

# FILTER-AG PLUS®

Automatic backwashing unit to dramatically  
reduce sediment and colour in rural surface  
water.

# Filter-Ag Plus®

- Filter-Ag Plus automatic backwashing unit is designed specifically for this type of water.
- Brilliantly effective in cleaning the water of particulate matter down to the 5 micron or less range (40 micron, approximately smallest visible size).
- Clack Filter-Ag Plus is a unique natural ore that has many outstanding advantages over common granular filter sands and multimedia used for suspended solids reduction. Viewed under an electron scanning microscope, the granules reveal an angular shape, rough surface and microporous void spaces as small as 3 microns. This creates a surface area over 100 times greater than silica sand. The angularity of the granules and the tapered internal pore spaces allow for reduction of dirt, silt and organic matter suspended in water by bridging, straining and adhesion. The rough surface and internal porosity provide a high surface area for efficient reduction of suspended matter.



# Advantages and Conditions

- Deep bed filtration results in superior water quality and reduces the load on downstream equipment.
- High sediment removal capacity results in longer filter runs, with a substantial savings in backwash water and time out of service.
- Replacement of sand and multimedia with Filter-Ag Plus in existing installations will increase filter capacity.
- Water pH: Wide range
- Bed Depth: 24-36 inches
- Freeboard: 50% of bed depth
- Backwash flow rate: 15-20 gpm/sq.ft.
- Backwash Bed Expansion: 30-40% of bed depth.
- Service Flow rate: 12-20 gpm/sq.ft. Local conditions may require lower flow rates
- A gravel support bed is required

**Filter-Ag Plus is an all-natural, environmentally safe product.**

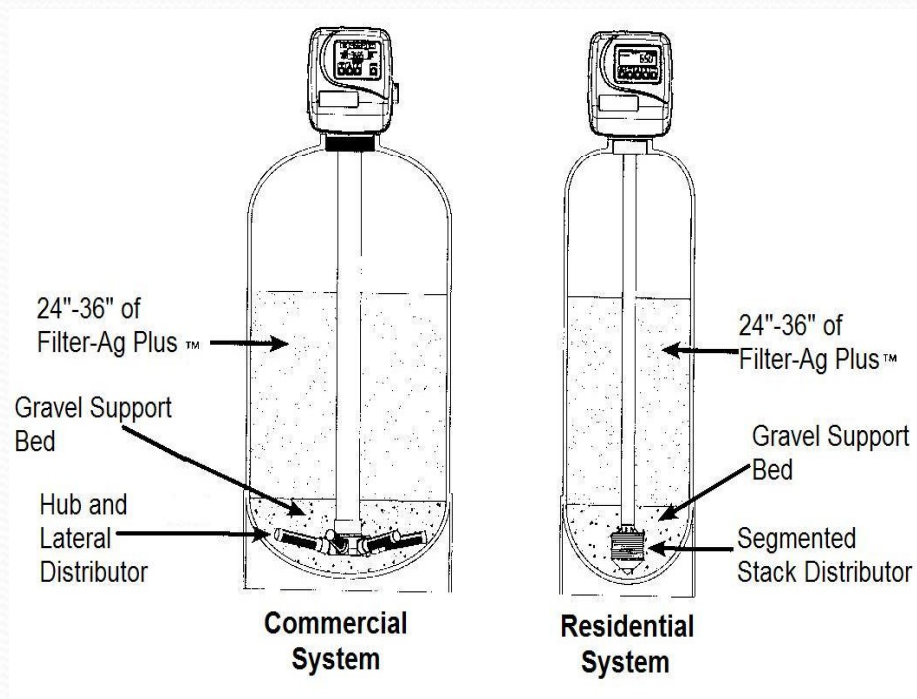
# Automatic Backwashing Control valves



- Whole House Water Treatment Systems
- The control valve is fitted onto a round FRP tank (either 10" x 54" high or 12" x 52" high) filled with Filter-Ag Plus media to correct the water problems associated with surface water.
- The system is installed between the pump and a water storage tank or the house to deliver dramatically cleaner water, more acceptable for domestic use.

# Installation Recommendations

Before putting Filter-Ag Plus filter into service follow these recommended instructions or contact the original equipment supplier.

