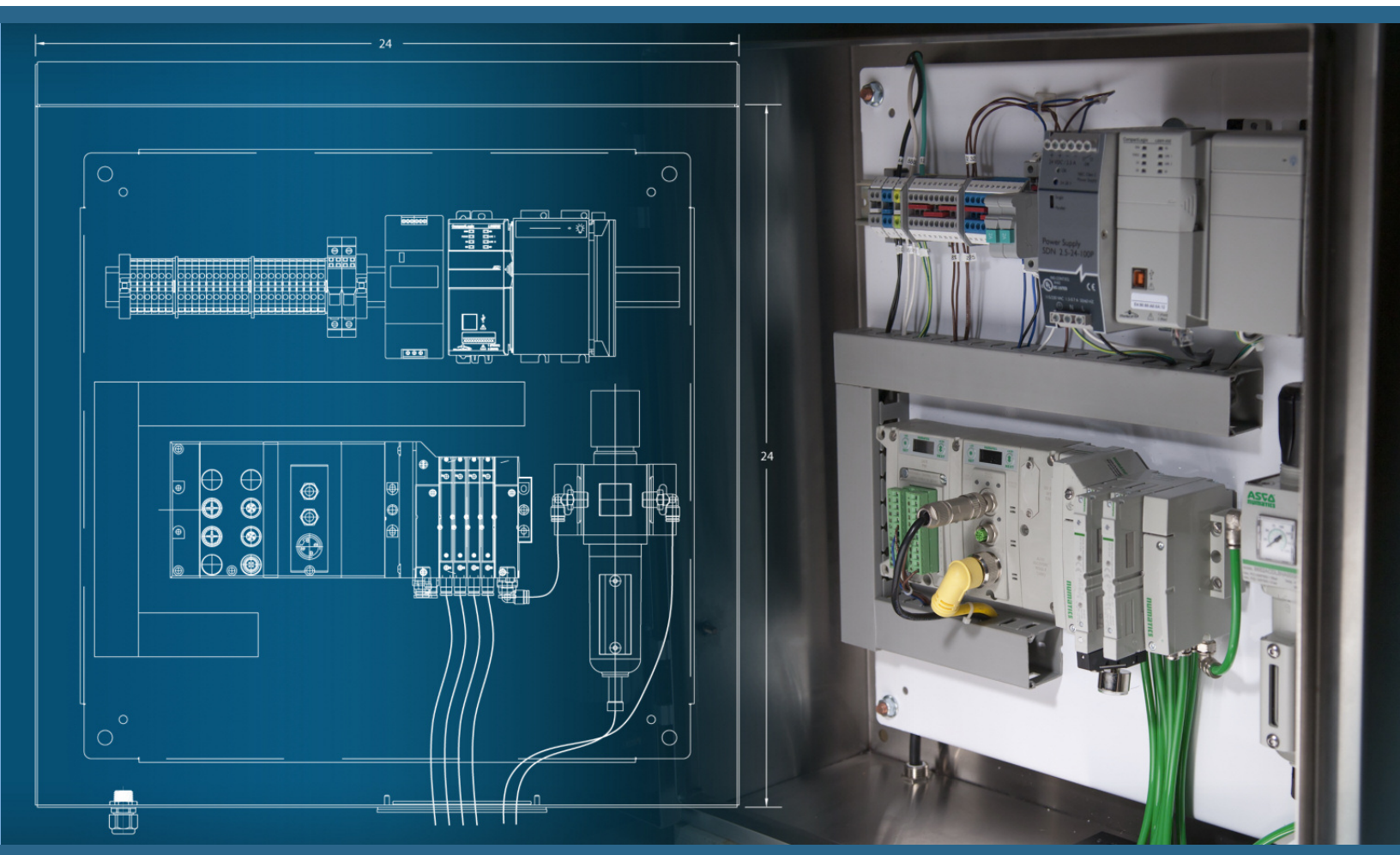




Integrated Enclosure Solutions



Fluid Automation. Right. Now.™



Integrated enclosure solutions from ASCO offer exceptional advantages for original equipment manufacturers (OEMs) and engineering services providers. Already engineered, assembled, tested, and ready to install, these customized packages of ASCO, ASCO Numatics, and Numatics products can maximize convenience, save costs, and provide superior performance

Presenting ASCO Integrated Enclosure Solutions

Customized control cabinets

A pneumatic integrated enclosure solution from ASCO greatly simplifies your fluid automation setup. You get an optimized assembly of electrical and pneumatic components, specifically designed to meet the needs of your unique application.

Each solution incorporates best-in-class products such as Numatics directional control valves, fieldbus electronics, cylinders, proportional products, ASCO Numatics filters/regulators/lubricators (FRLs), accessories, and ASCO fluid control valves. Along with PLC and electrical components, they are all arranged for maximum efficiency in a space-saving enclosure.

