

Brick

Permit Without a Jacket

Permit Number 3084

Construction Permit # 3084

..3-11-85.., 19.....

Owner ..Berry, Joseph.....
Location ...745 Pine Dr.....
.....Cedar Bridge Manor.....
Block...678-3.....Lot ...6.7.....
Contractor ...East Coast Installers.....
Fee\$...40.00.....Use ..Above ground pool.....

VIOATIONS

BUILDING SUB-CODE INSPECTIONS

Footing Trench
Foundation
Slab
Sheathing
Framing
Insulation
Sheet Rock
Plumbing
Fire Inspection
Final6-23-89 /kws.....
C.O. Issued.....

PLUMBING SUB-CODE INSPECTIONS

Slab
Rough
Septic/Sewer
Water
Final

Electrical Final

Use reverse side for additional remarks

CONSTRUCTION PERMIT APPLICATION

BRICK TOWNSHIP, NEW JERSEY

IMPORTANT — Complete ALL items. Mark boxes where applicable

I. LOCATION OF BUILDING

Number and street
745 Pine Drive

N S

E W side of

[Other local geographic, political, or legal subdivision identification]

N S

feet E W from intersection of

[Other local geographic, political, or legal subdivision identification]

II. TYPE AND COST OF BUILDING — All applicants complete Parts A-D

A. TYPE OF IMPROVEMENT

- 1 ☐ New buildings
- 2 ☐ Addition (if residential, enter number of new housing units added, if any, in Part D, 13)
- 3 ☐ Alteration (See 2 above)
- 4 ☐ Repair, replacement
- 5 ☐ Demolition
- 6 ☐ Moving (relocation)
- 7 ☐ Garage
- ☒ Swim Pool ☐ In ☒ Out
- ☐ Fence

B. OWNERSHIP

- 8 ☐ Private (individual, corporation, nonprofit institution, etc.)
- 9 ☐ Public (Federal, State, or local government)

Reside

C. COST

10. Cost of Improvement \$
- To be installed but not included in the above cost:
 - a. Electrical (# Fictures, Outlets)
 - b. Plumbing (# of Fixtures)
 - c. Heating, air conditioning
 - d. Other (elevator, etc.)
11. TOTAL COST OF IMPROVEMENT \$ *44,000*

(Omit cents)

Nonresidential — Describe in detail proposed use of building, e.g., food processing plant, machine shop, laundry building at hospital, elementary school, secondary school, college, parochial school, parking garage for department store, rental office building, office building at industrial plant. If use of existing building is being changed, enter proposed use.

(exist fence for homecoming)

15x4 Above Gr. Pool

w/safety ladder

Residential

- 12 ☐ One family
- 13 ☐ Two or more family — Enter number of units
- 14 ☐ Transient hotel, motel, or dormitory — Enter number of units
- 15 ☐ Garage
- 16 ☐ Carport
- 17 ☐ Other — Specify *W/safety ladder*

Nonresidential

- 18 ☐ Amusement, recreational
- 19 ☐ Church, other religious
- 20 ☐ Industrial
- 21 ☐ Parking garage
- 22 ☐ Service station, repair garage
- 23 ☐ Hospital, institutional
- 24 ☐ Office, bank, professional
- 25 ☐ Public utility
- 26 ☐ School, library, other educational
- 27 ☐ Stores, mercantile
- 28 ☐ Tanks, towers
- 29 ☐ Other — Specify

III. SELECTED CHARACTERISTICS OF BUILDING —

For new buildings and additions, complete Parts E-I; for wrecking, complete only Part H, for all others skip to IV.

E. PRINCIPAL TYPE OF FRAME

- ☐ Masonry (wall bearing)
- ☐ Wood frame
- ☐ Structural steel
- ☐ Reinforced concrete
- ☐ Other — Specify

F. TYPE OF HEATING SYSTEM

Specify Air Cond. Yes ☐ No ☐

G. TYPE OF SEWERAGE DISPOSAL

- ☐ Public
- ☐ Individual

H. DIMENSIONS

Number of stories

Total square feet of floor area, all floors, based on exterior dimensions

Total land area, sq. ft.

I. RESIDENTIAL BUILDING ONLY

Number of bedrooms

Number of bathrooms

FEE COMPUTATIONS

VOLUME OF BUILDING

BUILDING SUB CODE

ELECTRICAL CODE

PLUMBING CODE

PLAN REVIEW

CERTIFICATE OF OCCUPANCY

STATE TRAINING FUND

CONSTRUCTION

PERMIT FEE

35.00

5.00

4.50

49.00

SEE REVERSE

3084

check

RECEIVED
MAR 74

BUILDING

Block

3 678.3

SUB CONTRACTORS

NAME	TRADE	ADDRESS	ZIP CODE	* PHONE #
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				

PERSON TO BE IN CHARGE OF CONSTRUCTION

NAME EAST COAST INSTALLERS

ADDRESS

IV. IDENTIFICATION — To be completed by all applicants

Name	Mailing address — Number, street, city, and State	ZIP code	Tel. No.
1. <u>Joseph Loretta Berry</u> Owner Agent	<u>745 Pine Dr.</u> <u>Brick, NJ</u>	<u>08723</u>	<u>477-</u> <u>0953</u>
2. Contractor			
3. Architects			

The owner of this building and the undersigned agree to conform to all applicable laws of Township of Brick and that all required state, county and local prior approvals have been given.

