

# Installation and Operation Manual

## Jandy® NeverLube® Backwash Valve

Protected under U.S. Patents 6,240,941  
and 6,568,428; other patents pending.



**FOR YOUR SAFETY - This product must be installed and serviced by authorized personnel qualified in pool/spa installation and maintenance. Improper installation and/or operation will void the warranty.**





**FOR YOUR SAFETY:** This product must be installed and serviced by authorized personnel qualified in pool/spa installation and maintenance. Improper installation and/or operation will void the warranty.

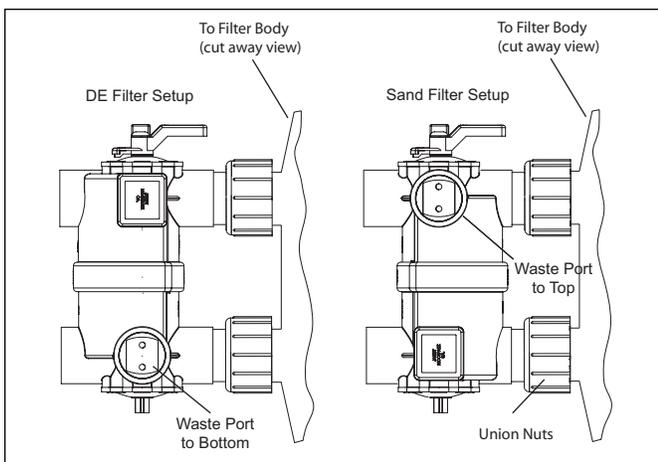
**⚠ WARNING**

Ensure that all electrical power to the system is turned off before approaching, inspecting or troubleshooting any leaking valves that may have caused other electrical devices in the surrounding area to get wet.

This document gives instructions for installing a Jandy Neverlube® Backwash Valve. The instructions must be followed exactly. Read through the instructions completely before starting the procedure. Please save these instructions.

The Jandy 2-in-1 Neverlube® Backwash Valve is designed to be used on either sand or diatomaceous earth (DE) filters with a center to center dimension of eight (8") inches (center of the inlet port to the center of the outlet port). Used with the Jandy Versa-Coupler, the Neverlube® Backwash Valve can be used on filters with center to center dimensions of seven (7") to nine (9") inches.

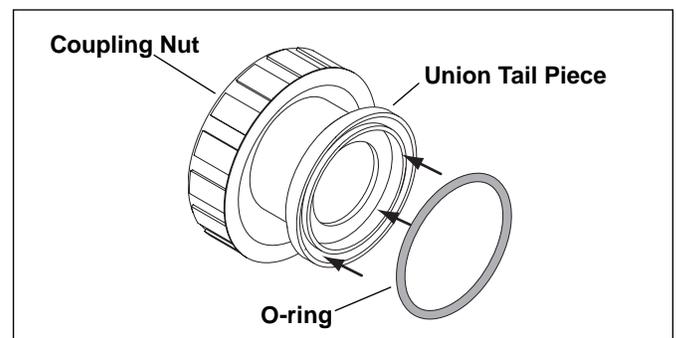
For Jandy Filters, Neverlube® Backwash Valve p/n 8034J comes ready to mount to DEL48 or DEL60 model filters (outlet being the top port). For Pentair or Sta-Rite Filters, a combination of p/n 8034 (Neverlube® Backwash Valve) with p/n 8044 (Versa-Coupler Kit) can be used to mount to most models. To mount on a sand filter, simply flip the valve over. If the valve handle ends up on the bottom of the valve, remove the locking knob and handle and place on the top. Hand tighten the locking knob (see Figure 1).



**Figure 1. Handle Positions (DE and Sand)**

**A. DE and Sand Filters**

1. Turn the locking knob on the Neverlube® Backwash Valve counter clockwise to loosen. Turn the handle back and forth several times to verify the diverters move freely.
2. Turn off all power to the system. For **retrofit** installations *only*, follow steps "a" through "d". For **new** installations skip steps "a" through "d" and proceed to step 3.
  - a. Open the pressure relief valve on top of the filter. Wait for all air to evacuate the system.
  - b. If the filter is below pool level, close the suction and return line valves to isolate the filtration system.
  - c. Remove the drain plug from the filter. Let the water drain from the filter.
  - d. Remove the existing valve from the filter.
3. Remove Neverlube® Backwash Valve from packaging.
4. Remove O-rings (2 total) from packaging.
5. Place O-rings on the face of the union tail pieces, where the face of the Neverlube® Backwash Valve union will connect to the filter bulkheads (see Figure 2). Make sure

