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MARCH PUMPS

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PHONE: (847) 729-5300 - FAX: (847) 729-7062
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AC-5C-MD, TE-5C-MD
AC-5A-MD, TE-5A-MD
TE-5K-MD, TE-5S-MD

DESCRIPTION:

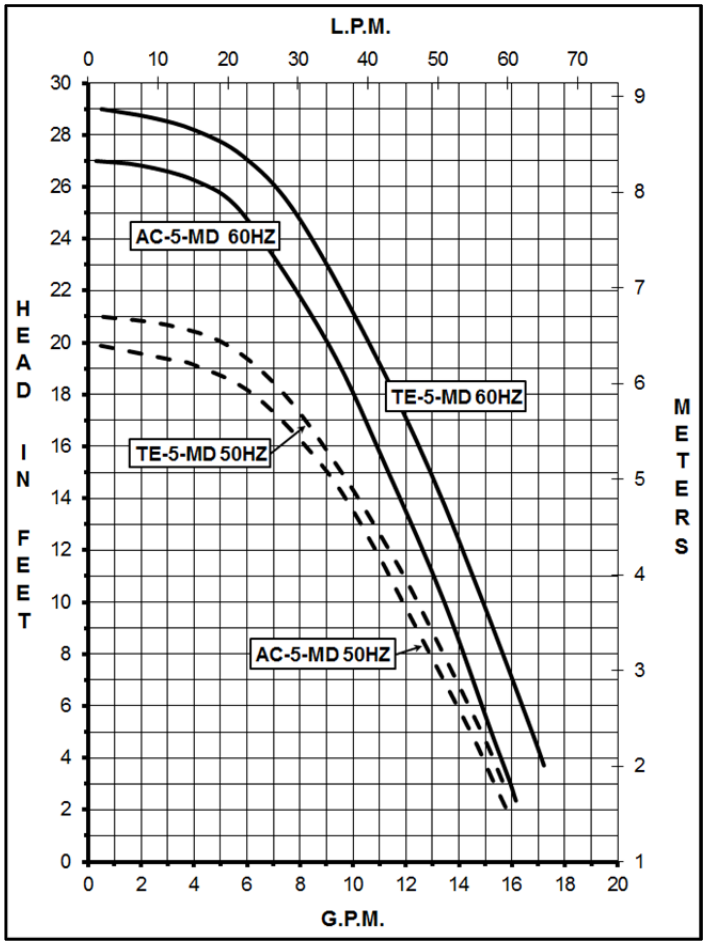
Series 5 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. All are serviceable with a screwdriver. See the parts list for a breakdown of parts.

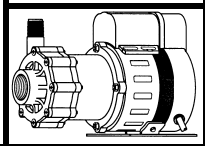
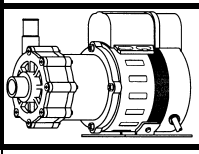
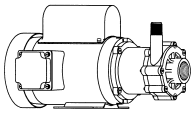
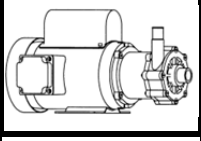
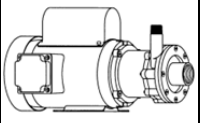
OPERATION:

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 liquids with a specific gravity greater than water, have a higher viscosity, or for elevated temperatures, a trimmed impeller may be necessary. For application assistance, contact March Pump.

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



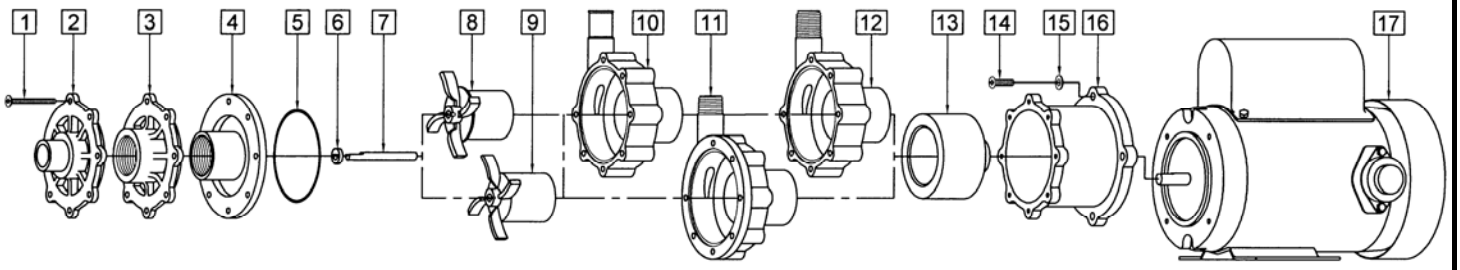
SPECIFICATIONS	AC-5C-MD	AC-5A-MD	TE-5C-MD	TE-5K-MD	TE-5A-MD	TE-5S-MD
						
