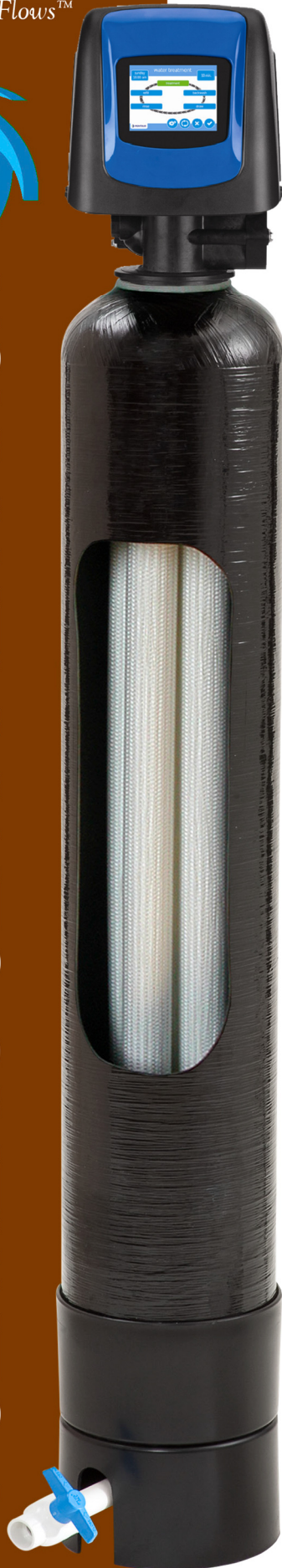




# POLYMERIC ULTRAFILTRATION



## TECHNOLOGY THAT IS EASY TO UNDERSTAND

Water Savings. Environmentally Friendly. Innovative Design. ENPRESS LLC,® introduces its Polymeric Ultrafiltration (Poly-UF) Vessel system. The ENPRESS Poly-UF offers 0.02 micron filtration at service flow rates up to 12gpm, just another tool in the water treatment tool box. Another example of the innovative thinking you've come to expect from ENPRESS.

Utilizing ENPRESS' patented and industry exclusive liner design, the internal UF module treats colloids, bacteria, cysts, viruses, turbidity, tannins, and other particles down to 0.02 micron size. The backwashable system, allows for multiple standard 2.5" top inlet connections, from standard backwashable control valves to in/out heads. The high surface area UF bundles require normal line pressure to operate, low waste discharge when in backwash/cleaning mode, and offer low pressure drop with high service flow rates.

The ENPRESS Poly-UF can be utilized as a final polishing stage or on water reclamation systems for Rainwater or Grey water, along with offering protection during power outages and intermittent power. The membrane is NSF 61 certified, and the system is BioVir certified and tested for log reduction. The vessel also comes standard with a bottom drain opening for ease of drainage and cleaning purposes of the tank system. Technology that is easy to understand and use, another innovation from ENPRESS.

### Specification:

- 0.02 micron.
- Operating Temperature: 35 to 100 degrees F.
  - Operation Pressure: 10 to 100 psi.
  - Continuous Flow Rate: 10 GPM.
- Peak Flow 12 gpm at 25 C and 60 psi.
  - Membrane is NSF 61 Certified.
  - Raw Water Specification:
    - Pre-filtration: 5 microns or less.
- Chlorine: 1 ppm maximum (up to 2000 ppm for cleaning only).
  - Iron: Less than .3 ppt.
  - Manganese: Less than .05 ppm.
  - Silt Density Index: Less than 6.0
  - pH: 3 to 11.
- Pressure Decay Test (PDT) is required upon installation.

### TECHNICAL INFORMATION:

- Backflush: Once per day (5 minutes at 0.7 to 2 gpm).
- Drain Flush: Once per week (2 minutes at 5 gpm).
- Continuous flow at 10 gpm filtration at 0.02 microns.
  - 4.4 log reduction of Bacteria
  - 2.4 log reduction of Virus
  - 2.0 log (est) reduction of Cyst.
  - 100,000 MWC

\*This product is not certified as a microbiological purifier and should not be applied as a stand-alone disinfection solution for microbiologically unsafe water.