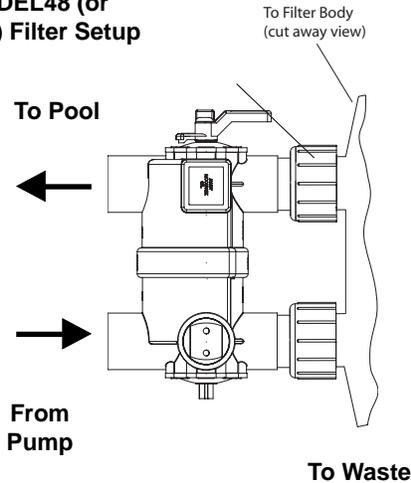


**Figure 2. O-ring Placement**

**⚠ Caution**

The Neverlube® Backwash Valve has molded labels on each port. Please note when installing the Neverlube® Backwash Valve on sand or DE filters, ensure that the valve ports coincide with the corresponding filter ports.

**Jandy DEL48 (or DEL60) Filter Setup Shown**



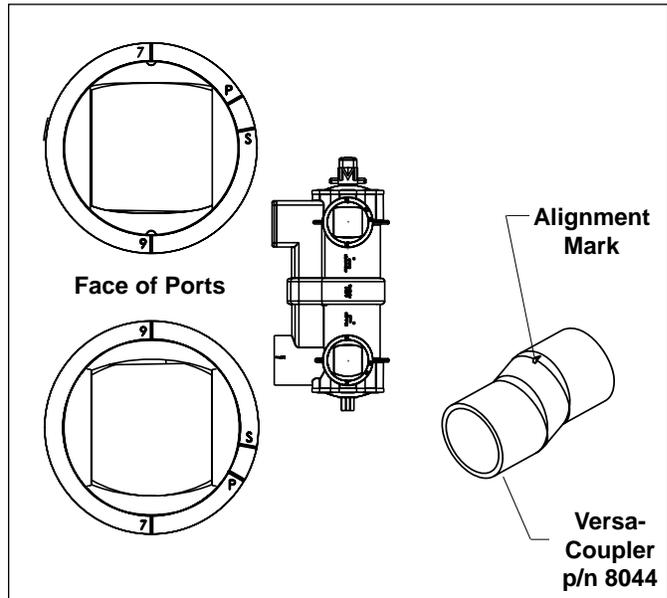
**Figure 3. Couplers**

**⚠ Caution**

Do not let any adhesive get inside the valve body. Excessive adhesive inside the valve body will prevent the diverter from moving freely.

each O-ring is properly seated into the groove of each union tail piece.

6. Holding the valve upright, place onto the filter bulkheads.
7. Tighten both union nuts to secure the valve on the filter.
8. If the valve handle is on the bottom of the valve, remove the locking knob and handle and move to the top. Hand tighten the locking knob.
9. Place filter and valve in proper location on the equipment set pad.
10. Plumb the discharge of the pump into the Neverlube® Backwash Valve inlet labeled **FROM PUMP**.
11. Plumb the Neverlube® Backwash Valve outlet labeled **POOL RETURN** to the heater or pool return lines.



**Figure 4. Jandy Versa-Coupler**

12. Plumb the **WASTE** ports as needed. Let the system dry for 24 hours.
13. When the glue is dry, start the system and check for proper water flow.

**NOTE:** For new installations other than Jandy DEL48 or DEL60, use Neverlube® Backwash Valve (p/n 8034) and Versa Coupler Kit (p/n 8044).

If using the Neverlube® Backwash Valve with a Pentair filter, use Pentair Pool Products™ Union Set #27002, and then proceed to section B. If using a Sta-rite filter, use Sta-Rite® Union Set #PKGM188, then proceed to section B.

**B. Versa-Coupler Installation**

1. There is an alignment mark on each versa-coupler and four (4) alignment marks on the Neverlube® Backwash Valve port faces (see Figure 4).
2. Slide a versa-coupler into the **TO FILTER INLET** and the **FROM FILTER OUTLET** ports on the Neverlube® Backwash Valve.

**NOTE:** Certain filters require two (2) p/n 8044 versa-couplers.

3. Hold the Neverlube® Backwash Valve up to the filter and twist the versa-couplers until they slide into the filter inlet and outlet ports. Tighten the filter union nuts.

**NOTE:** Make sure to align each versa-coupler to the filter and Neverlube® Backwash Valve prior to gluing the assembly.

