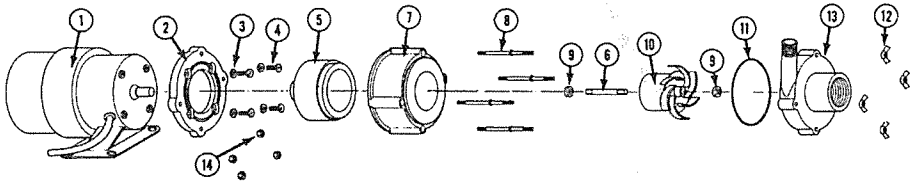

Note: Motor configuration may vary from model to model.
Remarque : la configuration du moteur peut varier selon le modèle.
Nota: La configuración del motor puede variar de modelo a modelo.

*PARTS LIST				USED ON GRAINGER STOCK NO. LITTLE GIANT MODEL					
ITEM NO.	MFR'S PART NO.	PART DESCRIPTION	QTY.	2P038 3-MD-SC	2P039 3-MD-MT-HC	2P040 TE-3-MD-HC	2P041 4-MD-SC	2P042 5-MD-SC	2P043 TE-5-MD-HC
1	977458	Motor, 115 Volt	1	•					
1	977456	Motor, 115 Volt	1		•				
1	977339	Motor, 115 Volt	1			•			
1	977442	Motor, 115 Volt	1				•		
1	977410	Motor, 115 Volt	1					•	
1	977454	Motor, 115 Volt	1						•
2	180048	Adaptor	1	•	•		•		
2	180042	Adaptor/Base	1			•			
2	183037	Adaptor	1					•	
3	921075	Washer, #8 Flat	4	•	•	•	•		
4	901424	Screw, Machine #8-32 x 1/2"	4		•		•		
5	182602	Drive Magnet Assembly	1	•		•			
5	180602	Drive Magnet Assembly	1		•				
5	183602	Drive Magnet Assembly	1				•	•	•
6	180057	Shaft, Impeller	1	•		•	•	•	•
6	180059	Shaft, Impeller	1		•				
7	182005	Housing, Polypropylene	1	•			•	•	
7	180005	Housing, Ryton	1		•				
7	182006	Housing, Ryton	1			•			•
8	911403	Stud, Collared, #8-32	4	•	•	•	•	•	•
9	921077	Thrust Washer	2	•	•	•	•	•	•
10	181140	Impeller Assembly, Polypropylene	1	•					
10	181142	Impeller Assembly, Ryton with Bushing	1		•				
10	181148	Impeller Assembly, Ryton with Bushing	1			•			
10	182132	Impeller Assembly, Polypropylene	1				•		
10	183139	Impeller Assembly, Polypropylene	1					•	
10	183141	Impeller Assembly, Ryton with Bushing	1						•
11	924008	O-Ring, Viton	1	•	•	•	•	•	•
12	920003	Wing Nut, #8-32	4	•	•	•	•	•	•
13	181203	Volute, Polypropylene	1	•					
13	181202	Volute, Ryton	1		•				
13	180080	Volute, Ryton	1			•			
13	182010	Volute, Polypropylene	1				•		
13	183065	Volute, Polypropylene	1					•	
13	183066	Volute, Ryton	1						•
14	920006	Nut, Hex #8-32	4	•		•			
14	920008	Nut, Hex #10-32	4					•	

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Form 993342–10/96

Little Giant Pump Company
P. O. Box 12010
Oklahoma City, OK 73157-2010
(405) 947-2511 • Fax: (405) 947-8720

STOCK NO. La Réserve Pas. Abastezca No.	MODEL NO. N° du Modèle Numero de Modelo
2P038	3-MD-SC
2P039	3-MD-MT-HC
2P040	TE-3-MD-HC
2P041	4-MD-SC
2P042	5-MD-SC
2P043	TE-5-MD-HC

PUMP CONSTRUCTION

The patented Little Giant magnetic drive pump design consists of a cylindrical drive magnet attached to the motor shaft which rotates around a chemical resistant plastic separator housing. Inside this housing is a magnet completely encapsulated in chemical resistant plastic, and fixed to the impeller. The impeller assembly is free to rotate on a spindle that is supported at both ends. The spindle is held captive and does not turn. Front and rear thrust washers are utilized as wear bearings. The washers are held captive and do not revolve. This prevents wear on the shaft. With the magnetic coupling the motor drives the impeller. This coupling eliminates the conventional shaft seal and its possibility of leakage.

