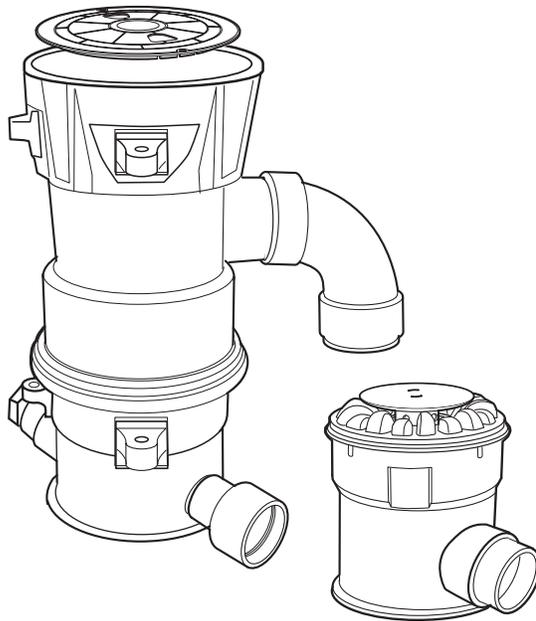


INSTALLATION AND MAINTENANCE GUIDE



Jandy® **Leaf-B-Gone™**

IMPORTANT INFORMATION

SERIAL NUMBER

⚠ WARNING

FOR YOUR SAFETY - This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exist. In the event no such state or local requirement exists, the installer or maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation will void the warranty.

Important Information

For customer service or support:

- For on-line support: www.zodiacpoolsystems.com
- To contact us:

US and Canada

Customer Service

2620 Commerce Way

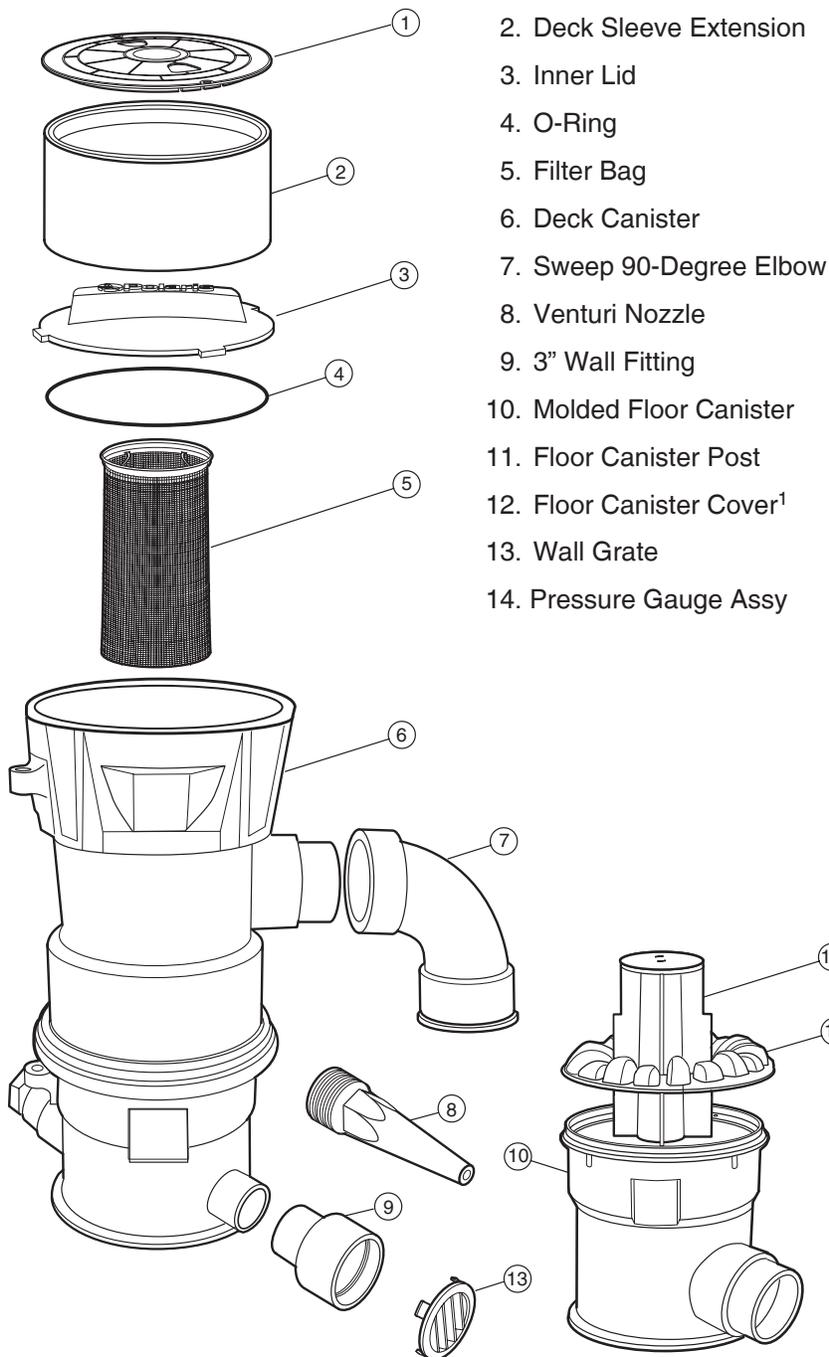
Vista, CA 92081-8438

1-800-822-7933

Introduction

The Jandy® Leaf-B-Gone™ system uses clean, filtered water to clear dirt and debris from swimming pools and spas. Utilizing the pull created by a high-pressure venturi nozzle inside the canister, the Jandy Leaf-B-Gone draws leaves and debris from the pool bottom through a plumbing line connected to the Jandy Leaf-B-Gone floor canister. Clean water is returned to the pool through a specialized fitting that directs flow to improve pool skimmer efficiency.

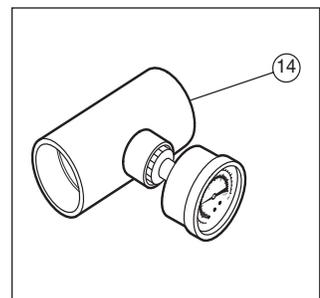
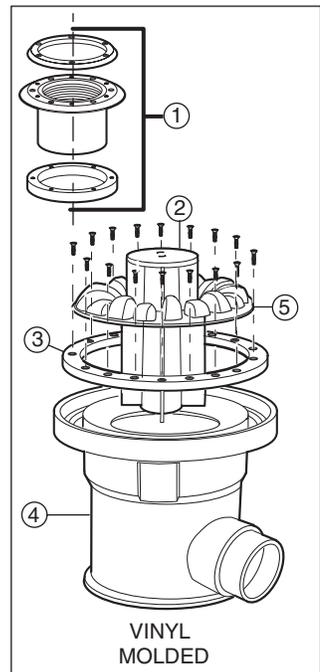
Jandy Leaf-B-Gone Components



1. Deck Lid Assembly
2. Deck Sleeve Extension
3. Inner Lid
4. O-Ring
5. Filter Bag
6. Deck Canister
7. Sweep 90-Degree Elbow
8. Venturi Nozzle
9. 3" Wall Fitting
10. Molded Floor Canister
11. Floor Canister Post
12. Floor Canister Cover¹
13. Wall Grate
14. Pressure Gauge Assy

Vinyl Specific Parts

1. Wall Fitting Assembly
2. Floor Canister Post
3. Locking Ring
4. Floor Canister
5. Floor Canister Cover¹



¹ Compliant with ASME A112.19.8-2007

Installation

1 Designing the Jandy® Leaf-B-Gone™ Pool

Since the Jandy Leaf-B-Gone uses a venturi system to direct water, optimize system performance by designing the pool with these flow dynamics in mind (see Figure 1).

- Water moving through the return line is directed to the pool surface to increase surface action and skimmer performance. Position the canister so it directs debris to a skimmer.
- Locate the Floor Canister at the deepest point in the pool. Slope the pool floor to funnel debris into the canister.