Signature of applicant

Loretta Berry

Address

745 Pine Dr. BT

Application date

3/13/85

DO NOT WRITE IN THIS SPACE — FOR OFFICE USE ONLY

Approved by

Edward Wago

Date permit issued

3/11/85

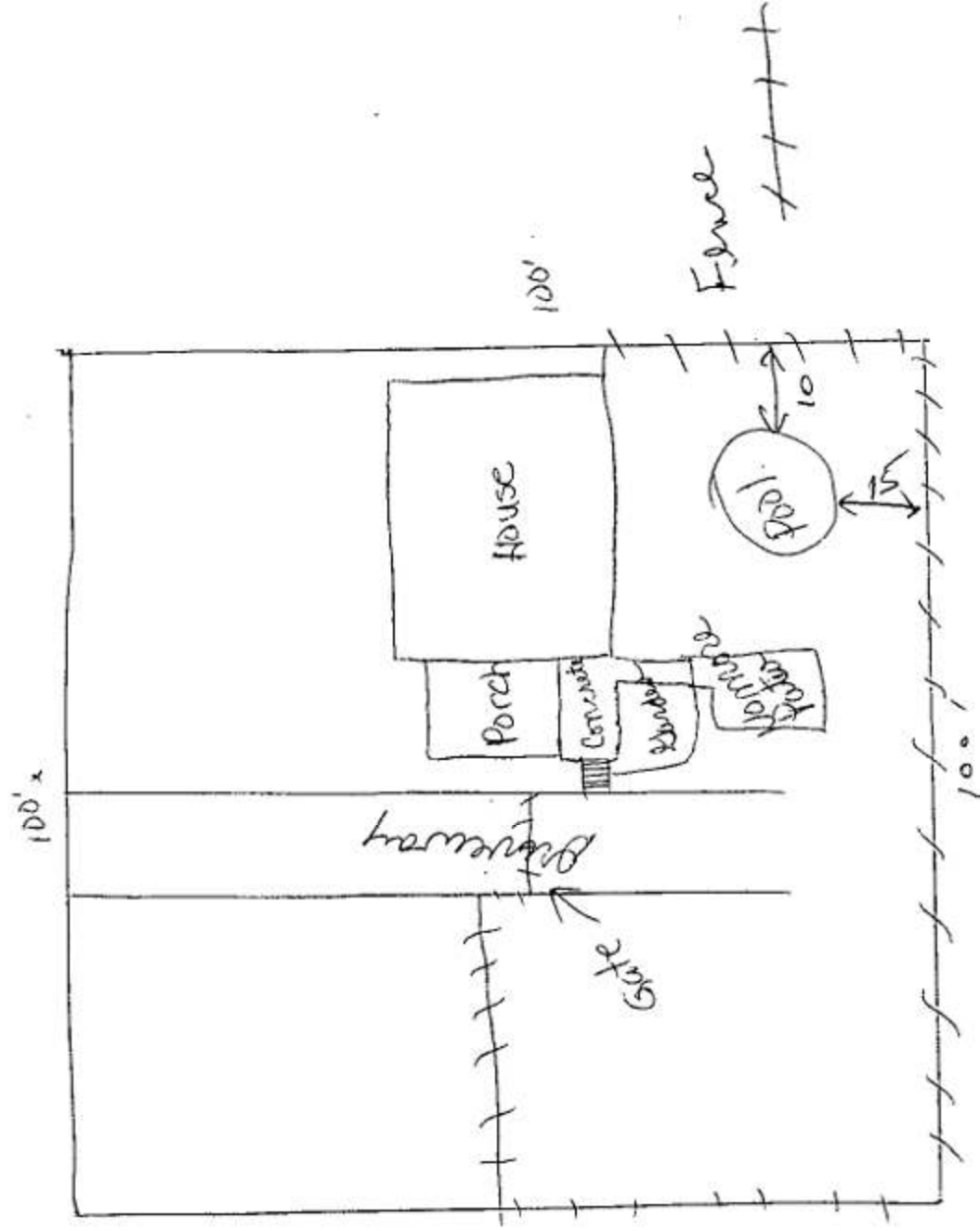
Permit Number

3084

I agree to construct said building in conformity with the plans and specifications filed with the Construction Official and in compliance with the provisions of the Building Code whether shown on plans or not.

745 Pine Dr.

Lot 67 on Block 3.



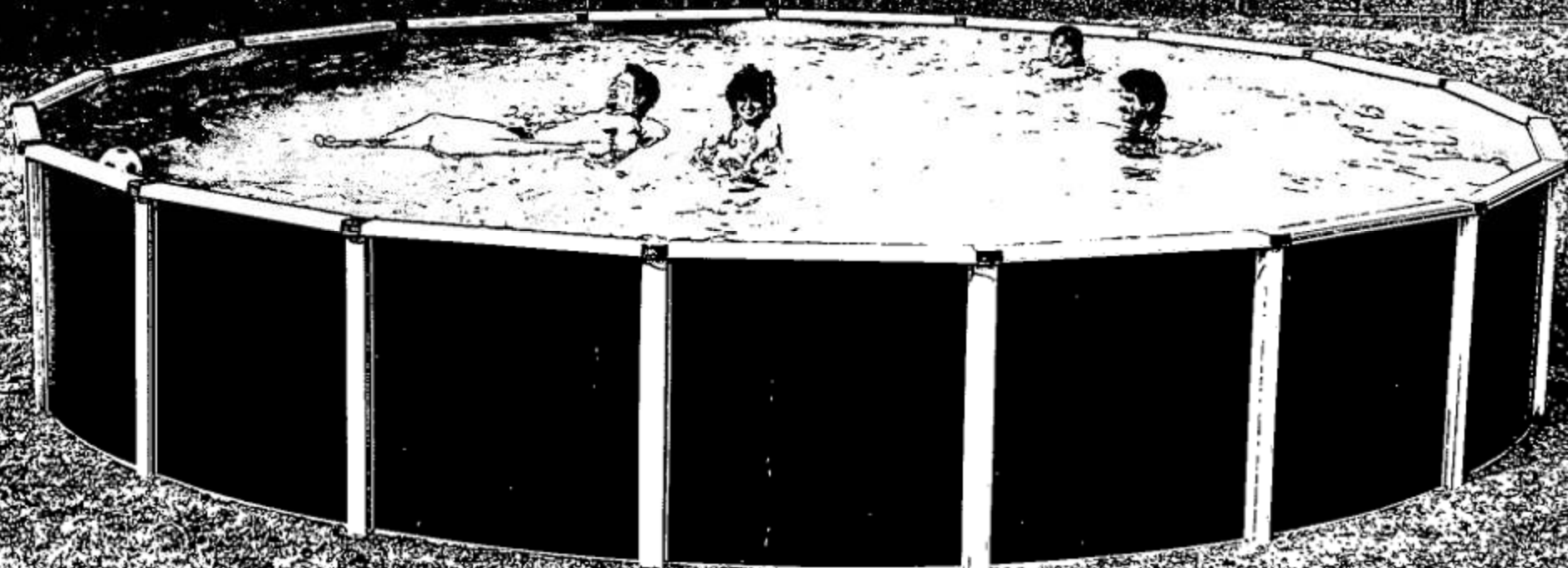
Approved
3/15/00
JPK
JPK

Loretta Berry

New Yorker

A low cost luxury aluminum pool for
your family's sunshine activities.

