



**HAYWARD MODEL SP1084 AUTO-SKIM  
AUTOMATIC SURFACE SKIMMER  
INSTALLATION AND OPERATING INSTRUCTIONS**

The Auto-Skim is a rugged, versatile automatic skimmer for residential or commercial installations. The illustrations below show the standard SP1084 (#1), the SP1082GV Skimmer/Main Drain Valve Assembly (related to #2), and the SP1084 with SP1078 Equalizer Valve and SP1082GV Float Valve Assembly (#3). Consult inside pages for specific installation details and dimensions.

- BASIC UNIT**
  - FLOW ADJUSTMENT**—For full flow, move the Flow Control Slide Plate to full open. To adjust flow, move Slide Plate to desired position over pump outlet.
  - VACUUM**—Remove cover and basket. Place Valve Lever straight up. Fill vacuum hose with water and insert over float adapter. Or use optional Skim-Vac over basket vacuum plate.
- SKIMMER WITH MAIN DRAIN CONNECTION**
  - FULL SKIM**—Place Valve Lever in straight-up position. Open Slide Plate.
  - FULL MAIN DRAIN (SWEEP)**—Place Valve Lever down. Close Slide Plate.
- SP1084PVE-SKIMMER WITH EQUALIZER VALVE AND FLOAT VALVE ASSEMBLY**
  - EQUALIZER**—Model SP1078 Equalizer Check Valve Assembly installs over front port, and is used in conjunction with the SP1082GV Float Valve Assembly. In water level drops below skimmer opening, or if skimmer float is obstructed, the float will automatically keep shut and the equalizer valve will open. This diverts all flow to the pump from the equalizer line and prevents airlock in the pump. When the pump is shut off, and the water level condition is corrected, the float will rise and the equalizer valve will close, allowing normal skimming operation when the pump is restarted.
  - VACUUM**—Select one convenient skimmer and remove cover, basket and float valve assembly. Screw hose adapter into pump outlet. Fill vacuum hose with water and insert over float adapter. Throttle down flow from other skimmer(s) until desired suction is obtained through vacuum.

NOTE: When two or more skimmers are plumbed into a common suction line, the flow is balanced through the skimmers by adjusting the Flow Control Slide Plate at each unit.

**SP1084  
DIMENSIONS**

**INSTALLATION INSTRUCTIONS**

- EQUALIZER VALVE ASSEMBLY SP1078**
  - Remove screws, stop plug if installed and original side plate from bottom of SP1082 skimmer.
  - Insert 1/2" Ring in SP1082GV Valve Housing and screw in bottom of skimmer. Push 1/2" outer MAIN DRAIN (to port) Body, Foot 1/2" over SP1082 PORT (rear connection).
  - Insert front Retaining Sleeve with washer, into Valve Housing and screw down tightly into insert in skimmer body.
  - Insert front Retaining Sleeve with washer through SP1082GV Float Control Side Plate and into Valve Housing. Screw down front stop ring in skimmer body. Tighten front retaining screws.
- SKIMMER DRAIN FLOAT VALVE ASSEMBLY SP1082GV**
  - Remove screws, stop plug if installed and Flow Control Side Plate (if installed) from bottom of basic skimmer.
  - Attach Flow Control Trimmer Plate to float assembly, using screw provided.
  - Place Float Valve Assembly, with O-ring into skimmer. Adjust Flow Control Trimmer Plate as required.

**INSTALLATION INSTRUCTIONS**

**WOOD PANEL**

- Drill and cut out wall panel approximately 1/8" larger than outside dimensions of skimmer face (NOT top panel).
- Insert skimmer into gasket cut out from the rear and fasten the mounting flange against the rear of the panel. Use 1/2" stainless screws. Do not make face of skimmer flush with inside of the panel. Fasten the skimmer to the rear of the wood panel by through the mounting flange holes.
- Place gasket on skimmer face, making sure holes in gasket align with holes in skimmer face. (A very light application of adhesive cement will assist in holding gasket in place.)
- Install vinyl liner.
- Align second gasket and face plate and fasten tightly to skimmer face with hardware (12) 1/2" screws. Place liner through face plate holes one at a time prior to installing screws. Screws secure through 1. Face Plate, 2. Gasket, 3. Liner, 4. Wall Panel, 5. Gasket, 6. into Skimmer Face.
- Cut out vinyl liner pool, cut liner along inside edges of face plate.

**INSTRUCTIONS FOR OTHER THAN WOOD PANEL WITH VINYL LINER**

- Drill and cut out wall panel section per dimensions.
- Place gasket on skimmer face, making sure holes in gasket align with holes in skimmer face. (A very light application of adhesive cement will assist in holding gasket in place.)
- Align skimmer face and gasket with drilled panel holes and fasten to wall panel at top center and bottom center with two set head screwing screws.
- If vinyl liner pool, install liner before proceeding with Step 5.
- Align second gasket and face plate and fasten tightly to skimmer face with hardware (12) 1/2" screws. Place liner through face plate holes one at a time prior to installing screws. Screws secure through 1. Face Plate, 2. Gasket, 3. Liner, 4. Wall Panel, 5. Gasket, 6. into Skimmer Face.
- If vinyl liner pool, cut out liner along inside edges of face plate.

**LOCATION OF SKIMMERS**

To obtain the most effective skimming action over the entire pool surface, locate the skimmers relative to the prevailing wind and drift, shape of pool and water circulation pattern. The use of directional inlet fittings will ensure the proper circulation pattern.

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**NESPA ENTERPRISES INC.**  
2800 Richter Ave. Ste. C Oroville, CA 95966  
Office: (530) 534-9910 Fax: (530) 534-9915  
E-Mail: [jim@tiledspas.com](mailto:jim@tiledspas.com) Web Site: [www.tiledspas.com](http://www.tiledspas.com)



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