ASCO


for Analytical and Medical Instrumentation

www.asco.com
Presenting ASCO Rapid Engineered Solutions

ASCO provides the fastest way to get valve samples and customized assemblies for your analytical and medical instrumentation. Your OEM engineers work directly with our product development engineers. No other valve supplier offers this level of service on this kind of schedule!

True customization. Turbocharged timelines.

ASCO’s unique Rapid Engineered Solutions assist in simplifying your fluidic path designs — to maximize efficiencies and reduce costs. With our in-house 3-D printing capabilities, we produce SLA models for fit testing. All our customizations are designed for manufacturability. And when required, you receive fully functional prototypes for beta testing. All in a matter of days — no more waiting months for a custom assembly!

The components you need. The assemblies you want.

For analytical and medical instruments, ASCO’s Rapid Engineered Solutions include all the components and accessories necessary to rapidly create customized valve and manifold assemblies. As needed, these can include:

> Pinch valves
> Isolation valves
> Proportional valves
> General purpose valves
> Manifolds
> Fittings
> Wire harness assemblies
> Filtration and regulator elements
> Sensors
All in a matter of days — no more waiting months for a custom assembly.

**In 2 DAYS**
You get sample valves and manifolds from our standard catalog offerings, hand-delivered by one of our sales experts.

**In 5 DAYS**
You will receive engineered valve samples to suit your application, with requested custom modifications including:
- Seal materials
- Flow & pressure ranges
- Power requirements
- Electrical connections
- Mounting configurations

**In 10 DAYS**
You obtain fully engineered solutions to simplify fluidic paths and allow turnkey installation. Custom manifold assemblies and modules are tailored to the requirements of your unique application.
Comprehensive applications

The results of this unique ASCO program: unbeatably fast response and precisely tailored solutions. These offerings are ideal for OEMs designing application-specific products, including:

> Clinical diagnostic instruments
> DNA sequencing and bioinstrumentation
> Hospital beds and therapeutic support surfaces
> Dental chairs and delivery systems
> Chromatographic analyzers
> Industrial liquid and gas monitoring instruments
> Patient monitoring devices
> Surgical fluid management instrumentation
> Sterilization equipment
> Oxygen therapy, respiratory, and ventilation devices

Exceptional benefits for OEMs

Analytical and medical instrumentation

OEMs use our Rapid Engineered Solutions to gain maximized competitive advantages:

> Shorter product development times
> Streamlined supply chains
> Simplified fluidic system designs
> Plug-and-play installation
> Enhanced reliability and quality
> Reduced complexity and cost
> Faster times to market
> Higher machine uptimes
> Lower maintenance costs
> Better patient care

Global leadership

About ASCO

ASCO, an Emerson company, offers comprehensive fluid automation solutions for a broad range of process and manufacturing industry applications. The company’s global scale increases speed to market, its deep expertise across applications transforms ideas into measurable outcomes, and its people create solutions that maximize efficiencies and optimize customer applications. ASCO’s fluid control and pneumatic product lines include a full range of solenoid valves, angle body piston valves, valve manifolds, cylinders, filters, regulators, lubricators, and a complete range of accessories. For more information, visit www.asco.com.

About Emerson

Emerson (NYSE: EMR), headquartered in St. Louis, Missouri (USA), is a global technology and engineering company providing innovative solutions for customers in industrial, commercial, and residential markets. Our Emerson Automation Solutions business helps process, hybrid, and discrete manufacturers maximize production, protect personnel and the environment while optimizing their energy and operating costs. Our Emerson Commercial and Residential Solutions business helps ensure human comfort and health, protect food quality and safety, advance energy efficiency, and create sustainable infrastructure. For more information, visit Emerson.com.
Customized Fluidic Solutions

Only ASCO supplies analytical and medical instrument OEMs with comprehensively customized fluidic solutions in as few as 10 business days. Build in simplified fluidic paths, maximized manufacturability, and reduced costs — so better products get to market faster.

The speedy choice for customized components to fit analytical and medical instruments

Design engineers for original equipment manufacturers (OEMs) face highly compressed timelines to accomplish new product development. In response, ASCO has successfully created and supplied customized fluidic solutions for OEMs in a wide range of industries for more than 20 years.

Now ASCO’s new Rapid Engineered Solutions program focuses on the unique need of analytical and medical instrument makers. The program creates miniature valves and fluidic assemblies customized to your exact needs, and delivers them at unprecedented speeds.

This unique program leverages the expertise and resources of ASCO’s Analytical & Medical team and its dedicated prototype labs in the Americas, Europe, and Asia. The team’s customized fluidic solutions are designed for quick and efficient manufacturing. Local technical support is provided by expert product specialists, trained in analytical and medical applications.

Unmatched capabilities

ASCO is your complete solution provider for value-added miniature valve assemblies and modules. The company’s unmatched resources allow true global manufacturing, sales, and technical support. On complex projects, our engineering expertise empowers close collaboration in developing solutions with OEMs. This enables rapid turnaround times as a given project speeds from design to 3-D modeling, prototyping to commercialization.

Our Analytical & Medical team’s in-house capabilities include additive manufacturing, diffusion-bonded manifolds, customized fittings, and electrical connections and wire harnesses for plug-and-play installation. Accordingly, 3-D printed assemblies can be rapidly produced to verify fit and functional prototypes for validation testing. Once an OEM’s instrument is released to production, ASCO’s engineered solution is manufactured in one of our three premier Class 8 equivalent clean rooms, to minimize contamination.

ASCO’s exceptionally reliable products are 100% factory-tested. Very low internal valve volumes also help to minimize cross-contamination and enable excellent flushability. Customers can specify optional power-saving functions for improved energy efficiency. And efficient designs allow maximum manufacturability.

“ASCO’s global engineering team worked closely with our design engineers to develop a highly customized assembly for our analytical instrument... all within an extremely accelerated time-line”