The Newest in Home Pool Technology



NEW YORKER

FEATURES AND SPECIFICATIONS AMERICAN MADE WITH OLD TIME STANDARDS OF QUALITY AND VALUE

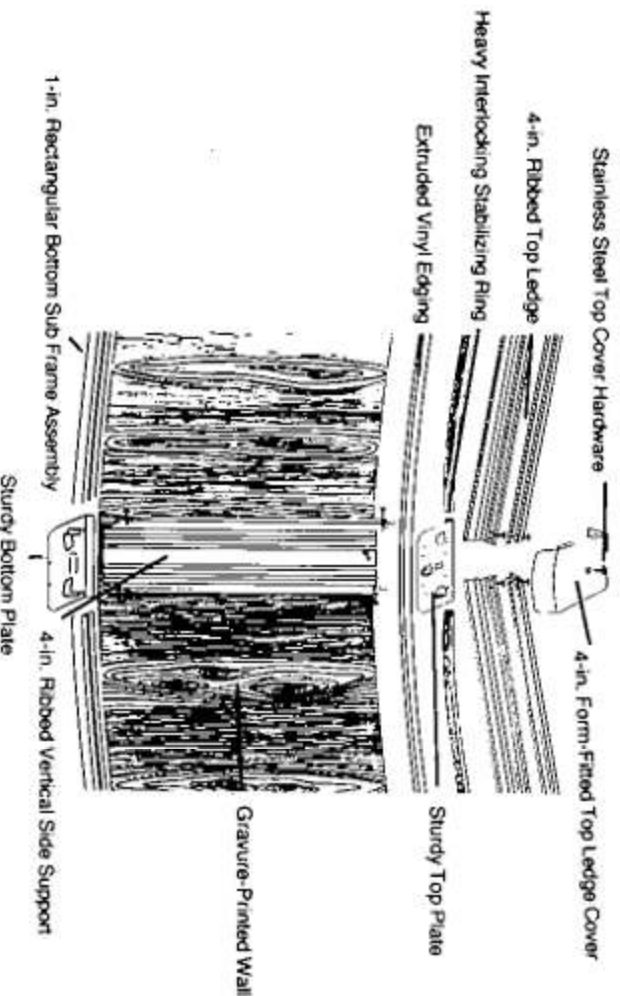
- 4-in. aluminum top ledge, ribbed for additional strength. Ledge designed for proper water runoff. No water puddling to corrode metal.
- 4-in. form-fitted aluminum ledge cover.
- Stainless steel top cover hardware.
- 4-in. ribbed aluminum vertical side support.
- Heavy aluminum interlocking top wall stabilizing ring.
- Baked outdoor enamel, alodized and bonded paint system used on both sides of frame and wall for maximum protection of metals.

- Rectangular 1-in. aluminum bottom sub frame assembly for added strength and rigidity.
- Post-Lock frame construction for maximum stability.
- Wall corrugated for added vertical strength.
- Wall scored for through-the-wall skimmer and return fitting.
- Patented (U.S. Patent No. 4,223,498) four-bar wall closure system to insure proper assembly and maximum strength at the wall seam.

- Modular ledge and vertical structures for easy assembly.
- ### OVAL POOL FEATURES
- Seamless U Channel buttress and brace construction.
 - Patented hold down pressure sheet.
 - Interlocking post and strap assembly.
 - High strength tension bolts.

WARRANTY

Twelve (12) year limited warranty; first two seasons, no charge for parts.



NEW YORKER POOL SIZES AND CAPACITIES (approximate)

ROUND POOL		OVAL POOL	
SIZE	CAPACITY	SIZE	CAPACITY
12-ft. x 48-in.	4,300 gal.	12-ft. x 18-ft. x 48-in.	5,525 gal.
15-ft. x 48-in.	5,525 gal.	12-ft. x 24-ft. x 48-in.	7,688 gal.
18-ft. x 48-in.	7,700 gal.		
21-ft. x 48-in.	10,400 gal.		
24-ft. x 48-in.	13,500 gal.		

DECOR

Rich, knotty pine gravure-printed wall. Contrasting tan frame and chestnut brown top ledge covers.



Swim in Play, Inc.

U.S. HIGHWAY 1 and 9 SOUTH and INTERNATIONAL WAY • NEWARK, NEW JERSEY 07114 • 201/242-0187
TELEX # 844136

WARNING: POOLS ARE NOT DESIGNED FOR DIVING OR JUMPING — 4 FEET DEEP.