4. If the alignment marks don't line up, make a mark on the coupler and valve for reassembly.

5. Remove the valve from the filter. Clean the couplers and glue them onto the valve using the alignment marks as a reference.
6. Clean the versa-coupler(s) and glue it onto the filter, matching the valve port marked **TO FILTER INLET** with the filter inlet. Hold the coupler in place for a minimum of one (1) minute.
7. Plumb the **FROM PUMP, POOL RETURN,** and **WASTE** ports as needed. Let the system dry for 24 hours.
8. When the glue is dry, start the system and check for proper water flow.
9. After the glue has dried, flush the system by setting the valve to **BACKWASH**. Start filter pump(s). Run the system until the waste water is clean. Turn off the filter pump(s) and set the valve to **FILTER**.

**C. Normal Operation**

1. Make sure the valve handle is pointing towards **FILTER**.
2. Turn on the filter pump(s). Check the system for normal water flow.

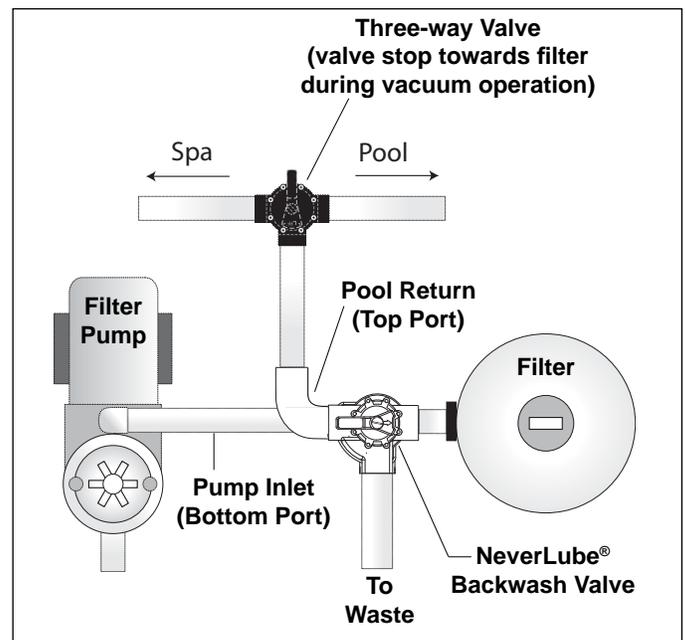
**D. Backwashing**

1. Turn off all system pump(s).
2. Release all pressure from the system at the main filter.
3. Loosen the handle locking knob and turn the valve handle to the **BACKWASH** position. Tighten the locking knob.
4. Turn on the system pump(s) and run the system until the waste water runs clean.
5. Turn off all system pump(s).
6. Return the valve handle to the **FILTER** position. Tighten the locking knob.
7. Turn on system pump(s) and check for normal water flow.

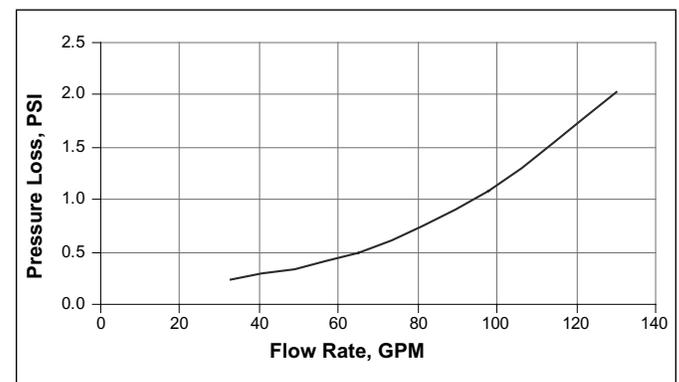
**E. Vacuuming to Waste (Optional)**

**NOTE:** To ensure that water will *not* return to the pool or spa during the "vacuum to waste" operation, a valve is required on the *return* line to the pool (see Figure 5). Close this valve or for Jandy valves, ensure the valve stop is facing the filter.

1. Shut off power to equipment pad.
2. Close valve on return line (see previous note).
3. Remove locking knob on the NeverLube® Backwash Valve handle.
4. While turning clockwise, lift the valve handle to clear the handle stop on the valve cover. Then align the handle to **WASTE** position of valve cover. This closes the inlet and outlet ports of the filter.
5. After vacuuming to waste *and* before returning power to the equipment pad, return both valves to normal operating positions.