Model Abbreviations	C: Polypropylene Threaded Ports	A: Polypropylene Smooth Ports	C: Polypropylene Threaded Inlet & Outlet Ports	K: Kynar Threaded Inlet & Outlet Ports	A: Polypropylene Smooth Ports	S: Stainless Threaded Ports
Max Flow 60Hz - 50Hz	17 gpm - 60 lpm		18 gpm - 60.5 lpm			
Max Head 60Hz - 50Hz	27 ft / 11.7 psi - 6 m		29 ft / 12.5 psi - 6.3 m			
Inlet Port	1" FPT	1" OD	1" FPT		1" OD	1" FPT
Outlet Port	1/2" MPT	3/4" OD	1/2" MPT		3/4" OD	1/2" MPT
Max Internal Pressure	50 psi / 3.4 bar		50 psi / 3.4 bar	75 psi / 5.0 bar	50 psi / 3.4 bar	200 psi / 13 bar
Max Liquid Temperature	190°F / 87°C		190°F / 87°C	200°F / 93°C	190°F / 87°C	250°F / 121°C
Overall Pump Size (H x W x L) Inches	6.19 x 4.52 x 9.27	6.19 x 4.52 x 9.83	7.19 x 8.02 x 13		7.19 x 8.02 x 13.56	7.19 x 8.02 x 13.31
Overall Pump Size (H x W x L) cm	15.7 x 11.4 x 23.5	15.7 x 11.4 x 24.9	18.2 x 20.3 x 33.0		18.2 x 20.3 x 34.4	18.2 x 20.3 x 33.8
Packed Weight	8.55 lbs / 3.87 kg		22.50 lbs / 10.20 kg	22.70 lbs / 10.29 kg	22.50 lbs / 10.20 kg	25.75 lbs / 11.68 kg
Models	**AC-5C-MD & AC-5A-MD**		**TE-5C-MD, TE-5A-MD, TE-5K-MD, & TE-5S-MD**			
Voltage	**Separate 115V or 230V**		**Dual 115V/230V**			
	60Hz	**50Hz**	**60Hz**		**50Hz**	
Motor Type	AC: Air Cooled		TEFC: Totally Enclosed Fan Cooled			
Rating / Duty	U.L. listed motor / Continuous		U.L. listed motor / Continuous			
1Ph Watts - Amps	(115V) 234 - 2.1	(115V) 214 - 2.1	(115V) 255 - 2.10		(110V) 177 - 2.2	
1Ph Watts - Amps	(230V) 250 - 1.0	(230V) 223 - 1.0	(230V) 255 - 1.05		(220V) 177 - 1.1	
1Ph Hp / Kw - Rpm	1/8 - 3450	0.093 - 2850	0.2 - 3450		0.149 - 2850	
Electrical Connection	3 ft (0.9 m) Cord		Conduit Box			

MATERIALS IN CONTACT WITH SOLUTION

TE-5C-MD	Polypropylene, Viton, Ceramic	TE-5S-MD	316 Stainless Steel, Viton, Ceramic, Carbon
TE-5A-MD	Polypropylene, Viton, Ceramic	AC-5C-MD	Polypropylene, Ceramic, Buna-N & Ceramic Magnet
TE-5K-MD	Kynar/Carbon Filled, Viton, Ceramic	AC-5A-MD	Polypropylene, Ceramic, Buna-N & Ceramic Magnet

All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.

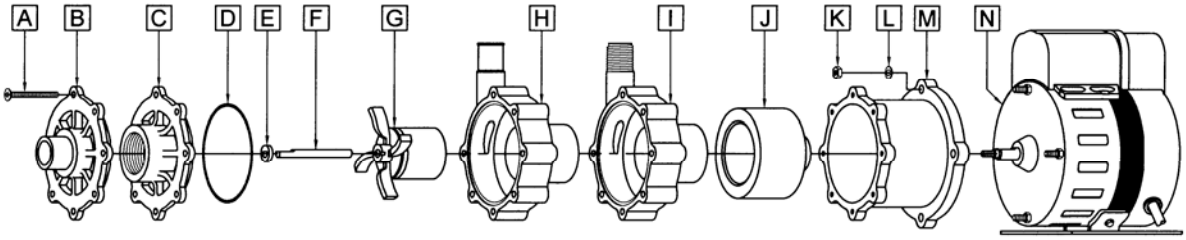
PARTS LIST



When attaching the Drive Magnet to motor shaft, position the face of the Drive Magnet 3/32 inch below the face of the Motor Bracket.