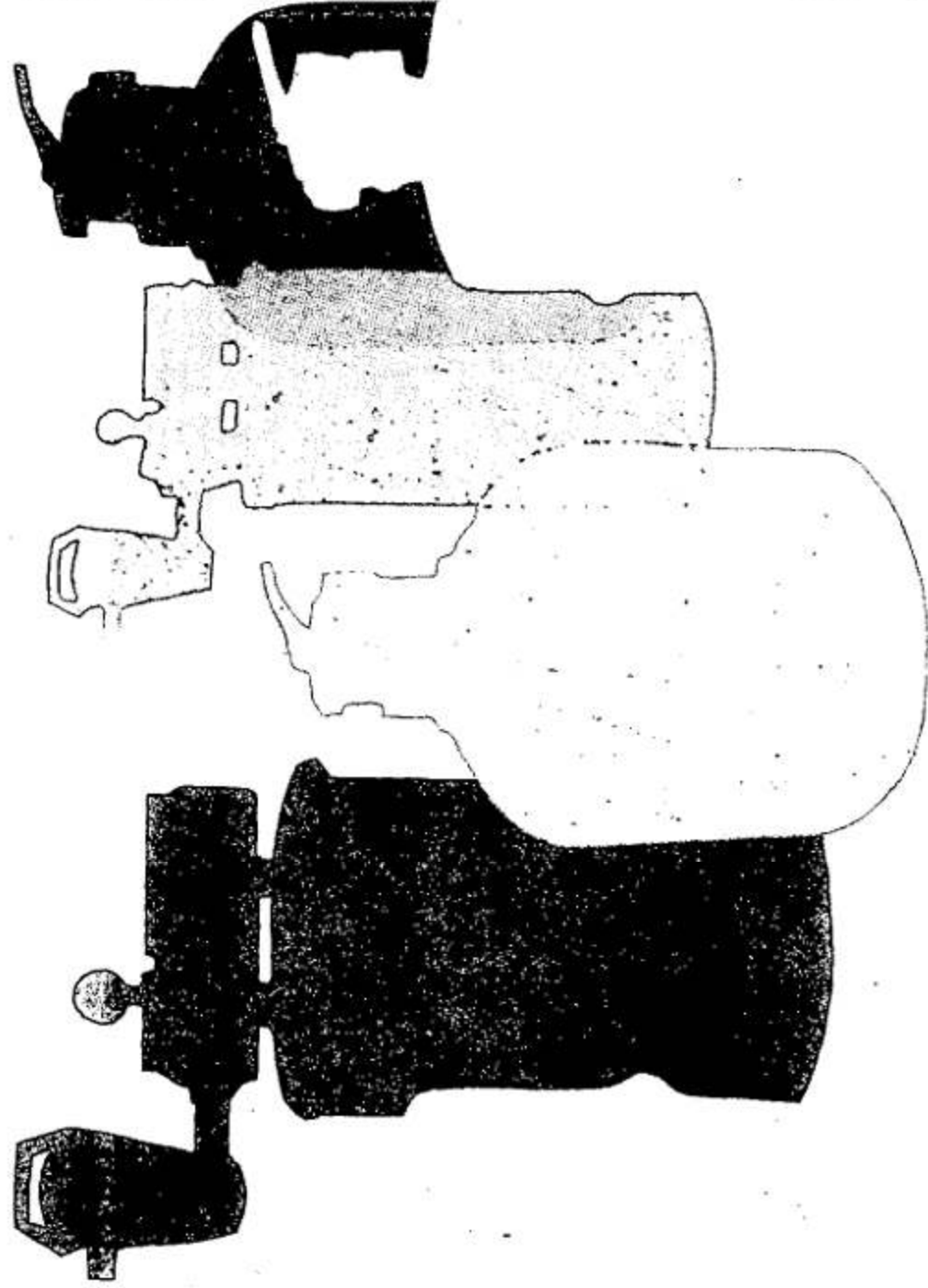
MEMBER NATIONAL SWIMMING POOL INSTITUTE

Manufacturer reserves the right to alter specifications without notice. All pool sizes are approximate.

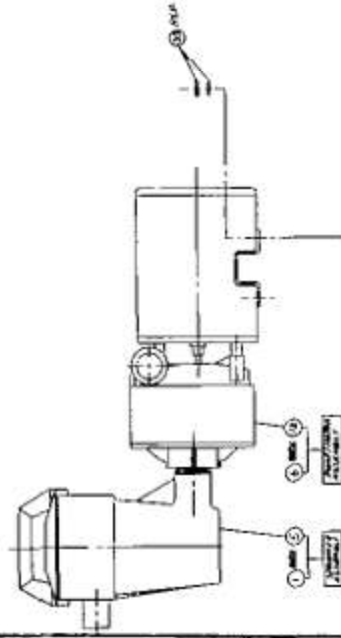
OWNERS MANUAL
for Crystal Clear®
EARTH FILTERS

