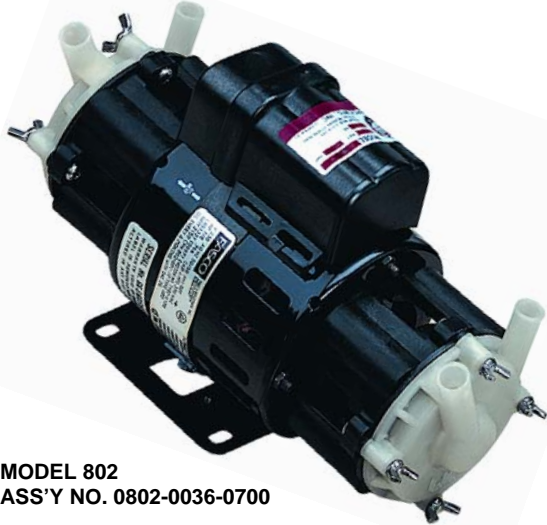




# MARCH PUMPS

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## INSTRUCTIONS & REPAIR PARTS FOR MODELS 802, 851



MODEL 802  
 ASS'Y NO. 0802-0036-0700



MODEL 851  
 ASS'Y NO. 0851-0001-0100

### RATINGS AND SPECIFICATIONS

MODEL NO.	Max Flow* (GPM)	Max. Head (in ft.)	Inlet (O.D.)	Outlet (O.D.)	MOTOR					Max. Overall Dimensions			Pack Wt.		
					HP	RPM	Volts	Cycles	Type	Watts	Amps	Ht.		Wd.	Lg.
802	8	16.5	1/2"	1/2" Smooth	1/8	3450	230	50/60	Permanent Split Capacitor	180	.84	6 1/4"	4 1/2"	10 1/2"	11 1/2"
851	8	20.0	5/8"										5"	12"	

\*At one foot head. Ratings are for each pump head. For total capacity, double the GPM.

#### PUMP CONSTRUCTION

March "Orbital" Magnetic Drive Pumps eliminate the conventional shaft seals found in most pumps. This means that there is no rotating seal to wear and allow the liquid being pumped to leak out. There are only two areas in this type construction that rotate and could wear out. One area is the motor shaft and bearings. The second area is the impeller rotating on a stationary spindle, and hence these are the only two areas where wearing can occur. All parts can be easily serviced and replaced in the field if necessary. By removing the 4 wing nuts or 4 screws the entire pump can be disassembled. See the Repair Parts List for necessary replacement items.

#### PUMP MATERIALS

The plastic parts are molded out of glass filled polypropylene and Kynar. The stationary impeller spindle is ceramic on Model 851. The "O" rings are Viton or Ethylene Propylene rubber. There is a type 316 stainless or ceramic thrust washer and thrust screw. The magnet is a glazed ceramic. For materials other than standard, contact the factory.

#### ELECTRICAL & OPERATION

The motors are 230 volt 50/60 cycle, 1 phase A.C. Motors are thermal overload protected and are U.L. recognized. The black and white lead should be connected to your power source. The green lead must be connected to the ground.

Pumps are not self priming and will not produce a suction lift and must be installed with a positive flooded suction. The pumps should not be run dry for more than 60 seconds as the plastic impeller will squeal and bind onto the stationary spindle.

<b>REPAIR PARTS LIST FOR MODELS 802 &amp; 851</b>				
<b>USED IN</b>	<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY.</b>	<b>PART NO.</b>
802,851	1	Motor, 230 volt	1	0802-0001-1000
802	2	Bracket (Mtr) & 1- <sup>3</sup> / <sub>8</sub> " Screw Assy	2	0130-0017-0100
851	2a	Bracket (Mtr) & 2-1/4" Screw Assy	2	0130-0017-0400
802	3a	Drive Magnet Assembly	2	0135-0126-0200
851	3b	Drive Magnet Assembly	2	0130-0043-0300
802	4	Impeller Magnet Housing W/Shaft	2	0802-0043-1000
802	5a	Pump Housing R.H.	1	0802-0023-1000
802	5b	Pump Housing L.H.	1	0802-0024-1000
851	5c	Pump Housing	2	0851-0001-1000
851	6	Cover, Housing	2	0851-0002-1000
802	7a	"O" Ring, Housing (Ethylene Propylene)	2	0750-0053-1000
851	7b	"O" Ring, Housing (Viton)	2	0851-0006-1000
802	8a	Impeller & Magnet Assembly	2	0135-0043-0100
851	8b	Impeller & Magnet Assembly	2	0851-0026-0200
851	9	Shaft, Impeller (Ceramic)	2	0130-0024-1000
802	10a	Thrust Washer	2	0802-0057-1000
802	10b	Thrust Screw (Stainless Steel)	2	0135-0042-1000
851	10c	Thrust Washer (Ceramic)	2	0130-0028-1000
802	11a	Screws, Housing to Bracket	8	0802-0010-1000
851	11b	Screws, Pump Housing	8	0851-0005-1000
802	12	Wing Nuts, Pump Housing	8	0802-0009-1000
802,851	13	Motor Capacitor (for spare part only)	1	0925-0002-1000
802,851	14	Lockwasher	6	0802-0006-1000
802,851	15	Nut (Hex)	6	0802-0008-1000

Contact factory for other materials and/or parts not listed.

### **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. On all other solutions, contact the factory for application assistance. March Pump Application Worksheet 750-130-10 is available for additional warranty information.