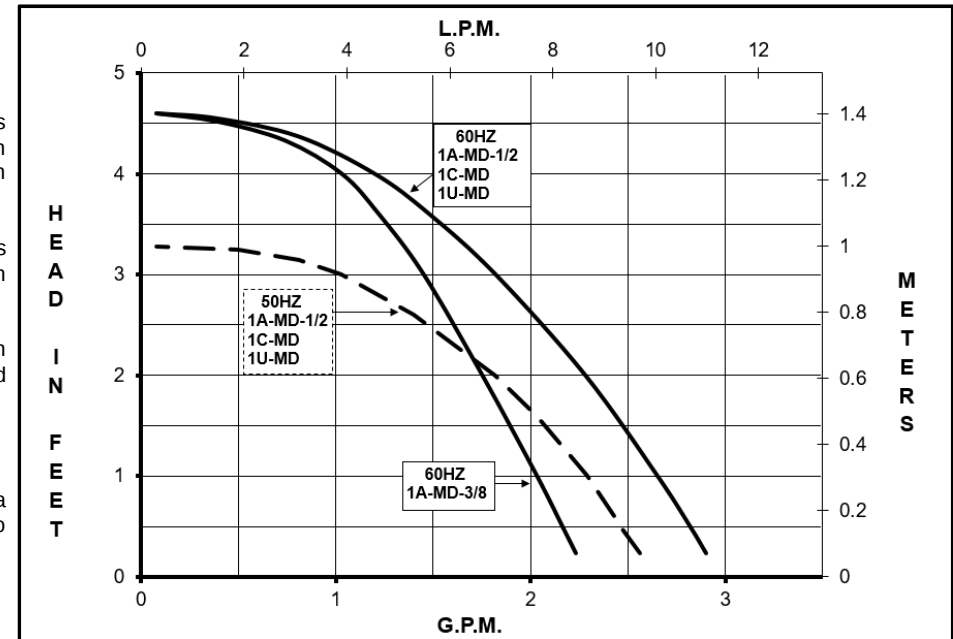
ELECTRICAL: The models are U.L. Recognized under the U.L. component program. U.L. Recognition On Pumps Is For Water Only. Motors are totally enclosed submersible 115 volt 50/60 Hz or 230 volt 50/60 Hz and are rated for continuous duty.

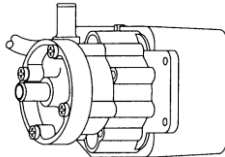
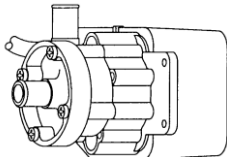
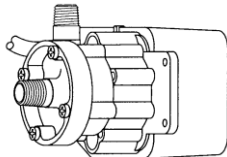
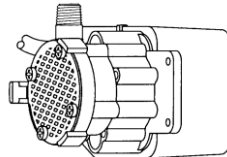
- 115 Volt Motors have a 6-foot (1.8 m) long cord with plug.
- 230 Volt Motors have a 6-foot (1.8 m) long cord without a plug.

LIMITED WARRANTY: March pumps are guaranteed only against defects in workmanship or materials for a period of one year from date of manufacture pumping water. For the complete warranty and to register online go to www.marchpump.com/warranty-registration

Model Abbreviations: A: Smooth Inlet/Outlet, C: Threaded Inlet/Outlet, U: Screen Inlet