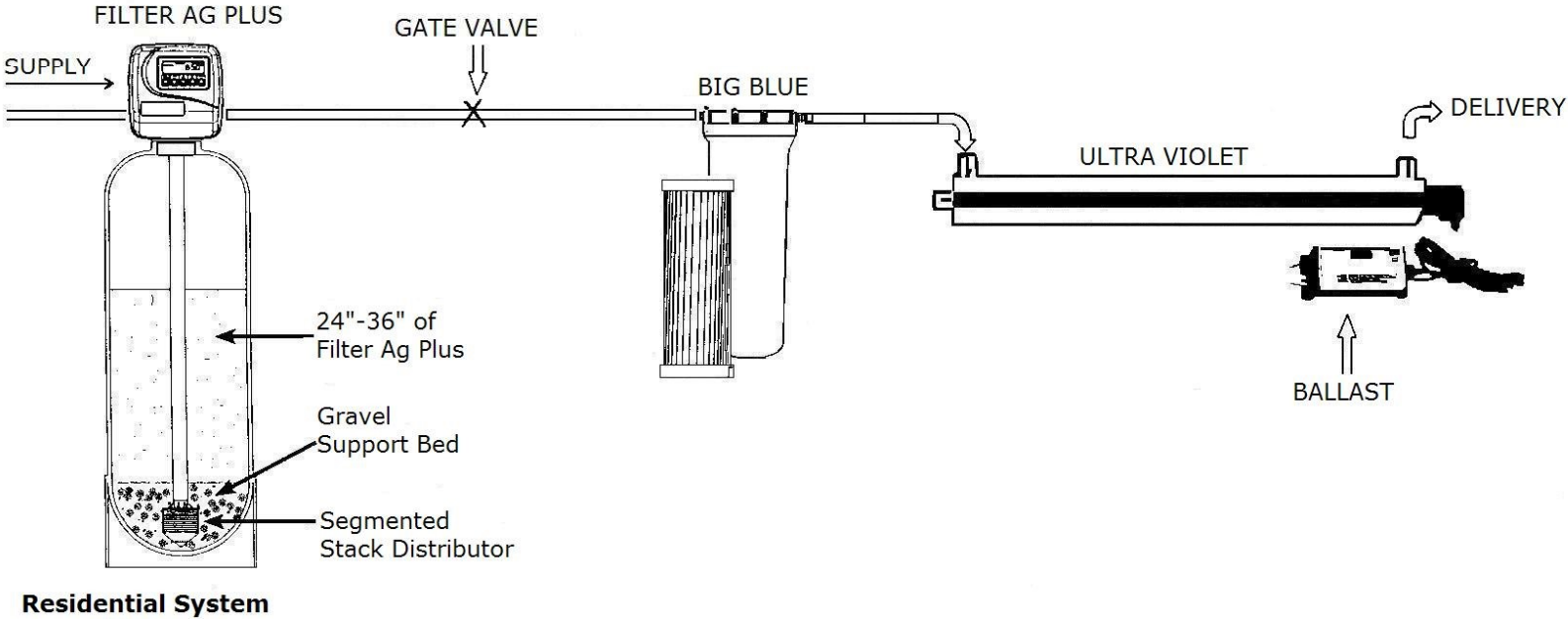


- Slowly fill tank with filter valve in the backwash position until water flows to drain.
- Backwash at 15 to 20 gpm/sq.ft. for 5 minutes.
- Let material settle for 5 minutes.
- Repeat backwash and settle steps for a total of 3 times.
- Put the filter to service.

**Note:** For best results allow Filter-Ag Plus to sit submerged in water for a minimum of 12 hours prior to following the above procedure and prior to putting the filter to service. A gravel support bed is required.

# Installation Sequence

**INSTALLATION SEQUENCE**  
**FOR**  
**FILTER AG PLUS – BIG BLUE - ULTRAVIOLET**



The logo for Sue Kelly Water Systems Ltd features the name 'Sue Kelly' in a large, black, cursive script font. Below it, 'Water Systems Ltd' is written in a smaller, black, sans-serif font. The entire logo is centered within a white rectangular box.

# Sue Kelly Water Systems Ltd

- For further information please contact:
- Sue Kelly
- Free phone: 0800 177 000
- Email: [sue@suekelly.co.nz](mailto:sue@suekelly.co.nz)

## Clients Comments:

'Dear Sue, Since we have changed the media in the automatic backwashing system, the water coming into the house is so much better, much cleaner. The water in the stock race has been particularly bad – really dirty, but the new granules are getting it cleaner than before. Many thanks'.

**SK Ashburton**

'We have had water treatment systems installed and maintained by Sue Kelly Water Systems Ltd since Aug 2005, when we moved up from Southland. Needing to take household water from a stock water creek was a shock to us but with the units installed, the water to the house has been clean, clear and safe to drink and we continue to be very happy and would be delighted to recommend Sue to anyone with water problems'

**A&K, Ashburton**