

# SWIMPURE™

## NATURAL POOL PURIFYING SYSTEM FOR SAND FILTERS

Your Hayward SwimPure™ Natural Pool Purifying System has established a new horizon in swimming pool water purification. The system is designed to fit into all Hayward top mount sand filters using SP0704, SP071113 or S0714T valve. It will release minerals into the water to make your pool water clean and healthy.

### SAFETY INSTRUCTIONS

The SwimPure™ Natural Pool Purifying System featuring Nature<sup>2</sup>® can be used with every type of chemical treatment available except bromine and bromide based chemicals<sup>1</sup>, biguanide products<sup>2</sup> (e.g. Baquacil\* or Softswim\*\*), and copper based algicides<sup>3</sup>.

1. Bromine/Bromide will reduce the effectiveness of the purifying system.
2. Metals (e.g. silver) combine with biguanides to form cloudy water.
3. Copper based algicides may cause staining of pool walls.

\* A Trademark of Zeneca, Inc.

\*\* A Trademark of Biolab, Inc.

**Caution: Model N2SABG is rated for above-ground pools from 5,000 gallons to 25,000 gallons. Model N2SIG is rated for inground pools from 10,000 gallons to 35,000 gallons. Using a SwimPure system on an undersized pool may cause staining of the pool.**

### 1. INSTALL THE SYSTEM

#### To install New Filter Factory-Equipped with SwimPure:

- A. Follow the installation instructions packaged with your sand filter to install the filter system. After filling the filter with sand and removing the sand shield (step 3), proceed with the following instructions:
- B. Remove center pipe extension from the center pipe by pulling the center pipe extension upward with a twisting motion.
- C. Properly place the purifying system onto the center pipe. The side showing "SwimPure by HAYWARD" must face up as shown in **Installation (3)**.
- D. Proceed with steps 4, 5, 6 and 7 in the sand filter installation instructions.

#### To Install SwimPure Retrofit Kit to New Filter:

- A. Follow the installation instructions packaged with your sand filter to install the filter system. After filling the filter with sand and removing the sand shield (step 3), proceed with the following instructions:
- B. Cut the center pipe, following these steps:
  - 1) Note the filter control valve model number indicated on the label on the top of the valve. Model number will be either SP0714, SP071113, or SP0704.

- 2) Place the cutter handle through the appropriate hole in the cutter body, as shown in **Illustration (1)**. For the SP0714T valve, use the top hole. For SP071113 valve or SP0704 valve, use the middle hole.

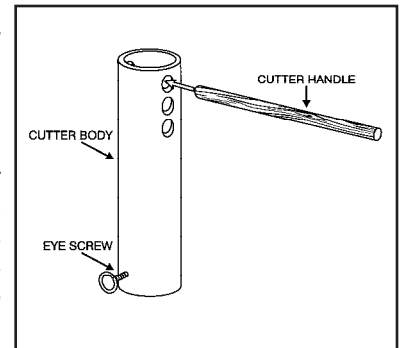


Illustration 1

- 3) Slip the cutter over the center pipe until the cutter handle rests on the top of the filter, as shown in **Illustration (2)**. Now cut the center pipe by:

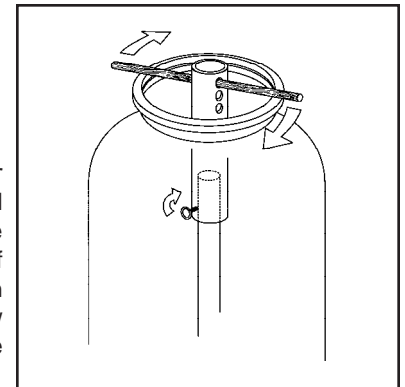


Illustration 2

- a) Turning the eyescrew in a clockwise direction until the screw point lightly contacts the center pipe.
- b) Turning the cutter in a clockwise direction. Keep cutter handle firmly rested on top of the filter during turning. After every two revolutions of the cutter, turn the eyescrew an additional one-quarter turn in the clockwise direction.
- c) Repeat Step b) until the center pipe is cut.
- d) Remove the cutter.

