

# Leopold® FilterWorx™ Automatic Control System



**Filter Controls By The People  
Who Know Filters**





Behind every FilterWorx ACS installation is more than 75 years of Leopold filter and filter control experience. We know filters and how to control them.



FilterWorx ACS is state of the art and flexible. It can be your filter plant SCADA or it can easily be integrated into your existing SCADA.

*The FilterWorx™ Automatic Control System by Leopold is a complete filter control package consisting of all instrumentation and control equipment for the automatic monitoring and control of municipal water filtration systems. FilterWorx ACS delivers the efficiencies and economies so necessary for today's municipal water filtration systems, and the 75 years of filter process and control knowledge you can get only from Leopold.*

### **Precise Operation for Optimum Filter Performance**

FilterWorx ACS is designed to keep a constant watch on the essential parameters of the processes in your filter plant. It continuously monitors effluent water quality to ensure that it meets regulatory requirements. It continuously monitors the condition of the filter media to ensure optimum filtration. And FilterWorx ACS automatically adjusts flow rates to compensate for customer demand changes.

In addition, FilterWorx ACS can function as your filter plant SCADA system and features standard communications protocols that allow easy integration into most other plant DCS and SCADA systems.

### **Reduced Operating and Maintenance Costs**

By continuously monitoring water quality and filter condition, FilterWorx ACS can automatically initiate and control the backwash sequence. This means the filter is cleaned when it needs to be cleaned — as frequently or infrequently as changing conditions require, and as long as necessary to clean the media. Filter run times and product quality are optimized at the lowest possible cost. And by keeping the filter media well-conditioned, FilterWorx ACS can lengthen the life of the filter.

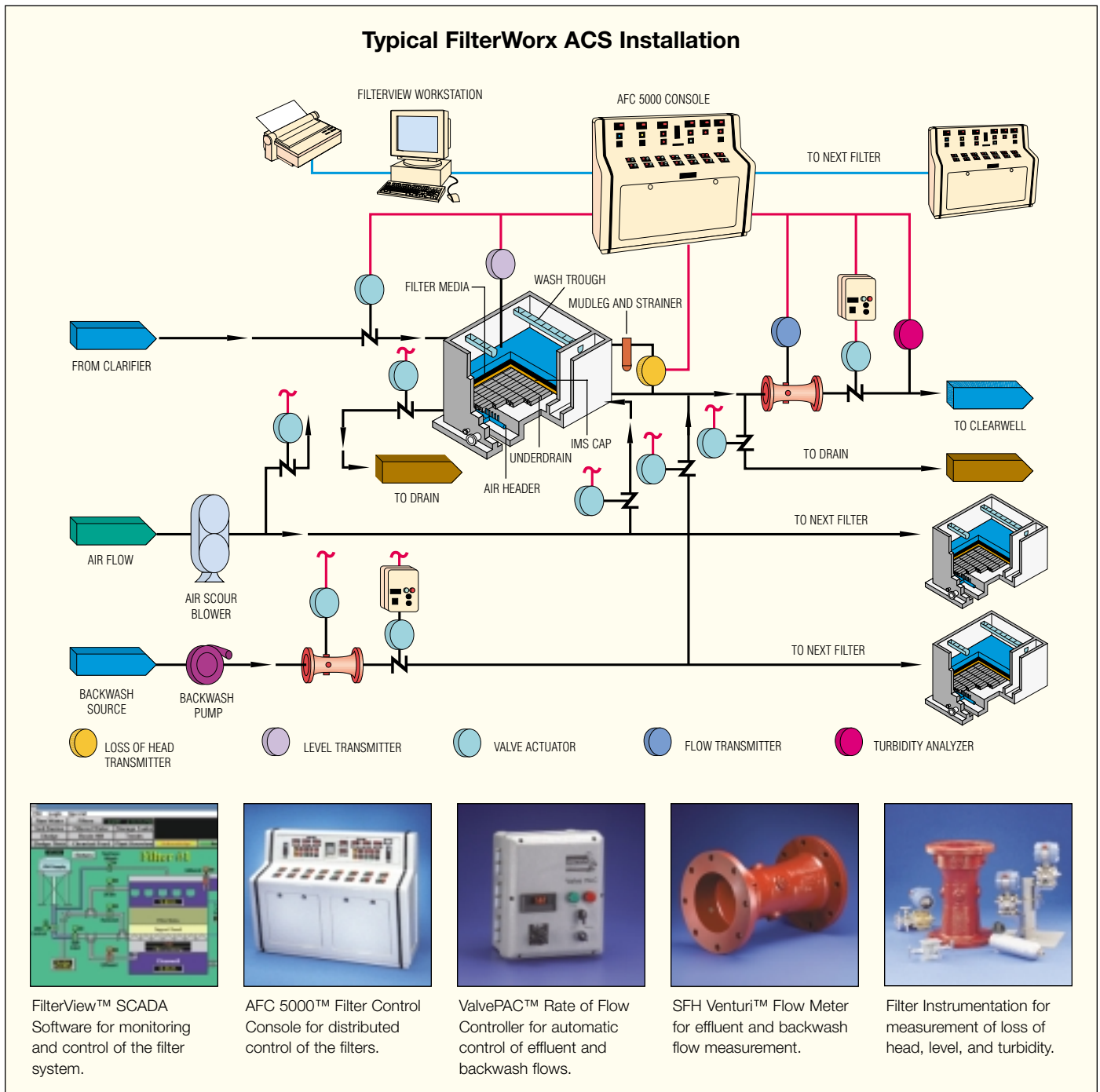
FilterWorx ACS is also designed to control flow rate changes and automatically sequence equipment properly to avoid surges and potentially disastrous upsets which can damage your system and cost you money.

