

WAIWELA

Descaling Kit

WDKIT- 4 Instructions

Caution: You will be working with a gentle but effective acid. **Eye protection is essential.** Rubber gloves are optional unless you have sensitive skin.

This Descaling Kit is designed for use with TIV (Tankless Installation Valves). If you do not have TIV valves or are descaling something other than a tankless water heater, the process may be a little different and the use of an adapter may be required. The general method of removing scale stays the same.

Step 1: Unpack kit and check that you have the following:

- 2 gallon white bucket with lid
- Pump with clear plastic **Inlet** hose attached
- Clear plastic **Outlet** hose.
- Descaling Agent (4 pre-portioned packs)
- Red Color Indicator (4 pre-portioned bottles)
- Mixing Paddle
- Instructions with MSDS sheets

Step 2: Unplug and turn off gas to tankless water heater. Turn off **hot** and **cold** TIV. Open drain ports on both **hot** and **cold** TIV. Connect hose with pump to **cold** side drain port and hose without pump to **hot** side drain port. Fill bucket with one gallon fresh water. Submerge pump in water. Plug pump into grounded 110 volt power source. Test for leaks at water connections and minimize leaking. Remove pump. Empty bucket.

Step 3: Open and place one pack of dry descaling agent and one bottle of red liquid indicator into the bucket. Add one gallon of water at about 140°F. Mix with mixing paddle.

Step 4: Submerge pump in descaling agent. Plug pump into 110 volt power source. Allow circulation to continue for 15 minutes or longer as necessary. Solution is red when it is potent. A blueish-gray color means the solution has lost its acidity.

Step 5: Unplug pump. Remove pump from descaling agent. Dispose of descaling agent according to manufacturer's instructions or as local codes permit.

Step 6: Fill bucket with one gallon fresh water. Submerge pump in water. Plug in pump and circulate fresh water through heater. Change fresh water frequently. Continue for 15 minutes. Check inlet water filter for trapped debris. Rinse and clean filter screen.

Step 7: Disconnect hoses from TIV valves. Close drain ports to **hot** and **cold** TIV valves. Open **hot** and **cold** TIV slowly. Test for leaks. Plug in and turn gas on to tankless water heater. Water heater should now be free of scale buildup and operational.

Keep away from pets & children as acid is extremely dangerous.

Store descaling agent in bucket for future use in a safe space.

If you have questions contact: 800.605.6542.

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