- C. Properly place the purifying system onto the center pipe. The side showing "Swim Pure by HAYWARD" must face up, as shown in **Illustration (3)**.

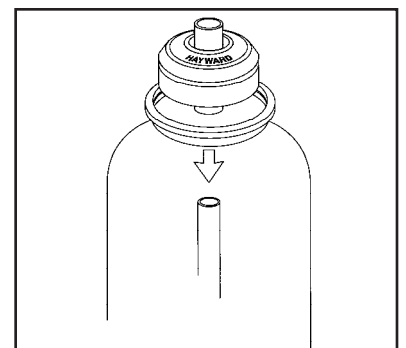


Illustration 3

- D. Proceed with steps 4, 5, 6 and 7 in the sand filter installation instructions.

## To Install SwimPure Retrofit Kit to Existing Filter:

- A. Shut off the pump.
- B. If the filter is located below the water level, close valves (or block off suction and discharge lines) to prevent backflow of water from the pool.
- C. Unscrew and remove drain plug and allow water to drain from the filter.
- D. Remove filter control valve clamp.
- E. Remove filter control valve. Note: Hoses can remain attached to the valve.
- F. Cut the center pipe, following these steps:

1) Note the filter control valve model number indicated on the label on the top of the valve. Model number will be either SP0714T, SP071113, or SP0704.

- 2) Place the cutter handle through the appropriate hole in the cutter body, as shown in **Illustration (1)**. For the SP0714T valve, use the top hole. For the SP071113 valve, use the middle hole. For SP0704 valve only, note the last three places of the serial number indicated on the label on top of the valve. SP0704 valves with serial numbers ending in numbers 29 or higher or G28, H28, J28, K28, L28, M28, use the middle hole. For other SP0704 valves, use the bottom hole.

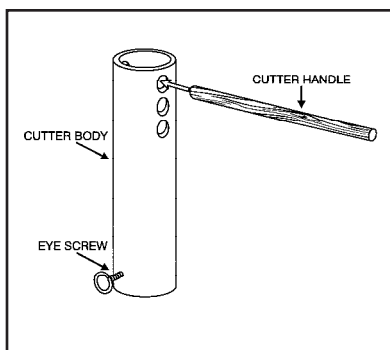


Illustration 1

3) Slip the cutter over the center pipe until the cutter handle rests on the top of the filter, as shown in **Illustration (2)**. Now, cut the center pipe by:

a) Turning the eyescrew in a clockwise direction until the screw lightly contacts the center pipe.

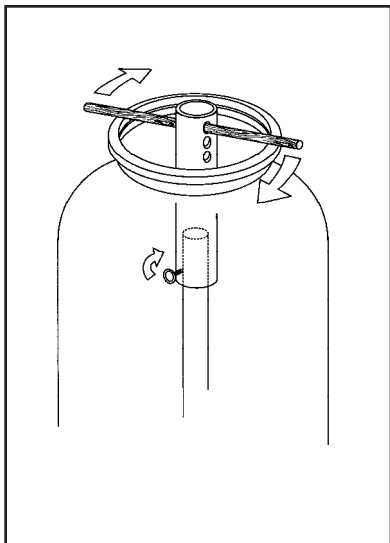


Illustration 2

b) Turning the cutter in a clockwise direction. Keep the cutter handle firmly rested on top of the filter during turning. After every two revolutions of the cutter, turn the eyescrew an additional one-quarter turn in the clockwise direction.

- c) Repeat **Step b)** until the center pipe is cut.
- d) Remove the cutter.

G. Properly place the new purifying system onto the center pipe with the side showing "SwimPure by HAYWARD" facing up, as shown in **Illustration (3)**.