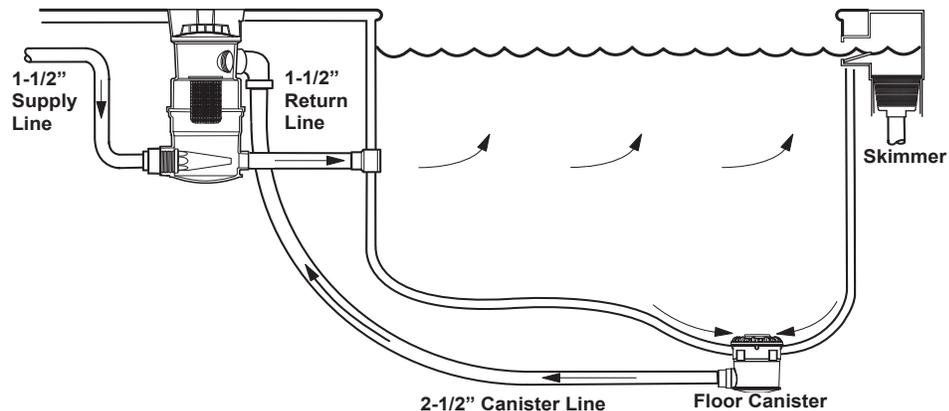


Figure 1. Flow Dynamics of a Jandy Leaf-B-Gone Pool

- If an automatic valve system is used to control flow between a pool and spa, install the feed line to the Jandy Leaf-B-Gone after the pool feed. This will stop flow to the Jandy Leaf-B-Gone when the spa is operating.
- In addition to the Pressure Gauge, install a two-way valve and tee with a threaded cap on the Jandy Leaf-B-Gone supply line to control flow and provide access for maintenance (see Figure 2).
- If a single pump is used to power the Jandy Leaf-B-Gone and an in-floor cleaning system, calculate one head worth of flow for the Jandy Leaf-B-Gone.
- If a separate pump will power the Jandy Leaf-B-Gone, use a 1/2 hp high head pump. To power multiple units, increase pump size by 1/2 hp for each Jandy Leaf-B-Gone installed. Do not exceed the supply line pressure limit (see Section 2).

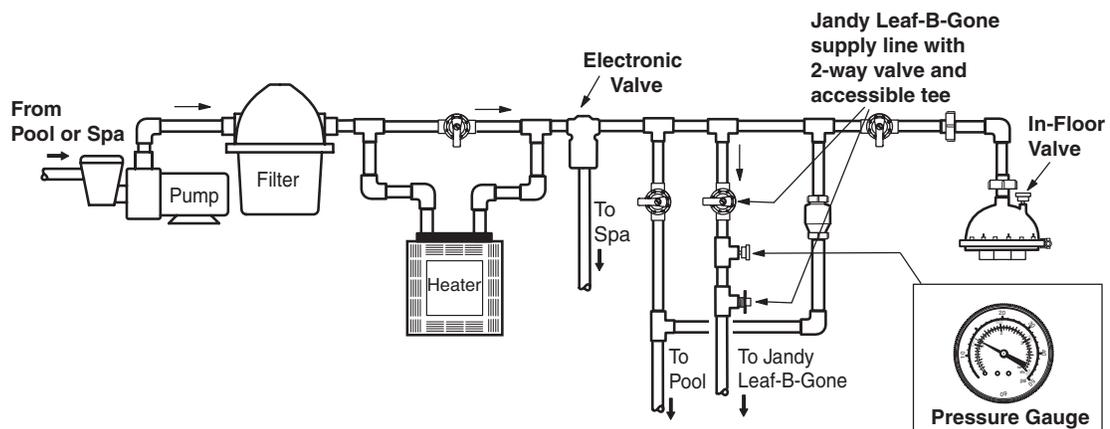


Figure 2. Example of a Jandy Leaf-B-Gone Installation

Elevated Jandy® Leaf-B-Gone™ System

A specialized Jandy Leaf-B-Gone system is also available for elevated spas and waterfalls. When designing such systems, note:

- The deck canister on this system is 4" longer than a standard unit to accommodate discharge below the spa bench.
- The specialized return-line wall fitting for this system has an internal check valve that must be installed **right side up** (see Figure 3).

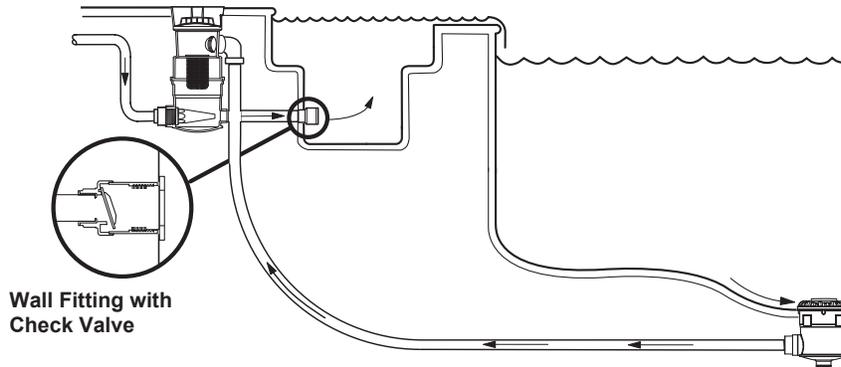


Figure 3. Orientation of the Internal Check Valve

- The water feature design must be carefully calculated, considering spillway elevation, width, and desired system flow rate. Elevation, defined as the distance from the lower water level to the top of the spillway, is somewhat limited by the venturi system. Refer to the following operational guidelines.

