

WHOLE HOUSE SYSTEM SAFETY/CONVENIENCE PREP & RECOMMENDATIONS:

a). **Plumber/Installer:** We highly recommend using a professional for the installation of the whole house system.

i). It should be a licensed, insured and experienced plumber with good reviews/ratings and someone who you feel comfortable with. HomeAdvisor.com (Free), Yelp.com (Free), Angieslist.com (Paid Subscription) or the like can help with locating a reputable plumber in your area.

ii). It's best to obtain an estimate of time and expense before scheduling the install, so there are no surprises. In a few words: The plumber would simply need to connect the main cold water line of your home to the filter system, and the output from the filter to water heater and rest of the home, so that all the water going to your home is first filtered through our system. The full installation manual can be found here: http://www.pureeffectfilters.com/Installation_Instructions_ULTRA_WH.pdf

The additional safety and convenience recommendations for the install are listed below:

b). **It's highly recommended to make a plumbing bypass around the filter system**, this is so you may still get water to your home if the system ever needs to be serviced.

c). **Install a garden hose type drain/bypass faucet valve at the input and output** of the system, so you can easily connect a garden hose for flushing new cartridges (after the system), and for washing car/driveway/water lawn, etc not to waste filtered water (before the system). **During initial flushing, the output water will be black with harmless carbon dust, please ensure you catch this water so to avoid it muddying your place of install.*

For 3/4" Main Water Lines:

<http://www.ebay.com/itm/Lead-Free-3-4-IPS-Threaded-Webstone-Pro-Pal-Ball-Drain-Purge-Valve-40613W-/231644638219?hash=item35ef18ac0b:g:E7YAAOSwyQtVw4SD>

For 1" Main Water Lines:

<http://www.ebay.com/itm/Lead-Free-1-IPS-Threaded-Webstone-Pro-Pal-Ball-Drain-Purge-Valve-40614W-/231644639480?hash=item35ef18b0f8:g:E7YAAOSwyQtVw4SD>

Note: To determine your main cold water pipe thread size (3/4" or 1" generally): Simply take a tailors tape and measure the circumference of the main cold water pipe all the way around, then see the conversion reference below to determine the thread size:

1. Circumference = apx. **4.1"** > Thread Size = **1"**
2. Circumference = apx. **3.3"** > Thread Size = **3/4"**

If you don't have a tailors tape, just take a piece of paper and wrap it around the pipe, place a mark on the paper where it meets/starts to overlap the other edge of the paper, then unwrap the paper and measure that distance on paper with a regular ruler.

❑ d). **It's great to have just in case: A Leak-Stopper device w/ auto shut-off** for added security and protection against the unlikely event of a leak (especially when you're not home). Must be installed BEFORE the filter system.

This device can be found here:

<http://www.pureeffectfilters.com/parts/leak-stopper-wh.html>

❑ e). **Determining your Water pressure:**

If you are not having a plumber come out for initial estimate and want to measure it yourself: This simple and inexpensive gauge will measure it for you:

http://www.amazon.com/Rain-Bird-P2A-Pressure-Gauge/dp/B00004RACK/ref=sr_1_1?ie=UTF8&qid=1454131266&sr=8-1&keywords=rainbird+pressure+gauge

❑ i. If your water pressure is below 50PSI, you may require a booster pump installed BEFORE the filter to ensure it has sufficient pressure and that there is no significant pressure drop in your home plumbing. We highly recommend low-noise or “quite” technology booster pumps since some can be quite noisy. We recommend The **SCALA2** pump by **Grundfos**, which can be found on Amazon.com. Please consult with your plumber if this is the ideal pump for your situation.

❑ ii. If your water pressure is **80+ PSI**, a pressure reducer valve must be installed to protect not only your filter system, but also your home plumbing from premature pressure leaks, damage, etc. as **80+ Pounds/Square Inch** is high pressure and is taxing on the plumbing system and water using appliances/fixtures of your home.

❑ f). **Placement:**

❑ i. Ensure you place your system indoors, out of direct sunlight, freezing temps, high heat (over 140F) and in an area that's easily accessible.

If you must install the system outdoors, it may be done (but will void warranty if we determine a particular issue has occurred as a result of being outdoors). We have had customers do it this way in warmer climates with success. Ensure to put a protective box over it to shield from elements, create ventilation and insulation.

❑ ii. If you have any water Softener/De-Scaler, Heater, UV/Ozonator, etc. These must be placed AFTER the filter system, so the water is first filtered and then goes on to the other systems.

We hope your new filtration system will serve you for many years to come, and if we can ever be of further assistance to you, feel free to contact us. Thank you!