## The Value of Leopold Experience and Expertise

For a process control system to be effective, it has to be trusted by the operators. All too often a system is designed and installed only to be bypassed little by little when it doesn't perform the way it should.

That's when problems occur... problems that can cost you time *and* money. So the first price you pay for your filter control system may not be your last.

Not so with FilterWorx ACS. Leopold knows filters and how to control them. We work to prevent problems from occurring in the first place by carefully consulting with the design engineer and operator to understand the requirements of the filter plant and deliver a system that performs the way it's expected based on our 75 years of filter and filter control experience and expertise.



## More Than Just a Filter Control System

When you specify and purchase FilterWorx ACS for your filter plant, you get more than a control system. You get single-source responsibility for the entire filter process.

- Supply and integration of all instrumentation, control equipment, and software.
- Software engineering and programming.
- Engineering and integration of communication systems.
- Fabrication of equipment cabinets, panels, and consoles.
- Drawings, operating and maintenance manuals, production manuals.
- User training and training materials.
- Installation and installation supervision.
- Start-up and commissioning.

- Warranty service, field service, and factory repair.

## The Leopold Filter System Advantage

Leopold has assembled an array of technologies for engineering and delivering a complete water filter for virtually any filter design, virtually any performance requirements. Our FilterWorx Automatic Control System is just one of those technologies. When Leopold designs and engineers FilterWorx ACS as part of a total Leopold filter package, we can assure guaranteed filter performance and process results.

## Call the Filter and Filter Control Experts

Product data sheets are available for all instrumentation and control equipment components of FilterWorx ACS. For product data sheets or for answers to any of your questions about FilterWorx ACS and the automatic monitoring and control of your filter system, call us at (724) 452-6300. Let us show you how FilterWorx ACS and Leopold filter and filter control expertise make a difference.



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**Insure quality, specify Leopold as your single source for:**

- Filter Equipment
- Instrumentation
- Pre-Engineered Systems
- Fiberglass Products
- Clarification
- Filter Media
- Filter Controls
- Service
- Filter Rehabilitation