Elevation	Flow Rate (GPM)	Maximum Spillway Length
4"	42	6
6"	41	6
8"	37	5
12"	31	4

Provided dimensions are at or below the recommended maximums and the spillway is built flat, with a solid cantilevered edge, the system will produce a solid sheet of water flowing over the spillway. If using tile to construct the spillway, reduce the length to compensate for increased flow requirements.

2

Installing the Deck Canister

Excavate the Jandy® Leaf-B-Gone™ niche: 30" deep (from top of finished bond beam) by 22" wide and 18" back into the wall (see Figure 4).

- Position the canister so the top edge is no more than 1" below the pool bond beam and the return pipe is square with the pool wall once plumbed. Use wood shim or scrap PVC pipe under canister for support.
- Run a 6 foot length of rebar through the canister tabs and secure with tie wire.
- Install the 1-1/2" return pipe so it protrudes through the pool wall.
- Glue the sweep 90-degree and reducer bushing onto the canister (see Figure 4).

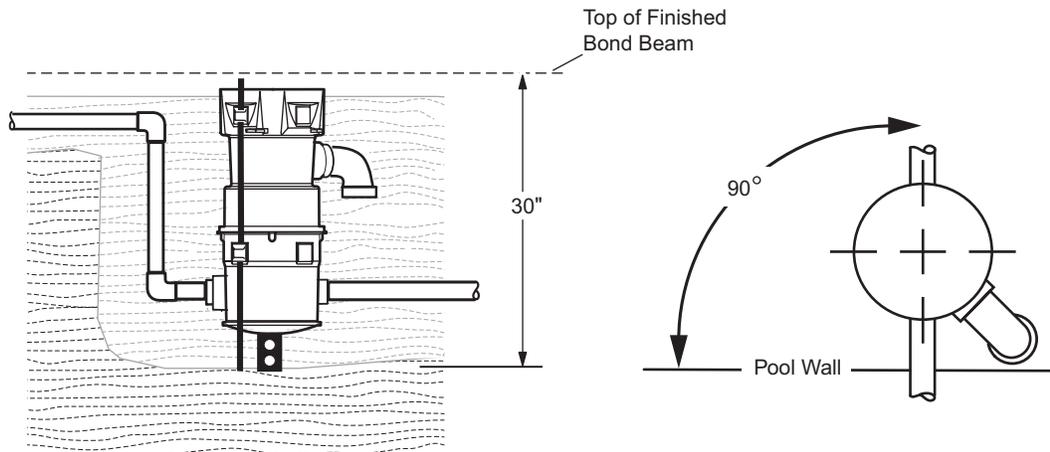


Figure 4. Deck Canister Installation

Installing the Pressure Gauge

When plumbing the Jandy Leaf-B-Gone system:

- Install the pressure gauge on the Jandy Leaf-B-Gone supply line between the 2-way valve and the accessible tee (see Figure 5).

When construction is complete and the system is started:

- Adjust the valve so that pressure at the gauge **does not exceed 14 PSI**.