**DE-1200PHG, 1600PHG,
2200SB, 2600SB**

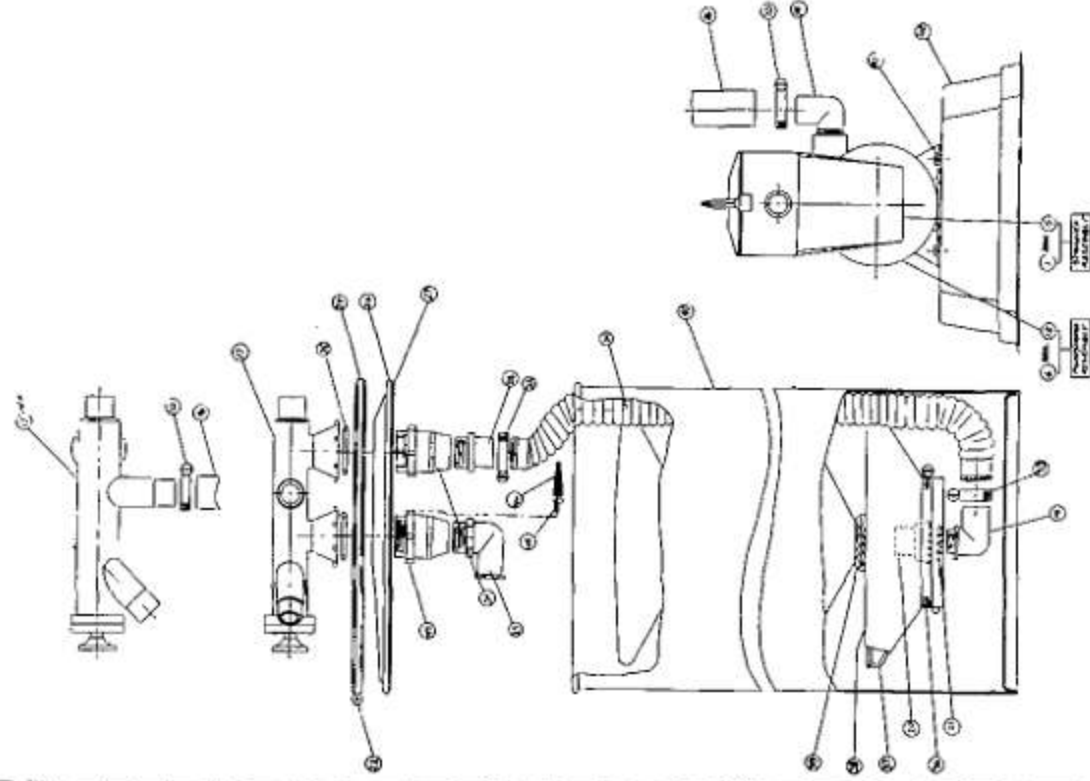
Diaclear®



EXPLODED VIEW FOR MODELS: DE/1200 PHG, 1600 PHG, DE2200SB, 2600SB



Adapter Extension #45131 should be used on #11
before attaching strainer #5



PARTS LIST FOR DE SERIES FILTERS

KEY NO. DESCRIPTION	DE 1200 P.H.G. Galvanized	DE 1600 P.H.G. Galvanized	DE 2200 S.B. Stainless/Base	DE 2600 S.B. Stainless/Base
1 Strainer Cover	1-835172	1-835172	1-835172	1-835172
2 Gasket for Cover -	1-830082	1-830082	1-830082	1-830082
3-4 Basket w/Handle	1-835531	1-835531	1-835531	1-835531
5 Reservoir	1-835162	1-835162	1-835162	1-835162
6 Impeller -	1-810136	1-810136	1-810136	1-810136
7-8 Seal Assy	1-835100	1-835100	1-835100	1-835100
9 Housing - Short Pump	1-810161	1-810161	1-810161	1-810161
10 Motor	1-835183-1/2	1-835252-3/4	1-835252-3/4	1-835198-1
11 Cover (Short Pump)	1-810162	1-810162	1-810162	1-810162
12 O Ring	1-810146	1-810146	1-810146	1-810146
13 Cord Assembly	1-835220	1-835220	1-835220	1-835220
14 Flanged Elbow	1-845146	1-845146	1-845146	2-845146
16 Hose Clear 1 1/2"	—	—	1-846366	1-846366
17 Valve Assembly	1-830133	1-830133	1-830134	1-830134
19 Hose	2-846451	2-846451	—	—
20 Bulkhead Fitting A	2-845132	2-845132	1-845132	1-845132
21 O-Ring	2-845142	2-845142	1-845142	1-845142
22 Bolt Assembly	1-847155	1-847155	1-847155	1-847155
23 Closing Ring Galv.	1-810472	1-810472	—	—
24 Closing Ring S.S.	—	—	1-810470	1-810470
25 Cover, Galv. w/Gasket	1-810394	1-810394	—	—
26 Domed S.S. Cover w/Gasket	—	—	1-810436	1-810436
27 Gasket for Covers	1-846154	1-846154	1-846154	1-846154
28 Straight Bulkhead Fitting	1-845134	1-845134	1-845134	1-845134
29 Bulkhead Fitting C	1-845141	1-845141	—	—
30 Motor Bolts	3-847343	3-847343	—	—
31 Slip Bulkhead Assy w/o air relief	—	—	1-845052	1-845052
33 Clamp	6-846541	6-846541	4-846541	4-846541
34 Reinforced Corrugated Hose 1 1/2"	1-846391	1-846389	1-846391	1-846389
35 O Ring	—	—	2-810073	2-810073
36 Clamp S.S. 6"	1-846512	1-846512	1-846512	1-846512
37 Wire frame (coated)	1-820101 4 Tier	1-820102 6 Tier	1-820101 4 Tier	1-820102 6 Tier
38 Bag	1-820110 12x41	1-820140 12x61	1-820110 12x41	1-820140 12x61
39 Rope Ties	3-ties 20012	5-ties 20013	3-ties 20012	5-ties 20013
40 Tank (DE) Units	1-810265 12 Gal. Galv.	1-810264 16 Gal. Galv.	1-810275 SS	1-810281 SS
41 Motor Bolts for Base	—	—	4-847074	4-847074
42 Motor Base	—	—	1-810097	1-810092
43 Gauge *	1-846010	1-846010	1-846010	1-846010
44 Hose - 6 Ft. *	2-846380	2-846380	2-846380	2-846380
45-46 Air Relief Kit	—	—	1-810084	1-810084
47 Bulkhead Nut 1 1/2"	—	—	1-840011	1-840011
48 Bag, Frame Complete Kit	1-820092	1-820094	1-820092	1-820094
* Adapter Extension *	1-845131	1-845131	1-845131	1-845131

* Not Shown on Dwg.

INSTALLATION INSTRUCTIONS FOR MODELS: DE 1200 PHG, 1600 PHG, 2200 SB, 2600 SB

DE AMOUNTS Models 1200 and 2200 require 1 lb. of diatomite, which is equal to 1½ one pound coffee cans.

Models 1600 and 2600 require 1½ lbs. of diatomite, which is equal to 2 one pound coffee cans.

INSTALLATION INSTRUCTIONS FOR DE 1200/1600 PHG

COVER ASSEMBLY Assemble bulkheads, o-rings, and cover as illustrated. Make sure straight fitting is on the left. The elbow goes on the right near black knob of valve.

PUMP-VALVE ASSEMBLY Line up threads on valve and screw into pump until snug-7 turns, **SHOULD SHOW 3-4 THREADS NOT USED**. Line up clear hoses on valve and clamp before working on motor bolts. Bolt motor to cover using three sealing bolts. Nylon seal goes on the underside of the cover, and the washer and nut go on top of the motor base. Tighten until nylon flattens.

INTERNAL ASSEMBLY Thread an elbow into the opening on the bag assembly. Do not **OVERTIGHTEN** and use teflon tape. Connect the internal hose to the elbow and

clamp it using a stainless clamp. The internal hose is the shortest flexible hose you received. Place the bag assembly in the tank with the elbow at the bottom and the hose running up the side. Put a stainless clamp on the free end of the internal hose.

FINAL ASSEMBLY Put tank about 18 inches from pool skimmer on level ground. Remove the closing ring from the box. Thread the adapter and strainer into the pump. **DO NOT OVERTIGHTEN or CROSS THREADS**. Use teflon tape. Rest Powerhead (pump-motor-cover) on tank with underside fitting accessible. Connect internal hose to the straight fitting under the cover and tighten clamp. Center powerhead on tank, install closing ring. Make sure closing ring engages tank cover and tank ring, tighten bolt assembly, tapping lightly around edges.

INSTALLATION INSTRUCTIONS FOR DE 2200/2600 SB

COVER ASSEMBLY The valve is already attached to the cover. Snap the air relief screen into its socket in the elbow.