PUMP MATERIALS

The plastic parts on SC series pumps are made of glass-filled polypropylene. The plastic parts on the HC series pumps are glass filled Ryton©. The spindle shaft, which is stationary, and the captive thrust washers (front and rear) are alumina ceramic. One side of thrust washer is polished. This side interfaces with the spinning impeller. The other side is identified by a black dot and is not polished. The o-ring seal is Viton©. Utilizes a pure carbon bushing in the impeller to enable the pump to run dry for periods up to eight hours.

INSTALLATION

Your Little Giant pump is delivered to you completely preassembled and pretested from the factory. It is ready for immediate use. The pump may be installed in any position. It may be mounted vertically with the pump head down. Proper plumbing connections should be made. See specification table to determine what size intake and discharge your pump has. Use a thread sealer on all pipe connections and hand tighten only. Note: On HC models a roll of Teflon® pipe seal tape is supplied. Do not use a wrench to tighten the HC model connections. Excessive force may damage the plastic part. Make sure the wing nuts are tight before operating the pump.

Motor nameplates list all electrical data. Make sure the pump is connected to proper voltage before operating. When wiring pumps with no plug, the green (or green/yellow) wire is the ground. The other two wires are line (live). Wire TE-5 pumps as follows: (For 115 volts) line-4; line-1, 3, 8; Tog'er-2, J, 5. (For 230 volts) line-4; line-1; Tog'er-2, 3, 8' Tog'er-5, J. If fused type plug is used, a 2.0 amp fuse is recommended.

Do not allow the SC models to run dry (without fluid). However, because the HC models utilize a carbon bushing in the impeller they may be allowed to run dry for periods up to eight hours at a time. These pumps are not submersible. Operate the pumps only in the in-line mode. Do not put the units in liquid. Pump should be installed in a dry area and protected from splash. These pumps are not self priming models. They must be installed so that the pump head (volute) is flooded at the time the pump is to be started. Do not restrict the intake side of the pump. Connections on the intake side should not be of smaller inside diameter pipe or tubing or hose than the intake inside diameter of the intake thread designation. If reduced flow is required restrict the discharge side. Installing a valve or other type of restriction device on the discharge side is the proper method for reducing flow from the pump. When using a valve the pump can be throttled to provide various flow rates and pressures without harming the motor or the pump parts.

SERVICE INSTRUCTIONS

⚠WARNING⚠

MAKE CERTAIN THE UNIT IS DISCONNECTED FROM THE POWER SOURCE BEFORE ATTEMPTING TO SERVICE OR REMOVE ANY COMPONENT!

1. The motor's sleeve bearings should be lubricated every six months with two to three drops of S.A.E. 20 weight non-detergent oil. The oil holes are located on top at each end of the motor.
2. All wetted parts can be serviced by removing the (4) wingnuts (item 12) to the housing. The pump head components can easily be replaced in the field if necessary.
3. Lightly clean any corrosion or debris which may clog the impeller.
4. If pump is tripping circuit breakers, GFCI, or not operating properly after cleaning, return to Little Giant or its authorized service center. DO NOT attempt repairs yourself.
5. Be certain power cord is in good condition and contains no nicks or cuts.

COMPOSITION DE LA POMPE

La conception brevetée de la pompe à entraînement magnétique Little Giant consiste en un cylindre magnétique d'entraînement, fixé à l'arbre du moteur, qui tourne autour d'un boîtier séparateur de plastique résistant aux produits chimiques. À l'intérieur du boîtier se trouve un aimant complètement encapsulé dans du plastique du même type. Cet aimant est fixé à la turbine. Celle-ci tourne sur un mandrin supporté à ses deux extrémités. Le mandrin, lui, ne tourne pas. Des rondelles de butée avant et arrière servent de coussinets d'usure. Afin de prévenir l'usure du mandrin, les rondelles sont immobilisées et ne tournent pas. Le couplage de l'aimant acionne le moteur qui fait tourner la turbine. Le couplage élimine le presse-étoupe de l'arbre et du même coup le risque de fuite.

MATÉRIAUX DE CONSTRUCTION

Les piéces de plastique des pompes de la série SC sont faites en polypropylène vitrifié. Les pièces de plastique des pompes de la série HC sont faites de Ryton® vitrifié. Le mandrin et les rondelles de butée, tous stationnaires, sont faits en céramique d'alumine.