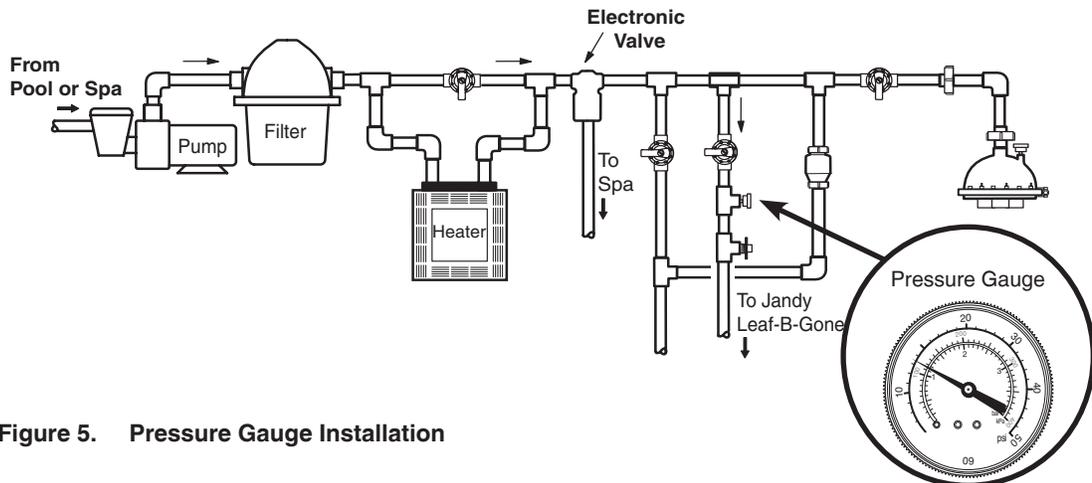


Figure 5. Pressure Gauge Installation

For Vinyl Liner Pools:

1. Drill a 3" diameter hole in the "pre-vinyl" pool wall for the wall fitting, 22" below the liner track. From inside the pool, insert the vinyl wall fitting into the hole. From outside the pool, thread the locking nut into the wall fitting (see Figure 6).
2. Glue a 10-1/2" section of 1-1/2" PVC pipe into the canister's return fitting.
3. Position the canister so the return fitting is at the same height as the wall fitting using a shim or PVC pipe for support.

Installation Tip: Place the PVC pipe directly under the canister tabs and run the rebar through the pipe for added support.

4. Glue return pipe, with canister attached, into the wall fitting.

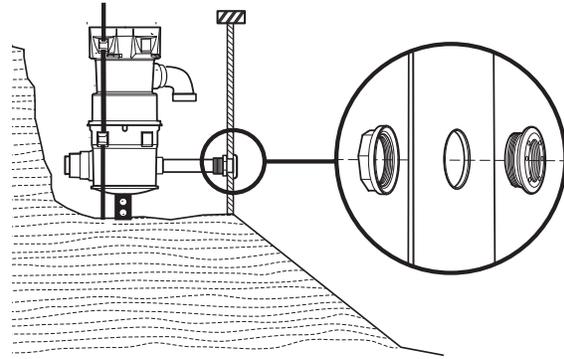


Figure 6. Deck Canister Installation (Vinyl Liner Pools)

3

Installing the Floor Canister

- Position the floor canister flush with the final finish level of the pool floor (see Figure 7).
- Use 2-1/2" PVC pipe to connect the floor canister to the deck canister. Heat pipe to simplify installation and improve water flow to the filter element, especially in areas with very leafy conditions. If heating is not possible, use 45-degree elbows instead of 90-elbows.

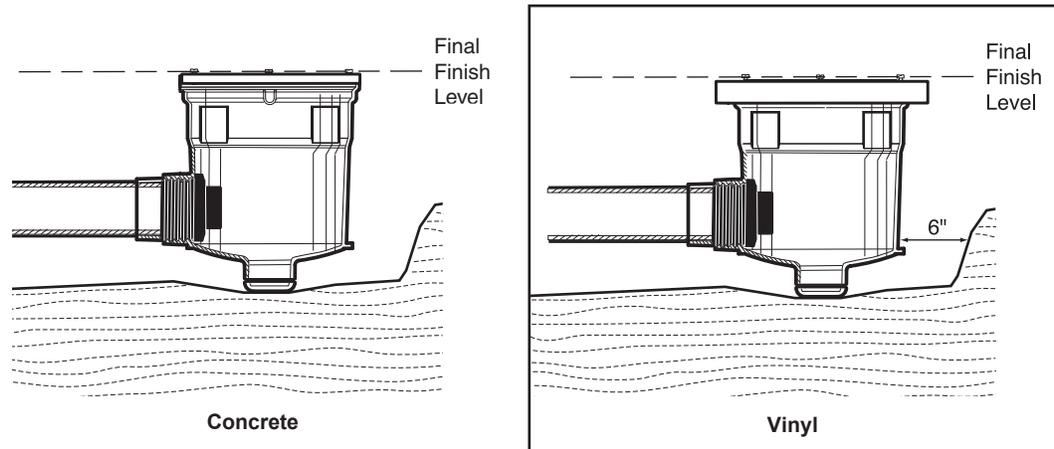


Figure 7. Floor Canister Installation

The floor canister can be equipped with an optional hydrostatic check valve (part #4-1-410).

