



MARCH PUMPS

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DESCRIPTION:

Series 7 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. Pumps can be serviced with an adjustable wrench. See the parts list for a breakdown of parts.

Model Abbreviations: S: Stainless Steel

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. The direction of motor rotation should be clockwise when facing the inlet of the pump. 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.

MOTORS:

All models have an air motor. All have a 1/4" NPT air connection. Motors are 0.95 Hp (0.708 kW).

AIR MOTOR INSTALLATION:

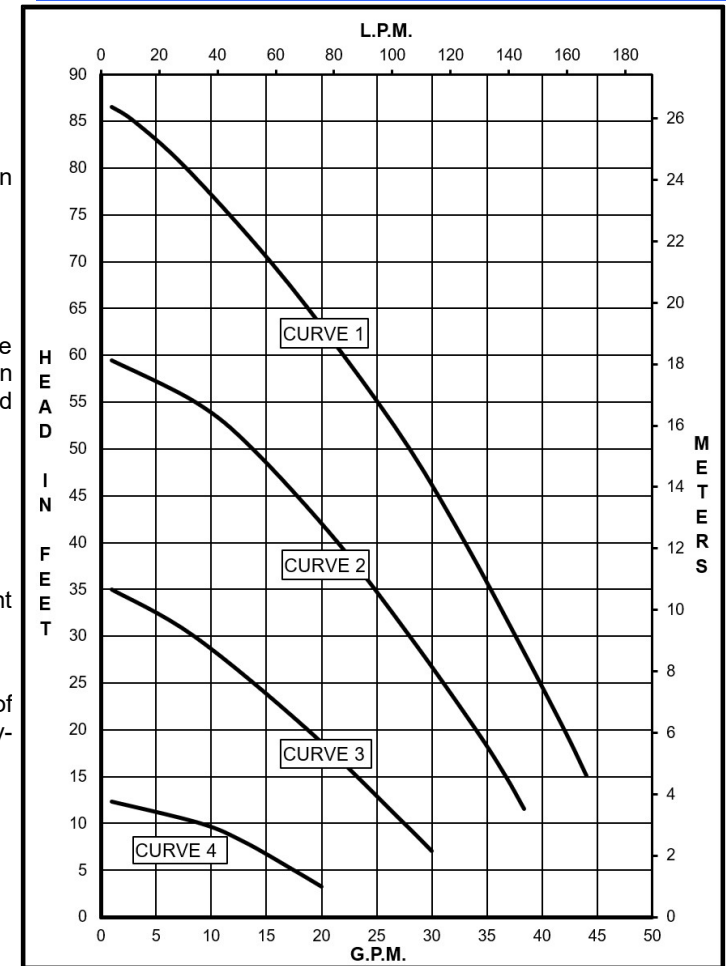
Install a moisture trap, filter, and an automatic airline lubricator in the air line just ahead of the air motor. Use detergent SAE #10 automotive engine oil.

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

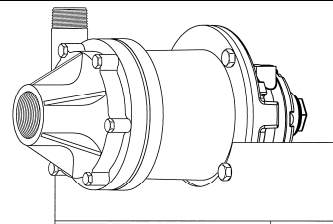
Model	PSI	CFM	Curve
TE-7-MD-AM	95	30	1
	75	22	2
	45	12	3
	25	6	4