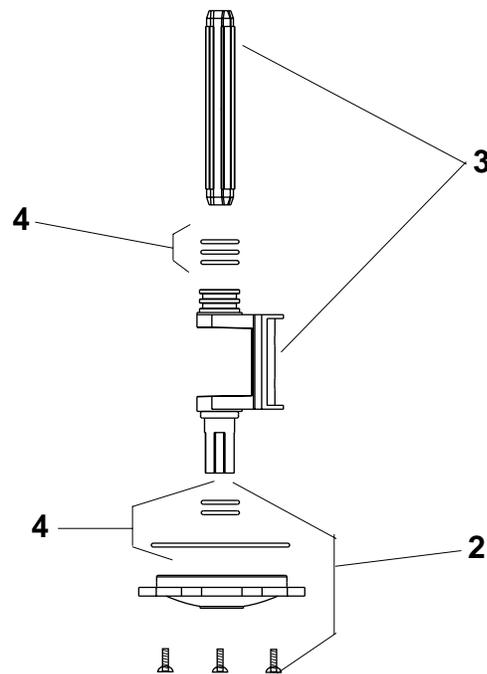
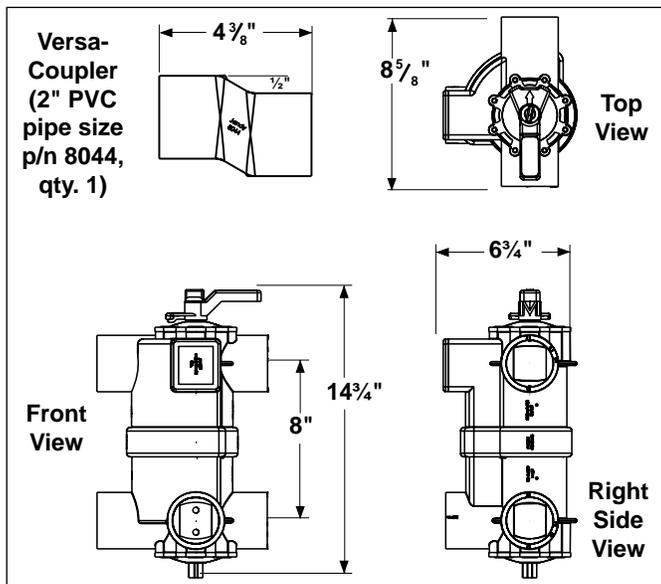
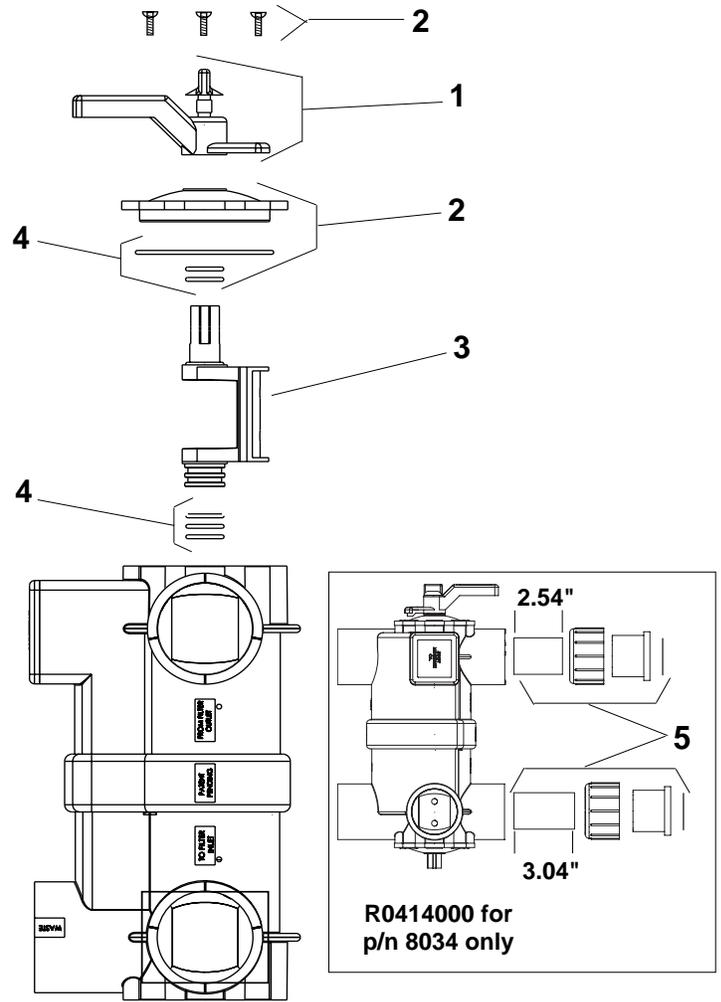
**Figure 5. Vacuuming to Waste**