4

Pressure Testing the System

The supply line into the deck canister and the line at the floor canister are plugged at the factory and shipped ready for pressure testing. **The protective cover on the floor canister should not be removed until the pool finish work is complete.**

Use the Pressure Test Kit (part # 4-17-100) to test the floor canister line. Test to 35 psi.

After minimum pressure is verified, secure the protective cover on the deck canister.

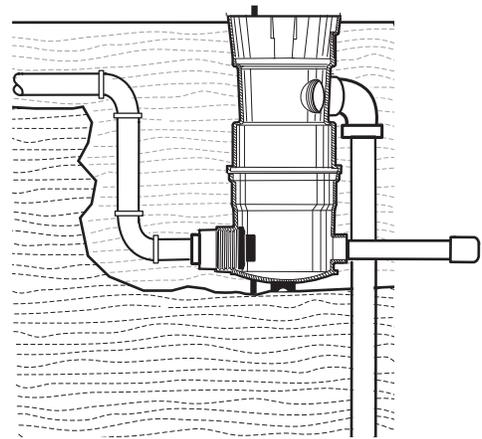


Figure 8. Jandy® Leaf-B-Gone™ Installed

CAUTION

For Vinyl Liner Pools:

To avoid causing damage to the pool, follow these instructions: After pressure testing, install a thrust block around the floor canister to prohibit shifting. Pour a 12" diameter concrete ring around the canister, 6" to 8" deep. Leave room for the pool bottom material between the concrete and the vinyl.

5

Finishing the Pool

Concrete Shell Guidelines

- Cut a well 6" deep and 6" in diameter in the shell at the return line to accommodate the flush-mounted 3" wall fitting.
- For final finish to seal properly, include a 1" well in the shell around the floor canister.

Deck Installation

Use the deck sleeve extension to set the height of the deck lid assembly.

1. Slide the deck sleeve over the outside of the canister and place lid assembly on top.
2. Mark and, if necessary, cut sleeve to meet final deck height.
3. Seal sleeve into position on canister.
4. With deck lid assembly in place on canister, pour the deck around the Jandy® Leaf-B-Gone™ as you would a skimmer.

Final Finish Preparation

Clear the Supply Line

1. Remove the test plug from the deck canister supply line.
2. Open tee at pool equipment and flush the lines using a blower or pressurized water.
3. Clear all debris from the canister.
4. Install venturi nozzle onto supply line in canister and close tee.

Install Return Fitting

Cut the return pipe 1-1/2" behind the finished wall. Glue the return fitting flush with the finished pool wall. Tape fitting for protection. Do not install the return wall grate until after the final finish is applied. **Never use an eyeball wall fitting on the return line.**

For Vinyl Liner Pools:

Lines should be cleared and debris removed before installation of the vermiculite or sand bottom.

Once the liner is securely in place, install the floor canister locking ring and post.

1. Locate the floor canister under the liner and feel for the V-groove on the outer edge of the canister (see Figure 9).
2. Press the locking ring onto the floor canister, aligning the ring V-groove with the V-groove on the canister. This will align the screw holes.
3. Hold the locking ring in place and install the 16 screws. Tighten securely (see Figure 9).
4. Cut away the liner by trimming at the inner edge of the locking ring.
5. Install the floor canister post and the floor canister cover.

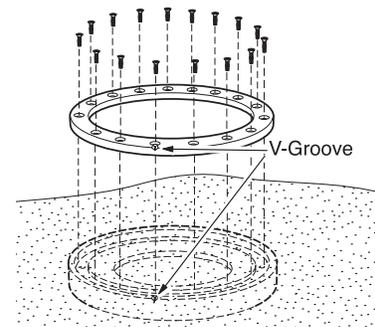


Figure 9. Installing the Locking Ring, Post, and Cover

For Vinyl Liner Pools:

Install the wall fitting face plate:

1. Locate the wall fitting and the four empty screw holes (see Figure 10).
2. Align the face plate with the screw holes and install the screws.
3. Cut the liner from the center of the face plate and install the wall fitting.