PUMP ASSEMBLY Thread elbow into the side outlet of the pump. Hand tighten only and use teflon tape. Install the strainer using adapter extension to pump cover inlet, hand tight, using teflon tape.

INTERNAL ASSEMBLY Refer to internal assembly for PHG series.

FINAL ASSEMBLY Put base on level place, about 18" from pool skimmer. Place tank into base for 2600 model, and tank next to motor base on 2200 model. Rest tank top cover on tank and attach internal hose to the straight fitting under the cover, tighten clamp. Center cover on tank, install closing ring. Make sure closing ring engages tank cover and tank rim, tighten bolt assembly, tapping lightly

around edges. Mount motor and pump on base as noted in picture. Turn the tank so the valve inlet port points towards discharge elbow on pump. Clamp clear hose connecting pump to valve, cut excess off if necessary.

GENERAL FINAL SET UP FOR BOTH SERIES

Heat 6 ft. hose cuff in hot water before putting it to unit and tightening clamp. Clamp the hose between pool skimmer and pump inlet strainer. Re-position filter to eliminate any droops in 6 foot hose.

Thread pressure gauge carefully into tapped hole on valve. Do not cross threads, use teflon tape. Tighten only hand tight-4 turns is sufficient. Clamp 6 ft. hose between valve "return" and pool return.

IF THIS FILTER IS USED IN CONJUNCTION WITH A HEATER, THE HEATER MUST BE TURNED OFF 5 MINUTES PRIOR TO BACKWASH OR FILTER SHUTOFF.

OPERATING INSTRUCTIONS DE

Start the pump with the valve in the "Filter" position.

Either dump the diatomite directly into the skimmer, or make a slurry of it by adding water and pour this into the skimmer.

NOTE: Diatomite filters should not be operated without diatomite any longer than it takes to put in the diatomite.

TO CLEAN YOUR FILTER When return flow has slowed down about 50% it is time to backwash. Put your valve in the backwash position.

When waste water runs clean, approximately 1 minute, return the valve to filter position.

Put in proper amount of diatomite as in steps 2 and 3 in Operating Instructions.

END OF SEASON HINTS

Take out your wire frame bag unit. Spray it clean with a garden hose and let it dry in a dry area.

This unit can be purchased assembled already when the need arises, or per part also.

Use teflon on all threaded parts on assembly.

Diatomite
A FINE POND LILY COMPANY

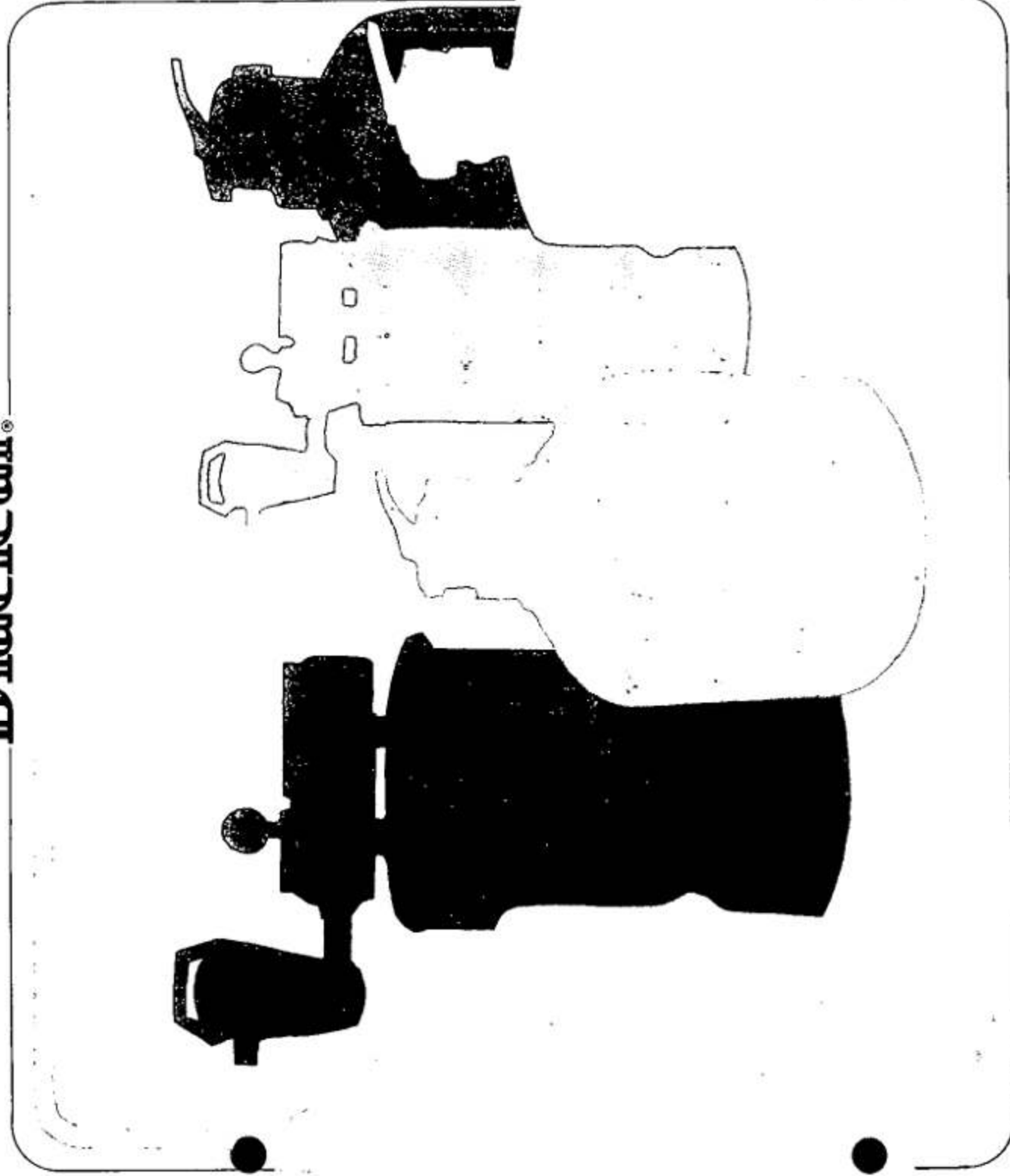
1000 Sherman Ave., Hamden, Ct. 06514
(203) 248-6375

GENERAL INFORMATION

and Helpful Hints

for Filter Pool Operation and Maintenance

Diaclear®



FILTER OPERATION - General Do's and Don'ts

Do not connect garden hoses to filter or pool piping. High pressures will damage filters.