#	DESCRIPTION	MATERIAL	SIZE (Inches)	QTY.	TE-5C-MD	TE-5A-MD	TE-5K-MD	TE-5S-MD
1	Screw	Stainless	#8-32 x 1-3/4 Lg.	7	0150-0021-1000			
2	Cover	Polypropylene	1 OD Inlet	1		0150-0150-1000		
3	Cover	Polypropylene	1 FPT Inlet	1	0150-0032-1000			
		Kynar	1 FPT Inlet	1			0150-0124-1000	
4	Cover	316 Stainless	1 FPT Inlet	1				0150-0111-0000
5	"O" Ring	Viton	1/16 CS x 3 OD	1	0135-0023-1000			
	"O" Ring (Option)	Viton/Teflon	0.070 CS x 3-1/8 OD	1	0150-0171-1000			
	"O" Ring (Option)	Buna N	1/16 CS x 3 OD	1	0135-0007-1000			
6	Thrust Washer	Ceramic		1	0130-0028-1000			
7	Shaft	Ceramic		1	0130-0024-1000			
8	Impeller	Polypropylene		1	0150-0098-0200			
	Impeller (Option)	Polypropylene w/Carbon Bushing		1	0150-0098-0300			
	Impeller (Option)	Polypropylene w/Mica Teflon Bushing		1	0150-0098-0500			
	Impeller	Kynar		1			0150-0125-0200	
	Impeller (Option)	Kynar w/Carbon Bushing		1			0150-0125-0300	
	Impeller (Option)	Kynar w/Mica Teflon Bushing		1			0150-0125-0500	
9	Impeller	316 Stainless w/Carbon Bushing		1				0150-0114-0400
	Impeller (Option)	316 Stainless w/Mica Teflon Bushing		1				0150-0114-0600
NOTE: All Impellers (#'s 8 & 9) are encapsulated and can be used in the TE-5S-MD.								
10	Rear Housing	Polypropylene w/Ceramic Thrust Washer	3/4 OD Outlet	1		0150-0159-0100		
11	Rear Housing	316 Stainless	1/2 MPT Outlet	1				0150-0110-0000
12	Rear Housing	Polypropylene w/Ceramic Thrust Washer	1/2 MPT Outlet	1	0150-0031-0100			
	Rear Housing	Kynar w/Ceramic Thrust Washer	1/2 MPT Outlet	1			0150-0123-0100	
13	Drive Magnet			1	0150-0176-0300			
14	Screw	Stainless	#10-32 x 3/4 Lg.	4	0150-0050-1000			
15	Washer	Stainless	#10	4	0150-0051-1000			
16	Motor Bracket	Plastic		1	0150-0070-0100			
17	Motor, TEFC, 115/230V, 50/60Hz			1	0150-0090-1000			

Explosion proof & special voltage motors are available for TE-5C-MD, TE-5A-MD, TE-5K-MD, & TE-5S-MD upon special order.



#	DESCRIPTION	MATERIAL	SIZE (Inches)	QTY.	AC-5C-MD	AC-5A-MD
A	Screw	Stainless	#8-32 x 1-3/4 Lg.	7	0150-0021-1000	
B	Cover	Polypropylene	1 FPT Inlet	1	0150-0032-1000	
C	Cover	Polypropylene	1 OD Inlet	1		0150-0150-1000
D	"O" Ring	Buna N	1/16 CS x 3 OD	1	0135-0007-1000	
	"O" Ring (Option)	Viton	1/16 CS x 3 OD	1	0135-0023-1000	
	"O" Ring (Option)	Viton/Teflon	0.070 CS x 3-1/8 OD	1	0150-0171-1000	
E	Thrust Washer	Ceramic		1	0130-0028-1000	
F	Shaft	Ceramic		1	0130-0024-1000	
G	Impeller	Polypropylene w/Ceramic Magnet		1	0150-0030-0100	
	Impeller (Option)	Polypropylene w/Ceramic Magnet	Carbon Bushing	1	0150-0030-0700	
	Impeller (Option)	Polypropylene w/Ceramic Magnet	Mica Teflon Bushing	1	0150-0030-0800	
H	Rear Housing	Polypropylene w/Ceramic Thrust Washer	3/4 OD Outlet	1		0150-0159-0100
I	Rear Housing	Polypropylene w/Ceramic Thrust Washer	1/2 MPT Outlet	1	0150-0031-0100	
J	Drive Magnet			1	0150-0081-0100	
K	Nut (Hex)	Stainless	#10-32	4	0625-0024-1000	
L	Washer	Stainless	#10	4	0802-0006-1000	
M	Motor Bracket	Plastic		1	0150-0070-0100	
N	Motor, 115V, 50/60Hz			1	0150-0027-1000	
	Motor, 230V, 50/60Hz			1	0150-0040-1000	

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

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