



Heavy Duty-Chemical Free Problem Water Filtration



PLUMBING:

Inlet/Outlet Pipe Size	3/4" to 1.25" NPS or BSPT
Drain Line Connection	U.S. (3/4" Male NPT or 5/8" OD x 1/2" ID Poly Tube) International (15.875mm x 12.7mm)

ELECTRICAL

	U.S.	International
Supply Voltage	120V AC	230V AC
Supply Frequency	60 Hz	50 Hz
Output Voltage	12V AC	12V AC
Output Current	500 mA	500 mA

OPERATING PRESSURE

Minimum	Maximum
20 psi (138kPA or 1.4 bar)	125 psi (862kPA or 8.6 bar)

OPERATING TEMPERATURE

Minimum	Maximum
40°F (4.4°C)	100°F (43.3°C)

Tank Sizes (2 per system)

10"x54"

Overall Height

62"

*Maximum Service Flow Rate

6.0 GPM/22.7 LPM

**Backwash Flow Rate

5.0 GPM/18.9 LPM

*The Maximum Service Flow Rate is based on the time required for optimum contact with the media used for contaminant removal. Higher flow rates can be achieved through this filter while reducing the effective filtration value.

**Backwash rate is the minimum required flow to clean the media bed. The well pump flow rate should equal or be greater than the backwash flow rate.

Recommended Contaminant Limits:

- pH -----6.8 – 9.0 Effective value range
- *Iron-----10 ppm Maximum in the Ferrous and Ferric form.
- Hydrogen Sulfide-----10 ppm Maximum
- Manganese-----2.0 ppm Maximum
- **Tannins or Lignins-----2.0 ppm Maximum
- Chlorine-----1.0 ppm Maximum
- Oil-----0.0 ppm None Present in water supply

*Ferrous and Ferric are removed when the pH is below 8.5. Colloidal iron may be present at higher pH levels and will pass through the filter media. Bacterial iron cannot be removed and may foul this system. Chemical or other methods should be used when Bacterial iron is present.

**Organic matter above this level may reduce the effective operation of this filter.

Entek's Dual Tank Water Filtration System

Conventional water treatment solutions for the contaminants listed above require filters, chemical feed pumps and large bulky retention tanks that utilize messy, dangerous environmentally un-friendly chemicals.

Entek's system utilizes a unique dual tank and control valve combination developed with over 40 years of practical field experience in treating problem water conditions caused by these containments. The unique air chambered and filter bed tank combination employ several time tested technologies including heavy oxidation and mechanical filtration. The dual control valves utilize Entek's exclusive simplified microprocessor technology providing unparallel reliability.

All Entek control valves, by-pass valves and pressure vessels have been tested by the Water Quality Association (WQA) Laboratories to NSF/ANSI-44 standards.