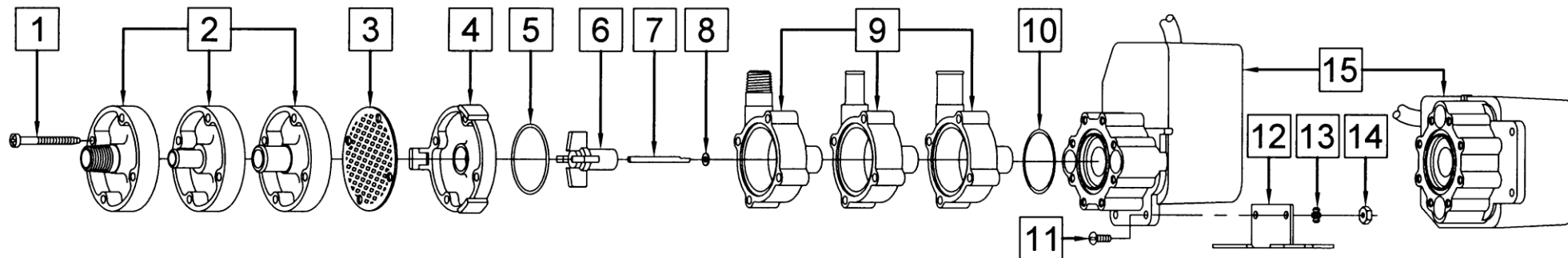
1A-MD, 1C-MD, 1U-MD



SPECIFICATIONS		1A-MD-3/8										1A-MD-1/2										1C-MD										1U-MD									
																																									
Product #	115 V	0115-0007-0100										0115-0007-0200										0115-0007-0300										0115-0007-0400									
	230 V	0115-0007-0600										0115-0007-0700										0115-0007-0800										0115-0007-0900									
Inlet - Outlet		3/8" OD - 3/8" OD										1/2" OD - 1/2" OD										1/4" MPT - 1/4" MPT										Screen - 1/4" MPT									
Max Internal Pressure		50 psi (344 kPa)										50 psi (344 kPa)										50 psi (344 kPa)										50 psi (344 kPa)									
Max Liquid Temperature		190 °F (87 °C) open air 160 °F / 71 °C submersible										190 °F (87 °C) open air 160 °F / 71 °C submersible										190 °F (87 °C) open air 160 °F / 71 °C submersible										190 °F (87 °C) open air 160 °F / 71 °C submersible									
MODEL	60 Hz												50 Hz												Height		Width		Length		Packed Weight										
	Max Flow		Max Head		ELECTRICAL								Max Flow		Max Head		ELECTRICAL																								
	gpm	lpm	ft	psi	m	Ph	V	A	Hp	kW	Rpm	gpm	lpm	ft	psi	m	Ph	V	A	Hp	kW	Rpm	Inches	cm	Inches	cm	Inches	cm	lbs	kg											
1A-MD-3/8	2.3	8.7	4.6	2.0	1.4	1	115 230	0.45 0.23	1/200	0.003	3200	2.0	7.5	3.3	1.4	1.0	1	115 230	0.45 0.23	1/200	0.003	2650	3.17	8.1	3.75	9.5	4.44	11.3	2.65 2.60	1.20 1.17											
1A-MD-1/2	3.0	11.3	4.6	2.0	1.4	1	115 230	0.45 0.23	1/200	0.003	3200	2.3	9.0	3.3	1.4	1.0	1	115 230	0.45 0.23	1/200	0.003	2650	3.17	8.1	3.75	9.5	4.44	11.3	2.65 2.60	1.20 1.17											
1C-MD	3.0	11.3	4.6	2.0	1.4	1	115 230	0.45 0.23	1/200	0.003	3200	2.3	9.0	3.3	1.4	1.0	1	115 230	0.45 0.23	1/200	0.003	2650	3.17	8.1	3.75	9.5	4.44	11.3	2.60 2.55	1.17 1.15											
1U-MD	3.0	11.3	4.6	2.0	1.4	1	115 230	0.45 0.23	1/200	0.003	3200	2.3	9.0	3.3	1.4	1.0	1	115 230	0.45 0.23	1/200	0.003	2650	3.17	8.1	3.75	9.5	3.83	9.7	2.65 2.65	1.20 1.20											
All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.																																									