Do not run pump dry. Always make sure water is in pump before energizing.

Do not operate valves dry.

Do keep silicone or bearing grease on MTR shaft. Prevents rusting.

Never operate filter in "BACKWASH" mode with vacuum hose connected.

Backwash when pressure gauge reads 5 psi higher than when started up clean. Pull valve rod out should come out 1/2 way only. Do no turn handle.

Make sure motor is connected to grounded outlet. Use no extension cords.

Eliminate all leaks on the suction side of pump. If you see persistent air bubbles in your pool return, you have a leak.

VALVE OPERATION Each section has information pertinent to valve used on that filter.

Hayward valve has functions listed on valve, as has Diaclear valves.

START-UP - 9 Steps to Open Your Pool Season

It is important these steps be followed in exact order

1. Be sure you have all needed equipment and chemicals on hand before you begin. If you are not sure of the amounts of chemicals needed check with your dealer.
2. Inspect pool for any damage caused by weather. Have repair or touch-up work completed.
3. Be sure pool is thoroughly clean. Remove debris with leaf catcher.
4. Check P.H. level (red side of test kit). Adjust to proper level which is 7.2-7.6.
5. Shock pool. Your Dealer will recommend brand and quantity needed.
6. Add algaecide according to pool size.
7. Restore filter from winterized mode to operational mode and start filter.

8. Vacuum pool thoroughly.

9. Add stabilizer, broadcasting evenly over pool.

Note: Check chlorine and P.H. regularly during season and maintain in proper range.

These simple procedures, along with normal maintenance, will help ensure continued enjoyment of your pool.

Filters equipped with strainers: Fill strainer with water until overflowing. Put valve in backwash position. Replace strainer cover.

Filters without strainers: Use garden hose to force water into pump inlet through skimmer. Wait until water discharges from pool return. Put aside garden hose. Put valve in backwash.

Turn on motor. U.L. filters have own switch located on bottom rear of motor enclosure. All others should have customer supplied switched outlet.

Backwash until fines in new sand have been washed out. Observe waste water until it runs clear. Then put valve in filter position.

Failure to prime: Caused by air in suction line, and in pump. Remedy by leaving pump on, forcing more water from garden hose into suction line. Self-priming models normally require at least 2 minutes to prime. Gross leaks on suction side of pump will prevent priming.

VACUUMING Always vacuum in Filter, Waste, or Direct-to-Waste positions.

NEVER vacuum in backwash position.

When suction on vacuum hose is reduced, filter needs backwashing. Immediately disconnect vacuum from skimmer. Run pump in filter mode for 1/2 minute. Backwash. Return to filter. Reconnect vacuum hose.

Failure to observe above sequence can permanently damage filter, voiding warranty.

Hint: Fill vacuum hose from pool return before connecting to skimmer. This avoids losing prime.

FILTERING Pump and motor are designed for continuous operation. Intermittent use for economy is O.K., but you should realize that off periods afford no circulation of chemicals, and night-time shut-downs allow moisture to condense on the motor, which might shorten its life.

The secret of good filtration is fast turnover of your total gallonage. This is prevented by clogged skimmers or dirty filter bed. Keep your skimmer clean and backwash promptly.

IF THIS FILTER IS USED IN CONJUNCTION WITH A HEATER, THE HEATER MUST BE TURNED OFF 5 MINUTES PRIOR TO BACKWASH OR FILTER SHUTOFF.

POOL CHEMISTRY - Principle

Only dirt and algae can be seen. Bacteria are too small to be visible. Although your filter removes visible dirt, and water looks clear, bacteria will be present until killed.

Chlorination is the most common and practical method of sterilization. Chlorine is a powerful oxidizing agent which will burn off organic matter in water by combining it with oxygen. Chlorine is consumed in the process. At first, the process is rapid, then tapers off to leave a chlorine residual. This will kill germs and bacteria on contact. This is your one sure means for keeping your pool safe.

Maintaining Chlorine Residual Adequate

chlorination not only keeps your pool safe, it also makes your filter more efficient by burning off gummy algae and body oils lodged in the sand bed.

Use a good test kit daily, and add chemicals according to their manufacturer's instructions. Changes in weather and bather load can upset conditions. Keep residual between .2 and .6 ppm.

pH Control Chlorine is most effective in slightly alkaline water which has a pH between 7.2 and 7.8. Acid water (under 7.0) will cause eyes to sting, chlorine to smell strongly and dissipate rapidly, and will corrode your filter. Correct by adding "pH plus."

Alkaline water (over 8.0) also makes chlorine less effective and eyes sting. Algae proliferate in warm, alkaline water. Correct by adding "pH minus."

Always add chemicals on an "add and test" basis. Allow time for dispersion in the water.

CAUTION Keep chlorine in tightly sealed container in dry place, away from SS tanks.

Add chemicals to pool directly, or if automatic feeder is used, between filter and pool on return side of filter.

All metals, including the highest grade of stainless steel, type 304, used in Diaclear filters, is attacked quickly by concentrated solutions of chlorine in the presence of air. The same is true of highly acid or highly alkaline water. Turning off a filter after the addition of chemicals can allow concentrated solutions to stand within the filter tank, and corrode it quickly.

Filters and pumps should never be stored in a confined area together with chemicals and chlorine. Fumes will quickly attack metal surfaces, including stainless steel.

Corrosion from either condition above is certain, is easily identified, and voids all warranties.