TE-7S-MD-AM



SPECIFICATIONS

TE-7S-MD-AM



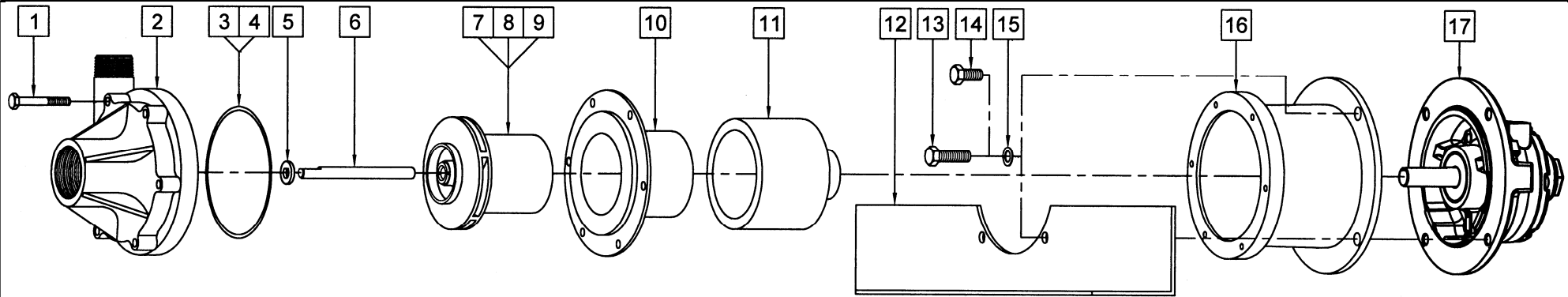
MODEL	Product #	Max Flow		Max Head			Inlet	Outlet	Max Internal Pressure		Max Liquid Temperature		Max Air Pressure		Height		Width		Length		Packed Weight		
		gpm	lpm	ft	psi	m			psi	kPa	°F	°C	psi	bar	CFM	Inches	cm	Inches	cm	Inches	cm	lbs	kg
TE-7S-MD-AM	0155-0262-0100	44	166	87	37.7	26.5	1-1/2" FPT	1" MPT	200	1378	250	121	100	6.8	30	8.12	20.6	12	30.4	11.31	28.7	32	14.51

All specifications/values are based on pumping water and are intended as a guideline only. Values may vary with different motors.

NOTE:

The Impeller, Shaft, and Thrust Washer are packed separately within the carton to prevent damage during shipping. These items need to be assembled into the pump before installation. Be sure all parts are assembled per the exploded view shown.

When replacing Impeller Bushing in the field: The plastic bushings must be bored to size after they have been pressed into the impeller. Bore to 0.378/0.381 I.D. The carbon and ceramic bushings are to finished size and do not require boring. When attaching drive magnet to the motor shaft, position the face of the drive magnet 1/8 inch below the face of the motor bracket.

PARTS LIST				
				
#	TE-7S-MD-AM			
1	0155-0014-1000	6	1/4"-20 x 2" Lg. Screw (Stainless)	
2	0155-0036-0010	1	Front Housing (316 Stainless)	
3	0155-0010-1000	1	1/8" CS x 4-3/8" OD "O" Ring (Viton)	
4	0155-0071-1000	1	1/8" CS x 4-3/8" OD "O" Ring (Viton/Teflon) – Option	
5	0155-0009-1000	1	Thrust Washer (Ceramic)	
6	0155-0117-1000	1	4.257" Lg. Shaft (Ceramic)	
7	0155-0112-0400	1	Impeller w/Carbon Bushing (316 Stainless)	
8	0155-0112-0300	1	Impeller w/Teflon/Ryton/Carbon Bushing – Option	
9	0155-0112-0800	1	Impeller w/Mica Teflon Bushing (316 Stainless) – Option	
10	0155-0035-0010	1	Rear Housing w/Ceramic Thrust Washer (316 Stainless)	
11	0155-0130-0200	1	Drive Magnet	
12	0155-0260-0000	1	Pump Support Bracket (Aluminum)	
13	0161-0042-1000	2	3/8"-16 x 1-1/4" Lg. Screw (Stainless)	
14	0155-0017-1000	2	3/8"-16 x 3/4" Lg. Screw (Stainless)	
15	0155-0019-1000	4	3/8" ID x 5/8" OD Washer (Stainless)	
16	1095-0015-0010	1	Motor Bracket (Aluminum)	
16A	0155-0092-0100	1	Motor Bracket (Plastic) – Option	
17	0155-0257-1000	1	Air Motor	
Materials in Contact with Solution				
316 Stainless Steel, Viton, Ceramic, Carbon				
NOTE: Contact Factory for other materials and/or parts not listed.				