



MARCH PUMPS

1819 PICKWICK AVE., GLENVIEW, IL 60026-1306, U.S.A

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:

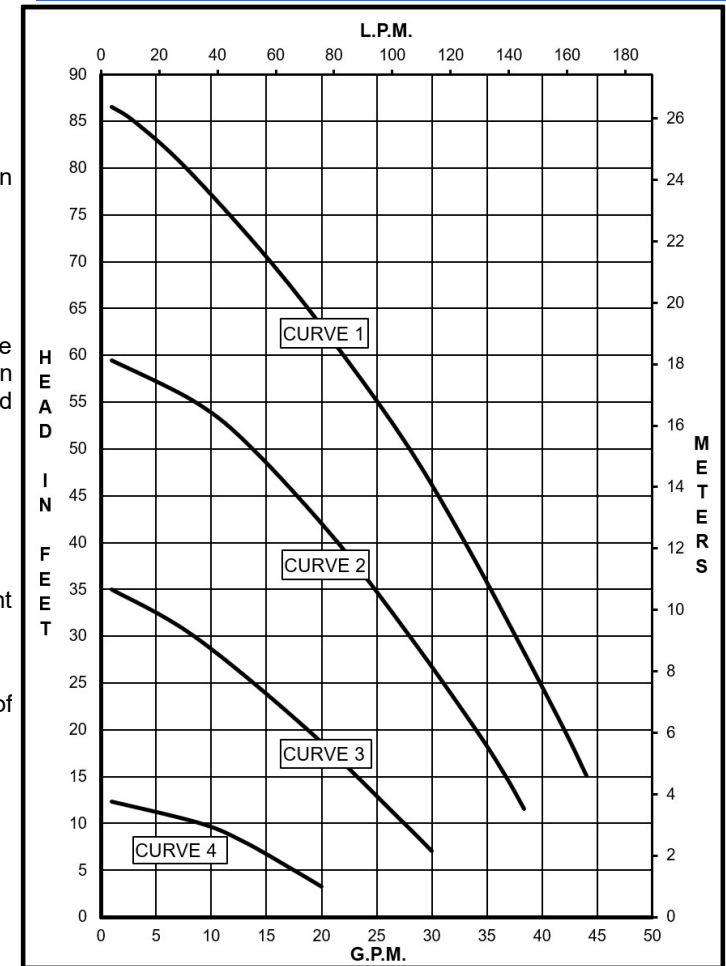
Install a moisture trap, filter, and an automatic airline lubricator in the air line just ahead of the air motor. Use detergent SAE #10 automotive engine oil.

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.

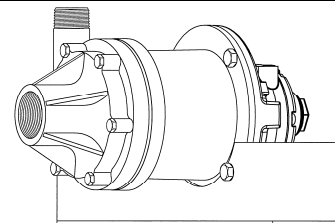
| Model | PSI | CFM | Curve |
|------------|-----|-----|-------|
| TE-7-MD-AM | 95 | 30 | 1 |
| | 75 | 22 | 2 |
| | 45 | 12 | 3 |
| | 25 | 6 | 4 |

TE-7S-MD-AM



SPECIFICATIONS

TE-7S-MD-AM



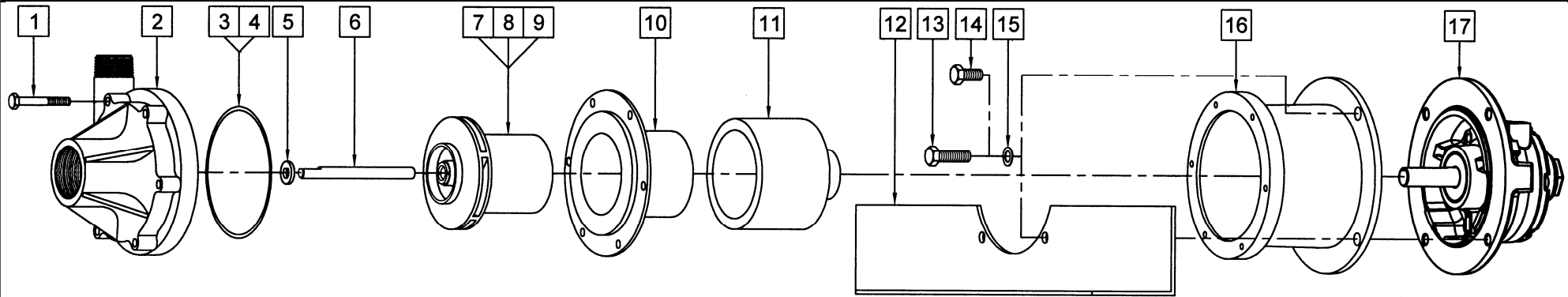
| MODEL | Product # | Max Flow | | Max Head | | | Inlet | Outlet | Max Internal Pressure | | Max Liquid Temperature | | Max Air Pressure | | Height | | Width | | Length | | Packed Weight | | |
|-------------|----------------|----------|-----|----------|------|------|------------|--------|-----------------------|------|------------------------|-----|------------------|-----|--------|--------|-------|--------|--------|--------|---------------|-----|-------|
| | | 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. | | | |