

Jandy® JS Sand Filter Air Relief Assembly Replacement Kit

⚠ WARNING

FOR YOUR SAFETY: This product must be installed and serviced by a professional service technician, qualified in pool/spa pump and filter installation and maintenance. Improper installation and/or operation can create dangerous high pressure which can cause product failure or also cause the filter lid to be blown off, possibly causing death, serious injury or property damage. Improper installation and/or operation will void the warranty.

These instructions are to be used with the following Jandy Replacement Kit:
R0487600 -- JS100-SM Sand Filter Air Relief Assembly Replacement Kit

⚠ WARNING

Before installing this product, read and follow all warning notices and instructions that accompany this filter replacement kit. Failure to follow warning notices and instructions may result in property damage, personal injury, or loss of life.

This document gives instructions for replacing the Air Relief Assembly, screen and fitting on all Jandy JS Model Side Mount Sand Filters.

The instructions were written with safety as the priority and must be followed exactly. Not following the written procedure or taking shortcuts may increase the risk of personal injury. Read through the instructions completely before starting the procedure.

Before starting the procedure, use the parts list at the back of these instructions to identify the parts that are in your kit. If any parts are missing from the kit please call your local Jandy distributor for assistance. For technical assistance, please contact our Technical Support Department at 1.800.822.7933.

A. Remove the Lid

⚠ WARNING SHOCK HAZARD!

Turn off all switches and the main breaker in the pool/spa heater electrical circuit before starting the replacement procedure. Failure to comply may cause a shock hazard resulting in severe personal injury or death.

⚠ WARNING



Never attempt to adjust or remove the lid when the pump is running or there is pressure in the system. This can cause product failure or also cause the filter lid to be blown off which can result in death, serious personal injury, or property damage.

remove the lid while the pump is running or if the filter pressure gauge indicates there is pressure in the filter.

2. First, try to remove the lid by hand using the handles.
3. If removal by hand is not successful, use a mallet or soft-faced hammer to alternately strike the handles to loosen the lid.

B. Drain Water From The Filter

1. Remove the water drain cap and drain the water from the filter. See Figure 1.
2. Clean and replace the drain cap.

C. Replace the Air Relief Assembly

1. Slide the vent screen and grommet from end of the tubing extending above the diffuser.

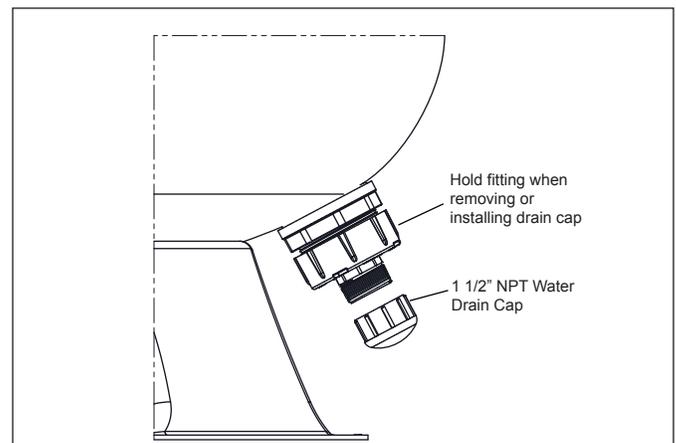


Figure 1. Water Drain Cap

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1. Before attempting to loosen or remove the lid, turn OFF the pump and OPEN the air release valve on top of the filter. DO NOT attempt to loosen or

