

**ASCO**  
**NUMATICS™**



# **Fluid Automation Solutions**

for Water and Wastewater

[www.asconumatics.com](http://www.asconumatics.com)

  
**EMERSON™**  
Industrial Automation



*ASCO Numatics offers renowned reliability and performance for fluid automation in water and wastewater treatment. Ideal for new, replacement, or upgrade installations, our products are the choice of specifiers and users worldwide.*

## Presenting ASCO Numatics solutions

### Deep expertise in water and wastewater

Our products have given ultrareliable service in treatment plants across North America for more than 50 years. Whether it's solenoid valves, cylinders, sensors, switches, or other fluid automation devices, trust ASCO Numatics.

We're a key supplier for OEMs, engineering contractors, valve assemblers, and end users seeking dependable treatment of potable water and wastewater.

### The recommended choice

ASCO Numatics is the favored source for new plants, since our market-leading products require a much lower capital investment than electric motors. ASCO Numatics is also the industry's number one choice when upgrades for solenoid valves or manifold-mount valves are required.

Finally, operations that use water to control valve actuation find that ASCO provides proven material compatibility with water-driven systems.

### The right applications

In places where a single point of failure could shut down an entire operation, we provide the most dependable performance and longest life, at competitive prices. For example, ASCO general purpose solenoid valves supply unequalled water seal control for sludge transfer pumps. And Numatics valve manifolds furnish clean, reliable service in filter control units for potable water purification.

Apply ASCO Numatics products in applications such as:

- Air flow
- Aeration blower cooling
- Chemicals
- Reservoir pumps
- Water seals
- Filters

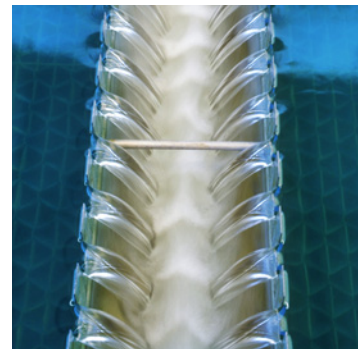
### The best benefits

**Rock-solid reliability.** The coils in ASCO solenoid valves last longer than the competition's. That's only one example of how our unequalled designs, manufacturing, and quality assurance contribute to unsurpassed performance and service life.

**Exceptional availability.** Our global distribution network ensures that nobody offers faster delivery or replacement. Many products are available via the ASCO Today and 5-Day shipping programs. Plus a wide selection of Numatics cylinders come with guaranteed 2-day shipping via the Numatics Express program.

**Widest range.** ASCO Numatics offers the industry's most comprehensive array of fluid automation products. We've got the pipe size, pressure rating, electrical enclosure, or corrosion resistance you need. And when a competitor's product needs replacing, consider us your one-stop provider.

**Superior support.** When you need help, we respond — fast. Our experienced distributors and sales force can be reached via phone, e-mail, or onsite visits for unequalled responsiveness. So ASCO Numatics can deliver the best technical support and service in the business.





### ASCO Pressure & Temperature Switches

In critical applications such as blowers, when your process water reaches a pressure or temperature set point, our transducer triggers a mechanical snap switch, resetting only when conditions satisfy the dead band. Options include miniature to industrial switch sizes, fixed or adjustable dead band, and a wide range of set points: pressures from vacuum to 8000 psi, and temperatures from -60°F to 640°F (-51°C to 337°C).



### ASCO Pressure Sensors

These high-quality components signal when your process medium reaches given pressure or level set points. Boasting both long-life designs and ensured repeatability, these sensors are indispensable wherever you need to measure water pressure throughout the process.



### Fittings & Accessories

Our versatile selection of push-to-connect fittings provides instant connections and seals to help maintain optimum flow. Other high-reliability accessories include NPTF/inch tube fittings, metric fittings, metering valves, check valves, inline and right angle flow controls, and assorted brass fittings. They're recommended everywhere from airflow control panels to air vent shutters.



