

# FILTRATION MEDIA



## FILTER-AG® FILTRATION MEDIA PARTICULATE REDUCTION MEDIA

**Filter-Ag (P/N Filter-Ag)** is a very efficient filter medium for the removal of suspended material and turbidity. Less pressure loss and finer filtration is possible because of its light weight and irregular surface characteristics. Filter-Ag granules have irregular surface characteristics affording maximum removal of suspended matter throughout the filter bed. Filter-Ag can be applied to systems designed for either pressure or gravity flow.

Filter-Ag has many outstanding advantages over the more common granular filter media used for suspended solids removal. A substantial savings can be realized with Filter-Ag because equipment can be smaller, requiring less square footage. Filter-Ag is a lightweight substance which means additional savings in backwash rates. Filter-Ag typically removes the normal suspended solids, down to the 20 to 40 micron range.

### FEATURES

- Larger particle size creates less pressure loss, higher sediment loading, and longer filter runs
- Light weight provides lower backwash rates and better bed expansion
- High sediment reduction capacity
- High service rates result in lower equipment costs
- Certified to NSF/ANSI/CAN Standard 61

### NOT FOR INSTALLATION IN CALIFORNIA

This information has been gathered from standard materials and or test data that is believed to be accurate and reliable. Nothing herein shall be determined to be a warranty or representation expressed or implied with respect to the use of such information or the use of the goods described for any particular purpose alone or in combination with other goods or processes, or that their use does not conflict with existing patent rights. No license is granted to practice any patented invention. It is solely for your consideration, investigation and verification.

Filter-Ag® is a registered trademark of Clack Corporation.

### Physical Properties

|                             |                          |
|-----------------------------|--------------------------|
| Color.....                  | Light gray to near white |
| Bulk Density.....           | 24 to 26 lb per cu.ft.   |
| Effective Size .....        | 0.67 mm                  |
| Uniformity Coefficient..... | 2.1 ± 0.1                |
| Hardness (Mohs scale).....  | 6                        |
| Mesh Size .....             | 10 x 34                  |
| Specific Gravity .....      | 2.25 gm per cc           |

### Conditions for Operation

|                              |                          |
|------------------------------|--------------------------|
| pH.....                      | Wide range               |
| Maximum Temperature .....    | 140°F (60°C)             |
| Bed Depth.....               | 24 to 36 inches          |
| Freeboard .....              | 50% of bed depth minimum |
| Service Flow Rate .....      | 5 gpm per sq.ft.         |
| Backwash Flow Rate .....     | 8 to 10 gpm per sq.ft.   |
| Backwash Bed Expansion ..... | 20 to 40% of bed depth   |

NOTE: Upon installation allow bed to soak overnight before backwashing

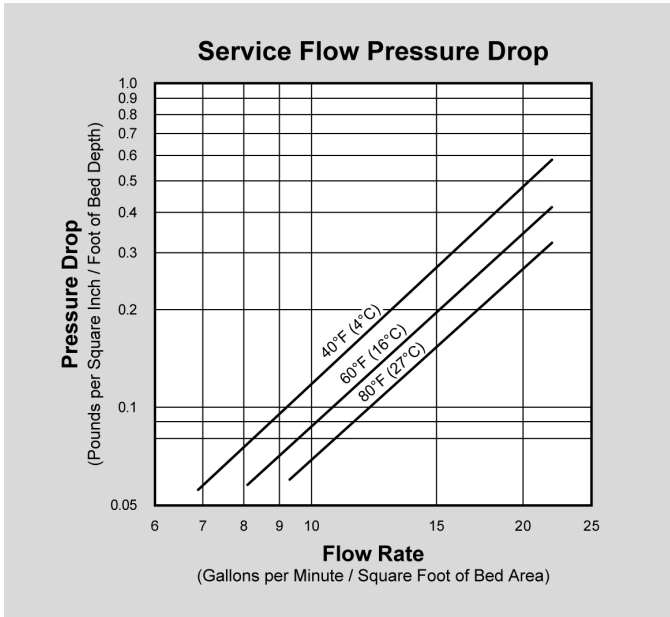
### Packaging

1 cu.ft. bags (25 lb net weight)  
70 bags per pallet (1,800 lb net weight)

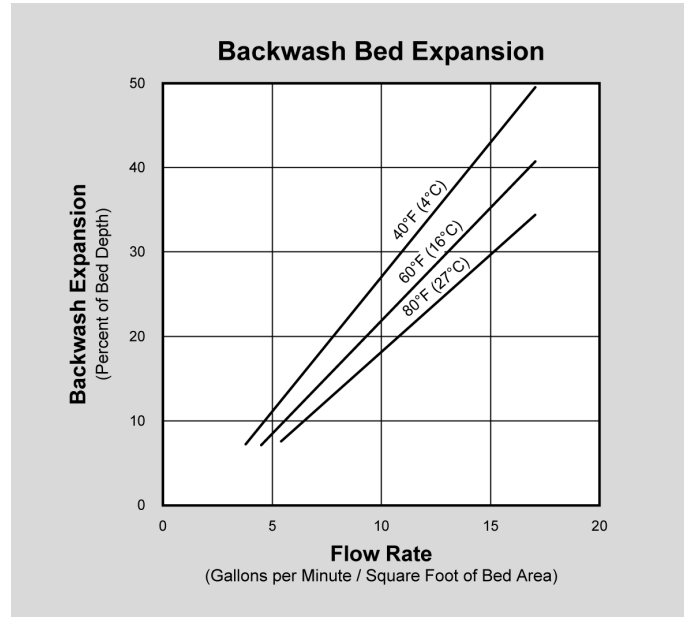
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**PRESSURE DROP** — The graph above shows the expected pressure loss per foot of bed depth as a function of flow rate at various temperatures.



**BACKWASH** — The graph above shows the expansion characteristics as a function of flow rate at various temperatures.

CALIFORNIA PROPOSITION 65 WARNING: This product can expose you to crystalline silica and quartz, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).