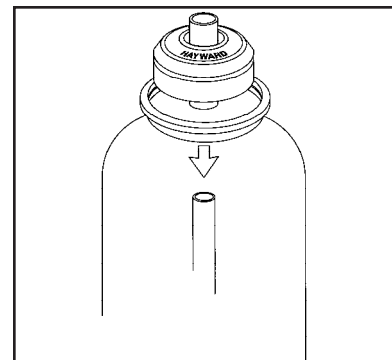


Illustration 3

- H. Wipe the filter flange clean.
- I. Insert the filter control valve (with valve/tank O-ring) into the tank neck, ensuring that the bottom part of the valve slips over the top tube of the SwimPure system.
- J. Reinstall filter control valve clamp, following these steps:
  - 1) Loosely pre-assemble both halves of the clamp with one screw and one nut, turning the nut 2 or 3 turns.
  - 2) Install clamp around tank and valve flange, and assemble second screw and nut.
  - 3) Tighten both sides of clamp alternately and evenly. Use a proper-sized large screwdriver and tighten firmly to obtain a good seal.
  - 4) Be sure to place vinyl protector caps over ends of screws.

## To Install a Replacement SwimPure System:

- A. Shut off the pump.
- B. If the filter is located below the water level, close valves (or block off suction and discharge lines) to prevent backflow of water from the pool.
- C. Unscrew and remove drain plug and allow water to drain from the filter.
- D. Remove filter control valve clamp.
- E. Remove filter control valve. Note: Hoses can remain attached to the valve.
- F. Remove old purifying system by pulling upward on the system. A slight twisting motion may ease its removal.
- G. Properly place new purifying system onto the center pipe with the side showing "SwimPure by HAYWARD" facing up.
- H. Wipe the filter flange clean.
- I. Insert the filter control valve (with valve/tank O-ring) into the tank neck, ensuring that the bottom part of the valve slips over the top tube of the SwimPure system.

- J. Reinstall filter control valve clamp, following these steps:
- K. Loosely pre-assemble both halves of the clamp with one screw and one nut, turning the nut 2 or 3 turns.
- L. Install clamp around tank and valve flange, and assemble second screw and nut.
- M. Tighten both sides of clamp alternately and evenly. Use a proper-sized large screwdriver and tighten firmly to obtain a good seal.
- N. Be sure to place vinyl protector caps over ends of screws.

**Important: Your SwimPure Retrofit Kit comes with a center pipe extension. It is provided should you decide to operate your sand filter without the SwimPure. Please keep it in a safe place. If later you decide to operate your sand filter without the SwimPure, simply take out the SwimPure system from your filter and put the center pipe extension on top of the center pipe before you install the valve.**

**NOTE: If your filter has an SP0704 valve with a serial number ending in numbers 29 or higher, or 628, H28, J28, K28, L28, or M28, you can use the center pipe extension “as-is.” For other SP0704 valves, please cut 1” off of the top of the center pipe extension (narrow end).**

## 2. BALANCE THE POOL WATER

All swimming pools require properly balanced water. Refer to the chart below for required chemical levels. Consult your dealer for specific water balance instructions.

**Important:** The pool water must be balanced before using the purifying system. Failure to balance the pool water may cause staining of the pool and/or may shorten the SwimPure system’s useful life.

- A. Depress Vari-Flo control valve handle and rotate to Recirculate position.
- B. Prime and start the pump according to pump instructions allowing the filter tank to fill with water. **CAUTION: All suction and discharge valves must be open when starting the pump. Failure to do so could cause severe personal injury and/or property damage.**
- C. Operate the filter in the “Recirculate” position while chemical additions are made until the water is balanced. In this position water is recirculated through the pool, bypassing the filter and SwimPure system.
- D. After water is balanced, turn off pump and set Vari-Flo control valve to Filter position.

pH	7.4 - 7.8
Calcium Hardness	200 - 400 ppm
Total Alkalinity	80 - 150 ppm

## 3. RECORD INSTALLATION DATE

**Important: Record the installation date of your SwimPure system on the label provided with your SwimPure system. Make sure the label is placed on the body of your filter. Replace the SwimPure unit after six months.**

## 4. SUPER-OXIDIZE OR “SHOCK” THE POOL

On the first day, super-oxidize the water with 1 lb. dry, or 1 gallon of liquid chlorine, per 10,000 gallons of water to burn off contaminants and to activate the purifying system.