MAINTENANCE - 10 Steps to Close the Pool Season

It is important these steps be followed in exact order

1. Remove all debris with leaf catcher.
 2. Lower water level approximately 2 ft. before adjusting P.H. level to 7.2-7.6.
 3. Add algaecide according to size of your pool.
 4. Shock pool. Check pool size requirements carefully.
 5. Remove ladders, underwater lights, handrails, etc.
 6. Drain filter tank, pipe lines, wall skimmer and pump. Winterize according to manufacturers manual.*
 7. Block return fittings.*
 8. Fill pump, pipe lines and wall skimmer with anti-freeze.
 9. Tie equalizer at pool center and place chemical kit in pool.
 10. Cover the pool. Check to see that all points are securely fastened, able to withstand winter weather.
- *these steps relate primarily to in ground pools.

Portable Filters At end of season, remove sand, flush with water to remove any caked material, and store sand in plastic bags in a carton.

Dry tank and store in a dry place. Sand and paint rusty areas with rust-inhibiting paint. **Coat shaft of motor with silicone grease during storage.**

Permanent Filters Treat the sand bed with a commercial cleaner available from a pool store.

Remove drain plug from tank bottom. Store it and its O-ring in a safe place over the winter. When replacing this plug, make sure groove for O-ring and threads are free of sand.

All Filters Clean and wax outside of tank periodically to enhance appearance.

Check all clamps twice each season for tightness. Lubricate any exposed threads to assure they can be dis-assembled should service be required.

All Motors and Pumps Motors have oil points, located at either end of motor directly above shaft. Put a few drops of light oil in each place once each season.

Off-season, motors should be stored indoors in a warm, dry place. Put a few drops of oil on the motor shaft where it enters pump.

Motors left outdoors should not be tightly wrapped with plastic, as moisture will be trapped.

On permanent installations, motors can usually be separated from pumps by removing 4 bolts. Inspect pump impeller for debris. When replacing motor, buy a new gasket. Align the slot in the diffuser with the projection in the pump.

Remove and store pressure gauges.

Portable Filter Power Heads Store as one unit in warm, dry place.

REPAIR - Permanent Installations

Go to your dealer from whom you purchased the filter.

We take phone calls at our service department between 9 A.M. and 4 P.M., Monday through Friday. Repairs by the individual owner may be done if he has good tools and mechanical aptitude.

Portable Filters Your dealer normally has the tools, experience and parts to repair your filter and pump. We recommend you go to him.

We take phone calls (248-6375 Hot Line) and letters addressed to our Service Department. Call only in emergencies, between 9 A.M. and 4 P.M., Monday through Friday. Diaclear will repair filters delivered prepaid to our factory.

Always unplug motor, work in uncluttered place and keep parts dust free. Make notes on the way parts go together to simplify re-assembly.

Get special wrench (Part #50902) to remove pump cover. All other assembly requires common hand tools.

Identify parts and the order of their assembly by frequent reference to the exploded diagram.

These hints will help:

The impeller unscrews clockwise and screws on counter-clockwise.

The motor shaft can be turned by removing the cap from the shaft end opposite the pump, using a thin, flat screw-driver to pry, and exposing the shaft which is slotted.

The impeller seal is removed and installed by hand. The pump seal must be driven out and re-installed by tapping on the brass body only, with a socket, end of pipe, or similar cylinder. Keep seals clean and unscratched.

The large O-ring sealing the pump and pump cover is replaced by stretching it over the lip that protrudes from the pump cover, not the pump.

To repair slide valve leaking from shaft at handle end, tap out cross-pin using a brad, remove 3 fasteners, and end cap. Replace two O-rings.

TROUBLE-SHOOTING

Low Flow: Check the gauge. If high, you have pluggage in pump, valve, sand bed, underdrain, internal pipe, or return line. If low, you have pluggage in surface skimmer, suction side piping, or strainer, or you have air leak in these places.

Dirt Returning to Pool: Make sure it is particles and not just colored water, by tying a sock over the pool return for 30 minutes. If the sock contains sand, and you just installed new sand, you probably did not thoroughly wash out fines by backwashing. Perhaps you used the wrong grade of sand. If neither of above, or if dirt includes large particles of leaves, bugs, etc., you have a by-pass: valve seals worn, air relief screen dislodged, internal piping disconnected, underdrain broken.

Sand Being Backwashed Out of Filter: Too much sand installed? Fines from new sand? If neither, it is possible your pump is oversized for the filter, and the velocity of the water is too great. This is particularly apt to happen if the backwash line is down-grade from the filter. Install a throttling valve on the backwash line and gradually close it until no more sand escapes.

PARTS ORDERING INFORMATION Phone and mail orders are subject to prevailing handling and shipping rates in effect at the time of shipment, usually \$3.00 to \$5.00.

Tell us all the information listed on the inside of your manual, and the part number, description and quantity.

Ship to address: We must have a complete address including zip code, Rural route or box number is not enough.

LIMITED WARRANTY To all original purchasers of its products, Diaclear, Inc., 1000 Sherman Avenue, Hamden, Connecticut, warrants its products free from defects in materials and workmanship for a period of one year from the date of purchase.

Products which fail or become defective during the warranty period, except as a result of freezing, accident, negligence, improper installation, use, or care, shall be repaired or replaced at our option without charge, within 90 days of the receipt of defective product, barring unforeseen delays.

Stainless Steel Tanks Warranty: Except for damage caused by negligence in the use of chemicals and chlorine, or inadvertent backwashing or extended periods, or by improper assembly or repair, such acts having been forewarned against in previous information, stainless steel tanks which fail or become defective during the first 10 years of use shall be repaired or replaced at our option free of charge for the first 5 years, for 50% of the then current replacement cost in the 6th year, 60% in the 7th year, 70% in the 8th year, 80% in the 9th year, 90% in the 10th year, and 100% thereafter.

To obtain warranty replacements or repair, defective products must be returned, transportation paid, to the place of purchase, or to the nearest authorized Diaclear dealer. Diaclear dealer locations may be identified by calling or writing us at the address listed in previous information.

Diaclear, Inc. shall not be responsible for cartage, removal and/or reinstallation labor or any other such costs incurred in obtaining warranty replacements.

Pump/motor combinations not manufactured by Diaclear that are supplied by dealers for use with Diaclear filters are warranted by the pump manufacturer, not by Diaclear. Contact them for their nearest repair station.

This warranty is effective for all products manufactured after January 1, 1976, and supercedes all warranties printed elsewhere for such products.



A FINE POND LILY COMPANY

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