

# 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

### 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)

### NOT FOR INSTALLATION IN CALIFORNIA

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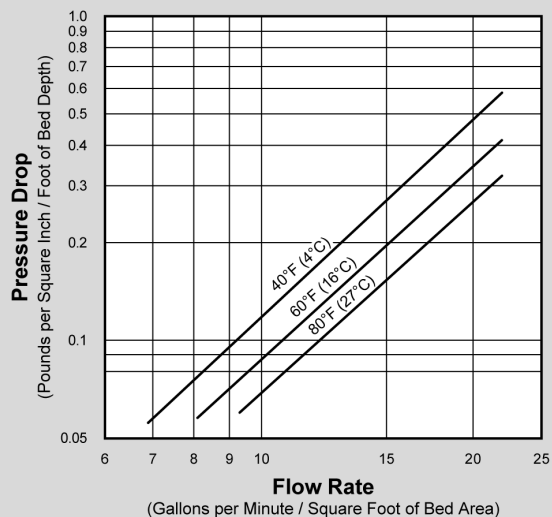
Filter-Ag® is a registered trademark of Clack Corporation.

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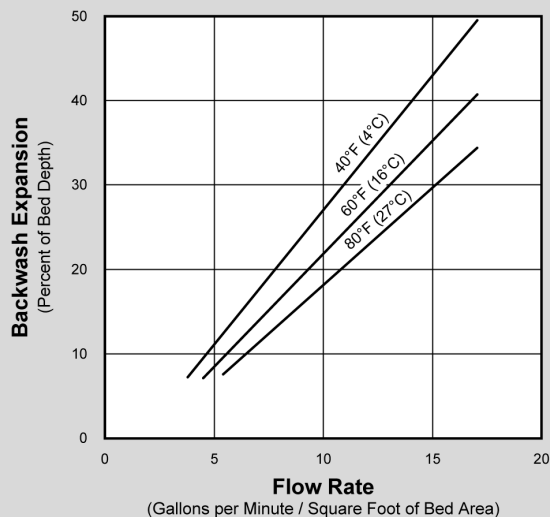
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**Service Flow Pressure Drop**



**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 Bed Expansion**



**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).