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PARTS LIST



#	1A-MD-3/8			#	1A-MD-1/2		
1	0115-0062-1000	4	#7-19 x 1-7/16" Long Self-Tapping Screw (Stainless)	1	0115-0062-1000	4	#7-19 x 1-7/16" Long Self-Tapping Screw (Stainless)
2	0115-0075-1000	1	Cover with 3/8" OD Inlet (Polypropylene)	2	0115-0060-1000	1	Cover with 1/2" OD Inlet (Polypropylene)
5	0115-0018-1000	1	1/16" CS x 1-7/16" OD "O" Ring for Cover (Buna N)	5	0115-0018-1000	1	1/16" CS x 1-7/16" OD "O" Ring for Cover (Buna N)
6	0115-0119-1000	1	Encapsulated Impeller (Polypropylene)	6	0115-0119-1000	1	Encapsulated Impeller (Polypropylene)
7	0115-0032-1000	1	Shaft (316 Stainless)	7	0115-0032-1000	1	Shaft (316 Stainless)
8	0115-0033-1000	1	Thrust Washer (Carbon/Teflon)	8	0115-0033-1000	1	Thrust Washer (Carbon/Teflon)
9	0115-0074-1000	1	Rear Housing with 3/8" OD Outlet (Polypropylene)	9	0115-0059-1000	1	Rear Housing with 1/2" OD Outlet (Polypropylene)
10	0115-0017-1000	1	1/16" CS x 1-5/16" OD "O" Ring for Bracket (Buna N)	10	0115-0017-1000	1	1/16" CS x 1-5/16" OD "O" Ring for Bracket (Buna N)
15	Not Available - Epoxy Motor, Bracket, Cord Assembly (115 V 50/60 Hz) or (230 V 50/60 Hz)			15	Not Available - Epoxy Motor, Bracket, Cord Assembly (115 V 50/60 Hz) or (230 V 50/60 Hz)		
#	1C-MD			#	1U-MD		
1	0115-0062-1000	4	#7-19 x 1-7/16" Long Self-Tapping Screw (Stainless)	1	0115-0062-1000	4	#7-19 x 1-7/16" Long Self-Tapping Screw (Stainless)
2	0115-0058-1000	1	Cover with 1/4" MPT Inlet (Polypropylene)	3	0115-0012-1000	1	Inlet Screen (Delrin)
5	0115-0018-1000	1	1/16" CS x 1-7/16" OD "O" Ring for Cover (Buna N)	4	0115-0016-1000	1	Cover (Cyclocac)
6	0115-0119-1000	1	Encapsulated Impeller (Polypropylene)	5	0115-0018-1000	1	1/16" CS x 1-7/16" OD "O" Ring for Cover (Buna N)
7	0115-0032-1000	1	Shaft (316 Stainless)	6	0115-0119-1000	1	Encapsulated Impeller (Polypropylene)
8	0115-0033-1000	1	Thrust Washer (Carbon/Teflon)	7	0115-0032-1000	1	Shaft (316 Stainless)
9	0115-0057-1000	1	Rear Housing with 1/4" MPT Outlet (Polypropylene)	8	0115-0033-1000	1	Thrust Washer (Carbon/Teflon)
10	0115-0017-1000	1	1/16" CS x 1-5/16" OD "O" Ring for Bracket (Buna N)	9	0115-0057-1000	1	Rear Housing with 1/4" MPT Outlet (Polypropylene)
15	Not Available - Epoxy Motor, Bracket, Cord Assembly (115 V 50/60 Hz) or (230 V 50/60 Hz)			10	0115-0017-1000	1	1/16" CS x 1-5/16" OD "O" Ring for Bracket (Buna N)
				15	Not Available - Epoxy Motor, Bracket, Cord Assembly (115 V 50/60 Hz) or (230 V 50/60 Hz)		
#	OPTIONS			Materials in Contact with Solution:			
2	0115-0096-1000	1	Cover with 1/2" OD Inlet (Kynar)	Open Air: Polypropylene, Buna N, 316 Stainless Steel, & Carbon/Teflon Washer.			
5	0115-0061-1000	1	1/16" CS x 1-7/16" OD "O" Ring for Cover (Viton)				
5	0115-0069-1000	1	1/16" CS x 1-7/16" OD "O" Ring for Cover (Teflon)	When Submerged: The following additional materials are in contact: Epoxy, Noryl, Cyclocac, Delrin, and SJT cord.			
6	0115-0097-0100	1	Impeller with bare Ceramic Magnet (Kynar)				
9	0115-0095-1000	1	Rear Housing with 1/2" OD Outlet (Kynar)				
11	0455-0038-1000	2	#6-32 x 3/8" Long Screw (Stainless)				
12	0115-0081-1000	1	Base (Stainless)				
13	0455-0037-1000	2	#6 Lock Washer (Stainless)				
14	0455-0043-1000	2	#6-32 Nut (Steel)				

NOTE: Contact Factory for other materials and/or parts not listed.

0115-0035-1000 R34