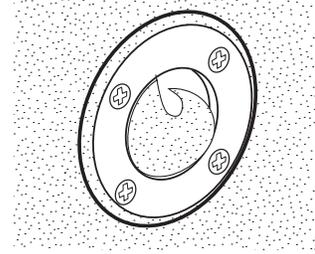


Figure 10. Wall Fitting Face Plate

Install Floor Canister Post and Cover

After the final finish is complete, install the floor canister post and cover.

1. Remove the protective cover from the floor canister. Remove the test plug from the canister line.
2. Screw on the post. The top of the post will extend approximately 1/4" above the cover.
3. Position and secure the cover.

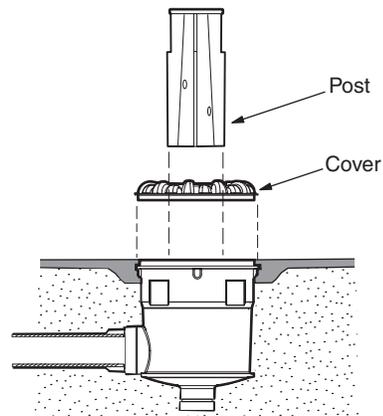


Figure 11. Floor Canister Post and Cover

6

Starting the System

Before initiating the system, open a discharge line before the Jandy® Leaf-B-Gone™ and flush the pool pump and filtration system. Clear debris from all filters and screens.

- Install the return wall grate, positioning it to direct flow towards the skimmer (see Figure 12).
- If water has accumulated above the level of the inner lid, turn on the pool pump to drain the water into the pool.
- Install the filter bag. Drop the inner lid into position and rotate it until tight against the o-ring. Do not overtighten. Reinstall the deck lid assembly.

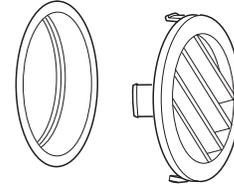


Figure 12. Return Wall Grate

Turn on the pool pump to activate the Jandy Leaf-B-Gone.

- Verify that the valve in the equipment area is completely open.

Setting the Pressure Gauge

When operating the Jandy Leaf-B-Gone system:

- Locate the pressure gauge on the Jandy Leaf-B-Gone supply line between the 2-way valve and the accessible tee (see Figure 13).
- While Pump is on, adjust the 2-way valve so that pressure at the gauge **does not exceed 14 PSI.**

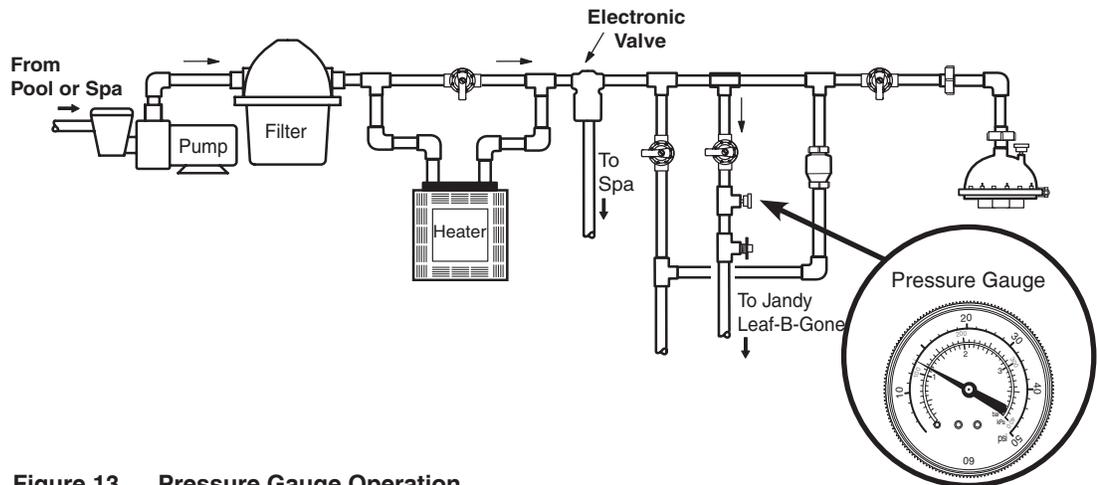


Figure 13. Pressure Gauge Operation

Operation and Routine Maintenance

To optimize system performance and maintain a clean pool, routinely clean the pool filter, pump basket and Jandy® Leaf-B-Gone™ filter bag.