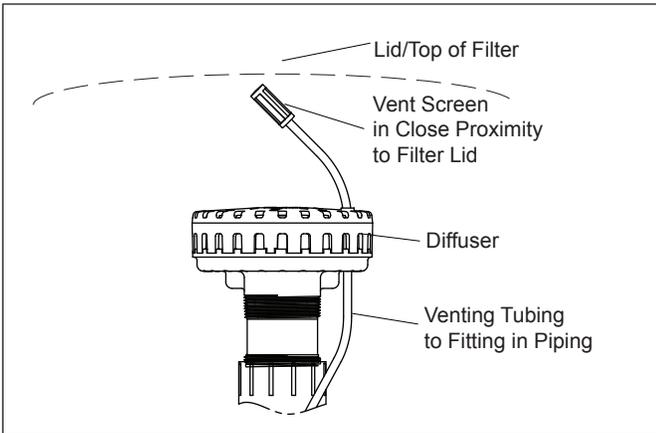


Figure 2. Automatic Vent Positioning

2. Pull the tubing out of the bottom of the diffuser.
3. Cover the diffusers with plastic bags so sand does not enter the diffusers during sand removal and replacement.
4. Remove sand from the filter until the tubing compression fitting is exposed at the elbow in the outlet piping. Rinse sand from around the compression fitting.
5. Remove the tubing and the tubing compression fitting by unscrewing the fitting from the elbow.
6. Install the new compression fitting into the elbow and tighten the fitting using the hex flats.
7. Loosen the end cap of the fitting (Do not remove the end cap) and slide the tubing into the end cap until it bottoms out. Tighten the end cap and check the tubing. It should not pull out of the compression fitting.
8. Remove the plastic bag from the diffuser closest to the tubing and thread the tubing through the diffuser.
9. Slide the new screen and grommet onto the end of the tubing so that the tubing is approximately 3/4 the distance into the screen.
10. Re-cover the diffuser with the plastic bag.

D. Replace the Sand in the Filter

1. A plastic bag should cover each of the diffusers.
2. Replace the sand in the filter and smooth the sand surface evenly. Fill to the sand level as described in the "JS Sand Filter Installation and Operation Manual". (Also shown on the filter data plate.)
3. Remove the plastic bags for the diffusers.

E. Lid Installation

⚠ WARNING



Follow these instructions carefully. Improper lid installation can cause product failure or also cause the filter lid to be blown off, which can result in death, serious injury, or property damage.

⚠ WARNING

Inspect the lid and tank for any damage before installing the lid. A damaged lid or tank could cause the lid to be blown off which can result in death, serious personal injury, or property damage.

1. Ensure that the lid seal is fully seated within the groove in the flange of the lid.
2. Before installing the lid, ensure that the air vent screen at the top of the air vent tubing is properly located above the diffuser such that it will be close to the underside of the lid when the lid is installed. See Figure 2.

⚠ WARNING



The automatic vent screen and tubing must be positioned properly to avoid trapping air inside the filter. Trapped air can cause product failure or also cause the filter lid to be blown off, which can result in death, serious personal injury, or property damage.

3. Inspect the threads to make certain that they are free of sand particles and wipe the threads on the tank and lid clean of any sand or debris. Apply a light coating of liquid dish washing detergent or bar hand soap with some water to the lid sealing surface on the top of the tank before installing the lid. Do not use any type of oil or grease that can cause sand to get caught in the threads. Thread the lid into the tank, making certain that the lid threads in smoothly. If resistance is felt while turning, remove the lid and ensure that it is not being cross-threaded into the tank and the threads are free of sand. Use the handles to tighten the lid hand-tight only. Do not use impact or hammers when installing the lid.

⚠ WARNING

Fiberglass and threads have sharp edges. To avoid cuts, use a brush to clean threads free of sand or dirt.

4. When the lid is fully installed, the seal flange must contact the surface of the tank. See Figure 3.

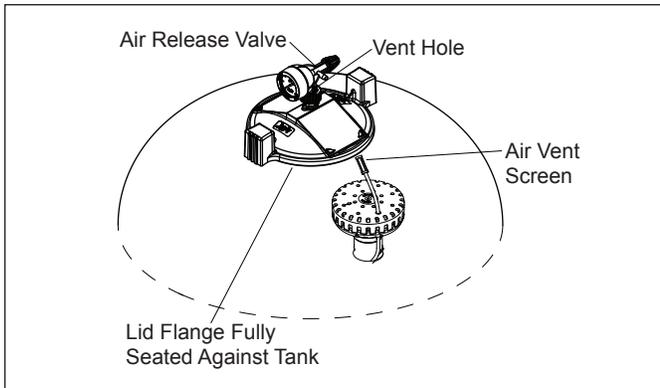


Figure 3. Filter Lid Installation

F. Start-Up and Operation



⚠ WARNING

Never attempt to adjust or remove the lid when the pump is running or there is pressure in the system. This can cause product failure or also cause the filter lid to be blown off which can result in death, serious personal injury, or property damage.

Once service on the circulating system is completed, the system must be properly vented of all air. Follow the instructions in the "Start-Up and Operation" section of the JS Sand Filter Installation and Operation Manual

G. Replacement Kit Lists

- The table below is for your reference. To order additional parts, please contact your local Jandy distributor.

Parts List for Replacement Kit	
Description	R0487600
Breather Tube Assembly	1
Connector	1

