



KOCH MEMBRANE SYSTEMS INC

**Municipal Water Ultrafiltration System for Small Communities
Introduced at AWWA Expo**

Wilmington, MA (June 15, 2003) Small communities now can have the same water quality with the same economies usually found only in larger metropolitan water systems with the introduction of the new, compact, HF-4 hollow fiber ultrafiltration (UF) water system from Koch Membrane Systems, Inc.

The HF-4 removes pathogens and turbidity from surface water. The ultrafiltration membranes in the HF-4, having a nominal molecular weight cut-off of 100,000, are capable of 4-log removal or better, for giardia, cryptosporidium, and viruses. With proper pretreatment, the HF-4 also can remove iron and manganese, improving the color and taste of water.

As a stand alone, self-contained, fully automatic system, the HF-4 is ideal for unattended operation. It was engineered by Koch Membrane Systems to minimize operator involvement and operating costs. Its compact design needs only a small footprint, allowing communities with today's budget constraints to benefit from reduced construction costs.

The HF-4 can be configured with up to four standard 8-inch diameter by 48-inch long pressurized cartridges. Depending on feed water quality, and quantity of cartridges, product water capacity of the HF-4 can range from 20 to 65 GPM.

All necessary components for system operation are built into the stand alone HF-4, including a backflush package, cleaning (CIP) package, and control panel with programmed PLC, plus all basic piping, valves, and instrumentation. Several options are available, including an automatic prefilter. The HF-4 is SCADA compatible for the remote supervision of data logging.

The state-of-the-art ultrafiltration membrane technology built into the HF-4 by Koch Membrane Systems delivers cost effective compliance with the requirements of the Safe Drinking Water Act.

Koch Membrane Systems has been a global leader creating innovative membrane technology for more than 40 years. For more information on Koch Membrane Systems visit www.kochmembrane.com.