

# Next-Generation Water Filtration

Our triple whole house water filtration system is manufactured by Pentair, a global company known for being the quality choice for water treatment professionals due to their strong, reliable brands and product lines. The whole house system has a flow rate of 40 to 50 lpm and is installed at the water's point of entry (POE) to the house. The system treats all incoming water before it goes into individual supply lines that feed your laundry, bathrooms, kitchen, outside faucets and taps.

It comes complete with:

- Cover — protects the system from the harsh weather elements
- Pentair jumbo housing — heavy duty, offer large capacity filtration needs
- Two pre filters — for high sediment removal
- For town supply: 10" jumbo KDF/GAC — for chlorine and heavy metal reduction
- For tank supply: 10" jumbo radial flow GAC — for taste and odour reduction
- 1" Metal pressure reducing valve - as all jumbo housings have a pressure retention of 80 -100 psi. Most municipal supplies are up to 140 psi coupled with water hammer, it's reckless not to install a PRV
- Pressure gauges — for optimum filter life and no guess work
- Shut off valve — for easy changing of filters and maintenance. No need to turn off the mains
- Triple housing stand for added stability

Pentair's triple whole house water filtration is a 3 stage system consisting of pleated filter, dual gradient filter and KDF-GAC filter (town supply) and radial flow GAC (tank supply).



**Filter 1,2**

The first two filters are for sediment removal. The pleated filter is manufactured from a durable, non-woven polyester fabric that is suitable for removal of coarse sediment. The dual gradient filter which is manufactured from 100% pure polypropylene is designed to remove sediment, particles and for cyst reduction. Using an advanced design the filter is able to achieve up to three times the normal dirt holding capacity as other sediment filters. It has a 25 micron outer shell for larger particles and a 1 micron inner shell for finer particles and cysts.

**Filter 3 - Option A -Town Supply**

The third filter for town supply is the KDF-GAC, a two media cartridge consisting of KDF (Kinetic Degradation Fluxion) and GAC (Granulated Activated Carbon). When the KDF media is combined with GAC it strips the chlorine from the water before it contacts the carbon. This frees the carbon to reduce more chemical contaminants including herbicides, pesticides, VOC's and THM's.

Note: Chart below is based on KDF-55 combined with basic activated carbon filter.

Bacteria and Viruses	Bad Taste & Odours	Chlorine	Fluoride	Hydrogen Sulfide	Heavy Metals	Nitrates	Randon	Sediment	Iron	VOC's
○	●	○	○	●	●	○	●*	●	●	●*

● =Effectively Removes    ●\* =Significantly Reduces    ○ =Minimal or No Removal



Pentair's heavy duty big white housings offer large capacity filtration needs for high-flow and heavy- sediment applications. These are durable and made to last, where as cheap imitations last half the time.

**Filter 3 - Option B -Tank Supply**

The third filter for tank supply is radial flow GAC, a unique radial flow design which offers the benefits of granular activated carbon (GAC) filtration, such as low pressure drop, while at the same time significantly reducing the release of carbon fines commonly associated with GAC- style cartridges. It is ideal for point-of-entry (POE) and other high flow rate applications.



10BRFGAC