**Figure 6. NeverLube® Backwash Valve Performance Curve**

## F. Replacement Parts List

Key No.	Description	Qty.	Order Part No:
1	Handle Replacement Kit		R0552100
	Locking Knob	1	
	Handle	1	
2	Lid Replacement Kit		R0552200
	Lid, Top (Keyed)	1	
	Lid, Bottom (Keyed)	1	
	O-ring, 151	2	
	O-ring, 116	4	
	Screws, Machine #14	16	
	Instructions, Replacement Kit	1	
3	Diverter Replacement Kit		R0552300
	Diverter Shaft	1	
	Diverter Assembly, Top (Blue Seal)	1	
	Diverter Assembly, Bottom (Black Seal)	1	
	Instructions, Replacement Kit	1	
4	O-Ring Replacement Kit		R0552400
	Par Ring	2	
	Lid O-ring	2	
	Diverter O-ring	8	
	Instructions, Replacement Kit	1	
5	Pre-Plumbed Kit w/ Unions		R0414000
	PVC Pipe, 2.54"	1	
	PVC Pipe, 3.04"	1	
	Coupling O-ring	2	
	Union Tail Piece/Flange	2	
	Coupling Nut	2	
	Instructions, Replacement Kit	2	



**NOTES**

## LIMITED WARRANTY

Thank you for purchasing Jandy® pool and spa products. Jandy Pool Products, Inc. warrants all parts to be free from manufacturing defects in materials and workmanship for a period of one year from the date of retail purchase, with the following exceptions:

- AquaLink® RS units installed with Jandy Surge Protection Kits will be covered for two years.
- NeverLube® valves are warranted for the life of pool and/or spa on which they were originally installed.
- AquaPure™ Electronic Chlorine Generator Electrolytic Cells carry a 5 year limited warranty on a prorated basis.

This warranty is limited to the first retail purchaser, is not transferable, and does not apply to products that have been moved from their original installation sites. The liability of Jandy Pool Products, Inc. shall not exceed the repair or replacement of defective parts and does not include any costs for labor to remove and reinstall the defective part, transportation to or from the factory, and any other materials required to make the repair. This warranty does not cover failures or malfunctions resulting from the following:

1. Failure to properly install, operate or maintain the product(s) in accordance with our published Installation, Operation and Maintenance Manuals provided with the product(s).
2. The workmanship of any installer of the product(s).
3. Not maintaining a proper chemical balance in your pool and/or spa [pH level between 7.2 and 7.8, Total Alkalinity (TA) between 80 to 120 ppm, Total Dissolved Solids (TDS) less than 2000 not including salt ppm].
4. Abuse, alteration, accident, fire, flood, lightning, rodents, insects, negligence or acts of God.
5. Scaling, freezing, or other conditions causing inadequate water circulation.
6. Operating the product(s) at water flow rates outside the published minimum and maximum specifications.
7. Use of non-factory authorized parts or accessories in conjunction with the product(s).
8. Chemical contamination of combustion air or improper use of sanitizing chemicals, such as introducing sanitizing chemicals upstream of the heater and cleaner hose or through the skimmer.
9. Overheating; incorrect wire runs; improper electrical supply; collateral damage caused by failure of O-Rings, DE grids, or cartridge elements; or damage caused by running the pump with insufficient quantities of water.

### LIMITATION OF LIABILITY:

This is the only warranty given by Jandy Pool Products, Inc. No one is authorized to make any other warranties on behalf of Jandy Pool Products, Inc. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY. JANDY POOL PRODUCTS, INC. EXPRESSLY DISCLAIMS AND EXCLUDES ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, INDIRECT OR PUNITIVE DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY.** This warranty gives you specific legal rights. You may also have other rights which vary by state or province.

### WARRANTY CLAIMS:

For prompt warranty consideration, contact your dealer and provide the following information: proof of purchase, model number, serial number and date of installation. The installer will contact the factory for instructions regarding the claim and to determine the location of the nearest designated service center. If the dealer is not available, you can locate a service center in your area by visiting [www.jandy.com](http://www.jandy.com) or by calling our technical support department at (707) 776-8200 extension 260. All returned parts must have a Returned Material Authorization number to be evaluated under the terms of this warranty.