





# CONGRATULATIONS ON BUYING AN ORCAFILTER!

## To install your OrcaFilter...


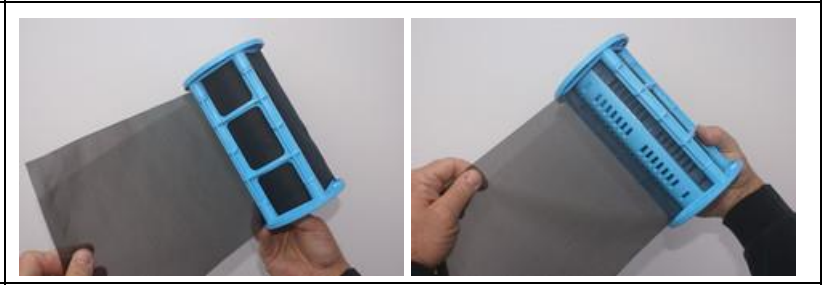

<p><b>1</b> Open the pump housing of your existing pump and remove your old filter from its housing. Be sure keep all sealing rings, particularly around the top of the filter housing.</p>	
<p><b>2</b> Verify to see if you need the gaskets. You may need none, one, or both of the gaskets. The easy way to see is if you measure your existing filter against your new OrcaFilter. You may need one on the bottom inside the pump housing and one on the top. The OrcaFilter with a gasket on the top and bottom should come up to the same height as the existing filter.</p>	
<p><b>3</b> Install your new OrcaFilter. When you place the filter in the pump housing you will typically need one gasket on the top and one on the bottom, but again, your unit may be slightly different. The end cap of the OrcaFilter is manufactured in such a way that even without the gaskets it should seal against most filter housings and perform well.</p>	
<p><b>4</b> Replace the filter housing cover and hand-tighten. Don't over-tighten. The housing cover should be able to be screwed on and off just using your hands. Don't use tools.</p> <p>Once you have the filter installed, start the pump and check for leaks. If you do have some leaks around the filter housing cover, you can tighten it a little to see if that fixes the problem. If it doesn't, the gaskets may not be seated correctly in the top or bottom of the housing. Check the seating first and if they appear OK, also check to see if the gaskets are making the filter assembly too tall for the filter housing. You may need to remove one of the gaskets.</p> <p>Once you have corrected this, re-attach the filter housing cover and check for leaks. If there are no leaks, congratulations! If there are still leaks then we have some other issues and you may need to place your old filter back in and get in touch with us.</p>	
<p><b>5</b> Sit back and relax. You've made a wise investment and helped protect the Earth. Start saving money and feel good about your contribution to the planet!</p>	

The whole advantage to an OrcaFilter is that it can be re-used and that means, it needs to be cleaned periodically. We recommend cleaning your filter every 2 weeks, but your actual mileage may vary so keep track on how much flow is coming through your pump. If in doubt, clean more frequently.

For instructions on how to clean your OrcaFilter, visit <http://orcafilters.com/pages/instructions>

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<p><b>1</b></p> <p>Remove the OrcaFilter from the pump housing in the opposite way you installed it and then remove the rubber bands.</p> <p>Make sure to keep tabs on where all the gaskets and sealing rings go.</p>	
<p><b>2</b></p> <p>Take note of the way the filter screen is wrapped onto the housing.</p> <p>Unwrap the filter screen from around the posts. Pull on the trailing end filter screen to unwrap it from the center core. It will release easily.</p>	
<p><b>3</b></p> <p>Clean the screen and filter housing using. This can be done with a high pressure nozzle on a garden hose and you can also use a nylon brush or kitchen scouring pad in warm water if you have stubborn build-up. If you used any detergents, make sure to rinse thoroughly before re-assembly.</p> <p>You don't have to dry it. Once it is clean of the debris build-up, it is ready to be re-installed into the filter.</p>	
<p><b>4</b></p> <p>To assemble the filter, one end of the filter screen (it doesn't matter which, although if you are using our DP media the finer screen needs to go in first) is laid against the center core with the remainder of the filter screen staying outside the vertical posts.</p> <p>Feed the filter screen around the core and under the posts by pinching the filter screen against the core with thumb and index finger and rotating the core.</p> <p>Once you have one wrap around the inner core the leading edge will catch under the filter screen as it's feeding in. It might take some getting used to but it gets easier with practice!</p>	

<p><b>5</b></p> <p>Rotate the core until you have at least three complete turns so that the core has at least 3 full inner wraps of the filter screen around it.</p> <p>Keep winding the core until there is about 23" of filter screen remaining outside the filter housing to allow a single wrap around the outside posts.</p>	
<p><b>6</b></p> <p>Wrap the remaining 23" around the outside of the posts in the same direction as the wrap on the inside of the filter.</p> <p>There is a connecting section of the filter screen between the inner and outer wraps. The trailing end of the filter screen should wrap once around the unit and lie half-way between 2 of the posts although this is not critical.</p>	
<p><b>7</b></p> <p>Re-attach the 3 chemical resistant rubber bands. Put 2 rubber bands tight against each end cap and one in the middle.</p> <p>Be sure to keep the bands up against the underside of the end cap as there is a slightly raised lip that helps seal the filter screen against the end cap.</p>	
<p><b>8</b></p> <p>Reinstall the filter into the pump housing and make sure to re-insert any gaskets that are needed.</p> <p>Sit back, relax, have a home brew – you've earned it. Take comfort in the fact you are saving money, helping the environment, and creating American jobs!</p>	

If you have more questions, check out our website at [www.orcafilters.com](http://www.orcafilters.com) or email us at [sales@orcafilters.com](mailto:sales@orcafilters.com).