

HOW TO RETROFIT WATTS PREMIER RO PURE SYSTEMS



The Neo-Pure RO-Pure membrane is a replacement for the Watts Premier 105331 RO Membrane. This guide will show you how to effectively replace the Watts membrane with the Neo-Pure Branded NPPB331 replacement membrane. The Neo-Pure has a slightly different design and the primary reason for the installation steps. Subsequent replacements will be quick and easy.

The different design takes the drain line out of the canister to eliminate the chance of waste stream bypass happening inside the membrane housing and ruining the quality of the RO water. Additionally, the flow restrictor on most RO systems never gets replaced and will shorten the life of the membrane over time. As the flow restrictor does its job, microscopic debris rejected by the membrane will slowly accumulate and then each new membrane replacement lasts less and less time due to not having adequate flow rate to drain. Each new Neo-Pure membrane comes with a new flow restrictor so shortened membrane life is never a concern or potential from this issue.

To install your first Neo-Pure membrane, it will require the drain line from the back of the Premier RO simply be re-routed to the flow restrictor union on the bottom of the Neo-Pure membrane. Follow these simple instructions:

Rear View of RO-Pure System

The diagram shows a manifold with four stages: POST CARBON, MEMBRANE, PRE CARBON, and SEDIMENT. It illustrates the flow paths for three types of tubes: Blue Tube (Flow), Red Tube (Bypass), and Green Tube (Waste). Mounting holes are also indicated.

- Remove the old RO membrane from the third head on the manifold
- Remove the red drain line tube from the back of the manifold (see how to use quick connect style connections on the next page)



3

Remove the plug from the elbow at the bottom of your new Neo-Pure NPPB331 Membrane

4

Place the plug in the outlet where the red drain line was removed from





5

Connect the orange tube to the elbow at the bottom of your new membrane with the flow restrictor union on the other end



6

Cut off the end of existing drain line to remove the old flow restrictor



7

Connect the drain line to the outlet side of new flow restrictor

8

Always check for leaks once the system is fully pressurized

Once all filters are replaced on the manifold, turn the water back on and allow the tank to fill. Then empty the tank and the system is ready to go.

HOW TO USE QUICK CONNECT / PUSH TO FIT FITTINGS



Install

Cut tubing Square - Remove burrs and sharp edges. Ensure the outside diameter is free of scratches.



Push the tube into the fitting all the way to tube stop. (Measure 3/4" up tube and make a line. Push tubing in so that line is even or below the collet)

Pull to check it is secure and test the system for leaks before use



To Disconnect:

Ensure the system is off and depressurized, push the collet square against the