Turn off pool pump to turn off the Jandy Leaf-B-Gone system before performing maintenance. Refer to Figure 14 for parts references.

Follow the pump manufacturer's recommended instructions on how to properly clean the pool pump basket. Follow the filter manufacturer's recommended instructions on how to properly clean the filter.

Cleaning the Jandy Leaf-B-Gone Filter Bag

1. Remove deck lid and inner lid.
2. Remove filter bag.
3. Turn bag inside out and flush with water. Reinstall bag.
4. Turn on pool pump to activate Jandy Leaf-B-Gone and drain any water inside the canister into the pool.
5. Replace the inner lid, careful not to overtighten, and the deck lid.

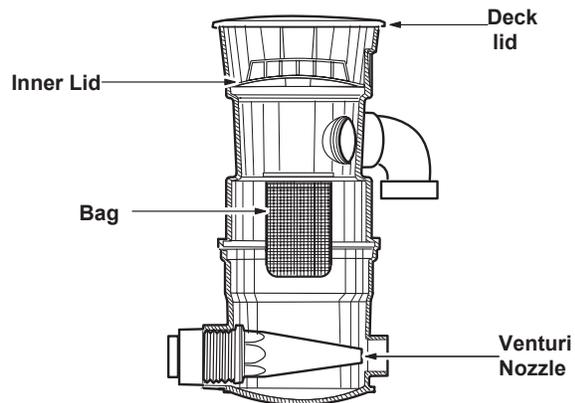


Figure 14. Jandy Leaf-B-Gone Parts Reference

Cleaning the Nozzle

1. Remove deck lid, inner lid and filter bag.
2. Turn venturi nozzle counter-clockwise to remove. Check nozzle for debris and clean as needed.
3. With nozzle off, turn on pool pump and flush supply line for thirty (30) seconds.
4. Reinstall nozzle, filter bag, inner lid (do not overtighten) and deck lid.

Removing Stagnant Water from Above the Inner Lid

If water accumulates above the inner lid, remove lid and turn on the system to drain water into the pool. Reinstall the lid and deck lid. **Water level must be kept below inner lid in areas prone to freezing.**

Winterizing

To avoid freeze damage in cooler climates, winterize the Jandy® Leaf-B-Gone™ system.

1. Remove deck lid, inner lid and filter bag.
2. Remove the return-line wall fitting and replace it with a #9-1/2 rubber winterizing plug (3" threaded cap for raised spas or 1-1/2" threaded plug for vinyl pools) (see Figure 15).
3. Clear all water from the canister. Using compressed air, blow out the floor canister line. Install a 2-1/2" winterizing plug in the canister pipe fitting (see Figure 15).

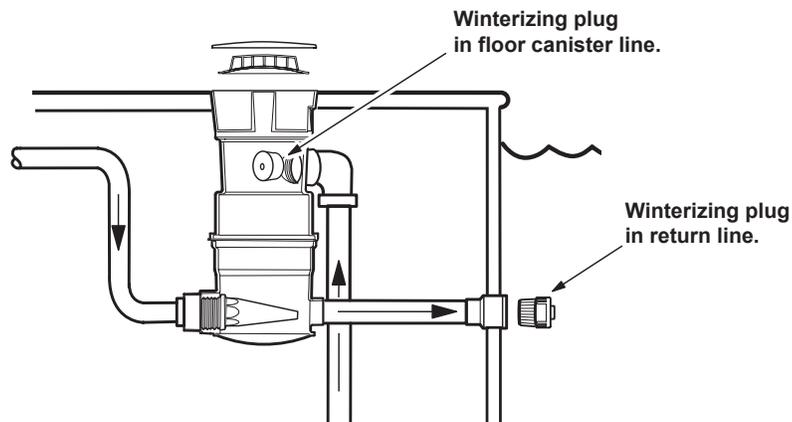


Figure 15. Winterizing the Jandy Leaf-B-Gone

4. Close the valve at the pool equipment. Open the plugged tee in the supply line and blow out the line. Reinstall the plug in the tee.
5. Vacuum any remaining water from the deck canister. To prevent freeze damage from rain water, put antifreeze (propylene glycol only) in the bottom of the canister. Secure the inner lid against the o-ring and add more antifreeze above it.
6. Reinstall the deck lid and store the filter bag in a dry protected location.

NOTES

NOTES



Conforms to
ASME A112.19.8-2007

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