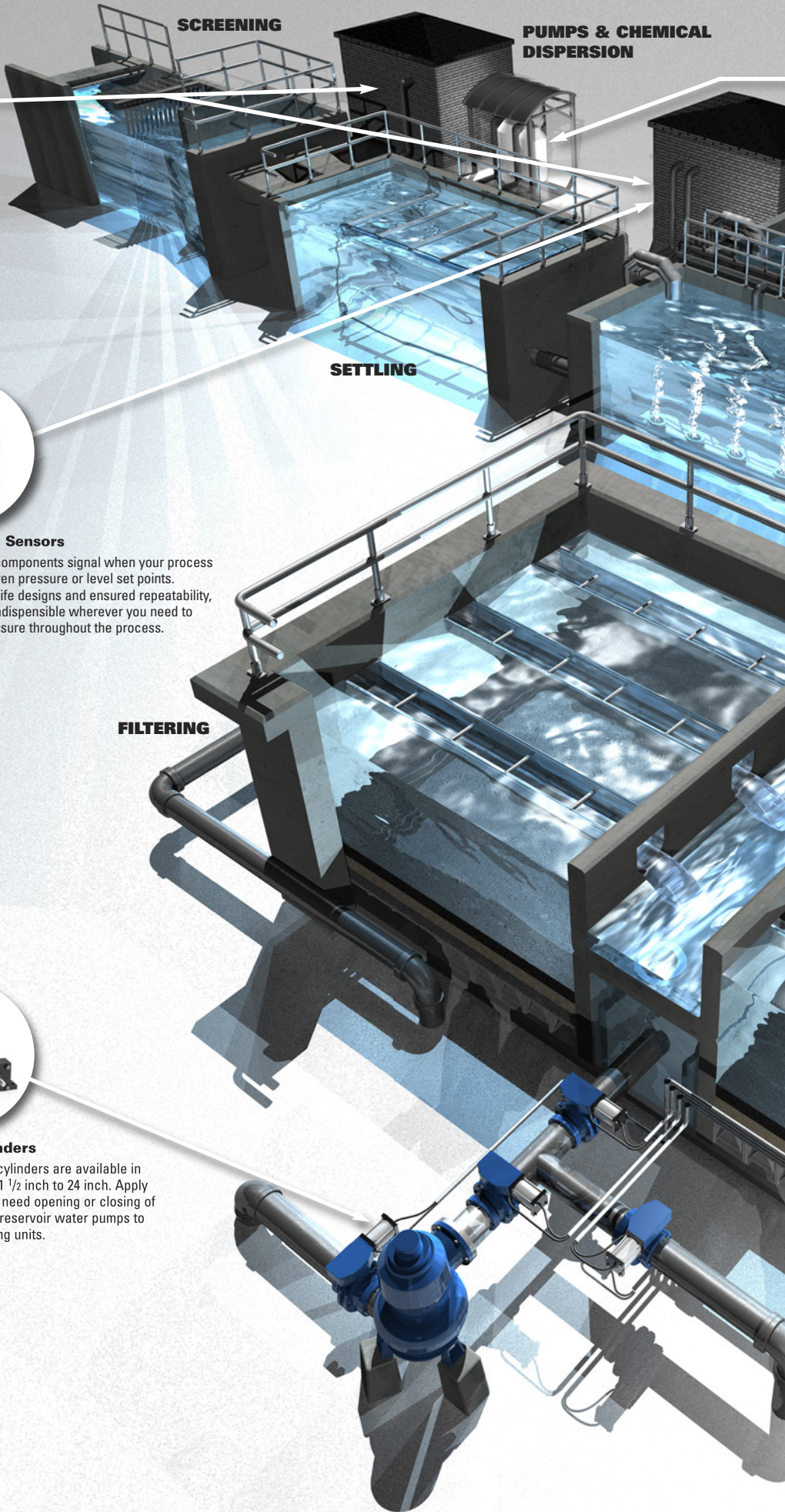
### Numatics Cylinders

These high-quality cylinders are available in 17 bore sizes, from 1 1/2 inch to 24 inch. Apply them wherever you need opening or closing of large orifices, from reservoir water pumps to filter control/cleaning units.