## 5. ACTIVATE THE SYSTEM

- A. Run the pump and filter system 24 hours per day for 4 days  
- OR:
- B. Run the pump and filter system 6 hours per day for 14 days.

**NOTE: Maintain 1-2 ppm residual chlorine level throughout the 4 day or 14 day activation period.**

- 6. Let the chlorine residual drop to 0.4-0.6 ppm when the system activation period is complete.

## MAINTENANCE

- 1. Follow the maintenance schedule below:

How Often:	What to do:
Every Day	Run pump and operate filter system at least 6 hours daily.
Once a Week	Balance pH and Total Alkalinity.
As Needed	Check chlorine residual: add chlorine to maintain 0.4-0.6 ppm residual.
As Needed	If the water starts to look hazy, super-chlorinate (“shock”) using 1 lb. of chlorine granules or 1 lb. of non-chlorine oxidizer per 10,000 gallons of water. Add cyanuric acid to maintain 50 ppm. Please seek to reduce your chlorine level by 50% to 80% versus the chlorine levels you would maintain without the SwimPure purifying system.

## 2. Replacement Interval

### In frost-belt regions (3-6 month season):

Discard your used system and install a new system when you open your pool in the spring.

### In sun-belt regions (7-12 month pool season):

Replace the system every 6 months whether or not you plan to use the pool for swimming.

**Important: Your SwimPure replacement unit comes with a label. Record the installation date of the unit on the label and place the label on the body of your filter. Replace the SwimPure unit after six months.**

# Troubleshooting Guide

Problem	What To Look For	Treatment	
<b>Cloudy Water</b>	Poor filtration	Slow filter turnover rates.	<ol style="list-style-type: none"> <li>1. Backwash &amp; clean filter.</li> <li>2. Run filter for 24 hours.</li> <li>3. Increase run time per day.</li> </ol>
	Algae growth	Hazy pool water; may have slight green appearance	Superchlorinate water (with dealer's guidance) and brush pool walls. See treatment for green algae below.
	Unbalanced water	<ol style="list-style-type: none"> <li>1. High hardness</li> <li>2. High TDS (Total Dissolved Solids)</li> <li>3. High pH</li> <li>4. High Total Alkalinity</li> </ol>	Balance the pool water.
<b>Algae</b> Algae may be caused by insufficient levels of oxidizer and/or inadequate water circulation	Green algae	Pea green color; attaches to pool walls; sometimes colors the entire body of water.	<ol style="list-style-type: none"> <li>1. Check pH and adjust if necessary.</li> <li>2. Shock pool with chlorine.</li> <li>3. Brush surfaces.</li> <li>4. Repeat steps 1-3 until algae is gone.</li> <li>5. Backwash filter.</li> </ol>
	Black algae	Black spots on pool walls	<ol style="list-style-type: none"> <li>1. Brush affected areas.</li> <li>2. Shock pool with chlorine.</li> <li>3. Add algaecide.</li> <li>4. Vacuum pool.</li> </ol>
	Mustard algae	Yellow or brown film on steps or walls.	<ol style="list-style-type: none"> <li>5. Repeat steps 1-4 until algae is gone.</li> <li>6. Backwash filter.</li> </ol>

**NOTES:** Regular algaecide treatments are recommended for outdoor pools that experience persistent algae problems. Do not use algae treatments containing either copper or sodium bromide.

If you need further assistance, please call 1-800-910-4378.

Please visit our website at [www.haywardnet.com](http://www.haywardnet.com)



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*Natural Mineral Purifiers  
for Pools and Spas*