### ASCO Combustion Valves

Choose from the industry's broadest line of solenoid and electrohydraulic fuel gas, and oil shutoff valves. They are ideal for applications such as fuel burners used in disposal of solid waste. Some models combine extremely high flows with compact designs for economical fuel train downsizing.



**PUMPING  
& BLOWERS**

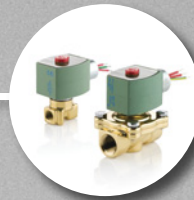
**AERATION**

**SLUDGE  
PUMPING**

**CLARIFYING**

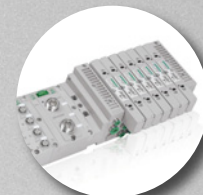
**ASCO General Purpose Solenoid Valves**

The proven technology of the industry's widest range of solenoid valves delivers highly dependable operation for both two-way and on-off process valves. Our valves are ideal for a wide variety of potable water and wastewater treatment applications, from chemical control systems to water seal controls on sludge pumps.



**Numatics FRLs**

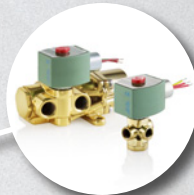
Our modular filter regulators and lubricators control pressure and meet or exceed filtration requirements for your plant's pneumatic equipment. These high-performance products are available in multiple configurations, including electronic regulators.



**Numatics Valve Manifolds**

This product line features three-way and four-way valve manifolds (with optional sandwich regulators, speed controls, and shut-off blocks); they are used to pilot the sanitary process valves in your installation. Fieldbus manifolds have integrated modular digital & analog I/O capability that can be used in centralized or distributed configurations depending on your application needs. We offer discrete wired and direct to PLC models, as well as the widest variety of fieldbus protocols — including EtherNet/IP, Modbus™ TCP, AS-Interface®, DeviceNet™, DeviceLogix™, PROFIBUS®-DP, and now FOUNDATION fieldbus™.

Modbus is a trademark of Schneider Automation.  
AS-Interface is a registered trademark of AS-International.  
DeviceNet is a trademark of ODVA.  
DeviceLogix is a trademark of Rockwell Automation.  
PROFIBUS is a registered trademark of Profibus International.  
FOUNDATION fieldbus is a trademark of Fieldbus Foundation.



**ASCO Solenoid Pilot Valves**

These ultra-reliable products include advantages such as low power, manual operators, high flows, and explosion-proof ratings. They're designed to operate at high cycles or for long periods of dormancy. Our three-way and four-way models provide ensured action to drive actuators and process valves in the demanding air- or water-driven applications where you need them most. For example, our pilot valves furnish excellent control of aeration, filtration, and backwash. They also control butterfly and ball valves used to prevent backflow damage to turbine blades when pump distribution stops.



## The assurance of leadership

ASCO Numatics, a division of Emerson, offers comprehensive fluid automation solutions, including flow control and pneumatics products, for a wide range of industry-focused applications. The ASCO Numatics line comprises more than 50,000 valves, an extensive selection of air preparation equipment, and a comprehensive line of motion control products. The company is the world's leading manufacturer of solenoid valves.

Emerson (NYSE: EMR), based in St. Louis, Missouri, U.S.A., is a global leader in bringing technology and engineering together to create innovative solutions for customers through its network power, process management, industrial automation, climate technologies, and appliance and tools businesses. Sales in fiscal 2009 were \$20.9 billion.

**There are good reasons why our brand reputation is second to none.  
For the most reliable automation in the water and wastewater  
world, call ASCO Numatics today!**

## Global Contacts

[www.asconumatics.com](http://www.asconumatics.com)

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