Leave it to us

Forget the trouble and expense of creating your own complex assemblies. Instead, simply tell us your requirements.

We begin with a stainless steel, composite, or other customer specified panel, and build in reliable, innovative products such as our ultra-high-flow directional control valves, fieldbus electronics with I/O technology, and modular air preparation products. Our U.S. factory team designs your solution, constructs it, and tests it — all to your specifications and schedule. Our modular designs allow drop-in replacement installation plus easy access to components and diagnostics. The entire package is supported by our first-class local field service.

Result: an optimized, engineered solution for your pilot valve control and other pneumatic automation needs.

Wide-ranging applications

These solutions are the right choice to control processing and general machine automation in applications such as:

- Biomedical and pharmaceutical
- Life sciences
- Food and beverage
- Dairy
- Petrochemical
- Water/wastewater
- Factory automation

Complete capabilities

Each turnkey, integrated solution is customized for your unique requirements. It can incorporate some or all of the following:

- **Comprehensive engineering services**
 - Concept/design/validation
 - CAD drawing provided to confirm compliance with your application requirements
 - Numasizing® Engineering Tool: to guide selection and optimization of pneumatic components
 - Build-to-blueprint construction: to match customer schematics
 - Value-added panel design: PLC integration, addition of power supply, terminal block, etc.
- **Advanced technology**
 - Highest quality; acknowledged innovation; proven reliability
 - Single-source provider; single purchase order
- **Superior support services**
 - Responsive, experienced technical experts
 - Nationwide support by local field service

Unequaled advantages

Our solutions cut costs and minimize downtime:

- Engineered, pre-assembled, tested offerings — ready to install
- Modular designs for drop-in replacement and turnkey installation
- Simplified layouts for efficiency and space savings
- Centralized maintenance and diagnostics
- Environmentally protected components

“They ask the right questions early enough in the project so that it doesn’t become a problem later. They try to understand what the upcoming workflow is going to be, so they can accommodate tight schedules.”

— C. J. Bagierek, vice president, automotive/industrial division

Each turnkey, integrated solution is customized for your unique requirements. It can incorporate some or all of the following:



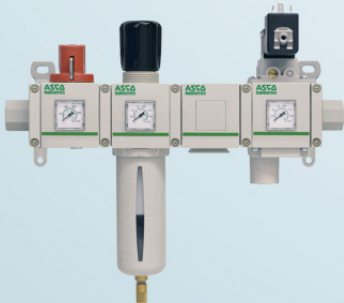
Take advantage of the 501 panel mount for easy panel layout.

- Connect directly to a panel and avoid custom machining and drilling for pneumatic connections reducing potential air leaks and simplifying maintenance
- Option to have tubing routed inside or outside the cabinet
- Stainless steel mounting plate optional for corrosive environments
- Pressure shut off designed to allow easy access when installed



Numatics G3 fieldbus electronics platform provides centralized or distributed valve and I/O architecture for maximum cost effectiveness.

- Reduces the number of terminal strips
- Eliminates I/O cards on the PLC
- Moving the I/O closer to the application reduces wiring and installation cost

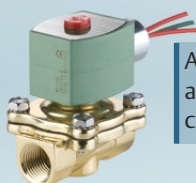


ASCO Numatics FRL series offer a complete range of modular easy-to-assemble air preparation products

- Several filtration options with an extensive selection of bowl types and drains
- Extended temperature range capabilities (-40 °F to 176 °F / -40°C-80 °C)
- Key lockable and tamper-proof options to use inside or outside the control cabinet



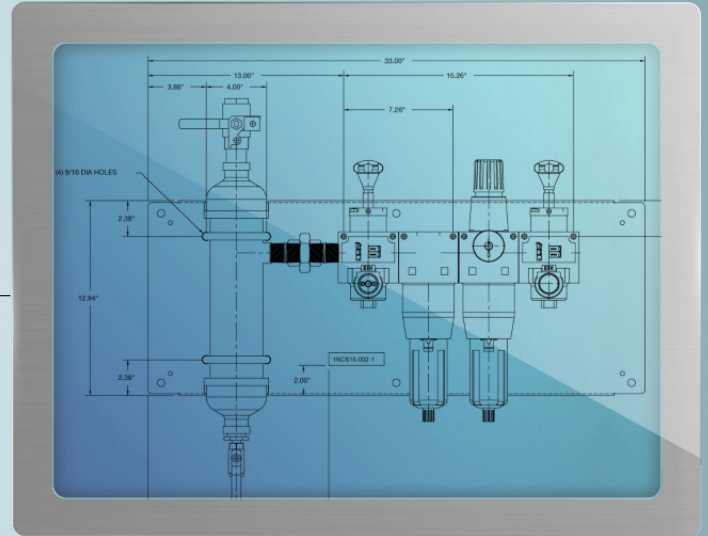
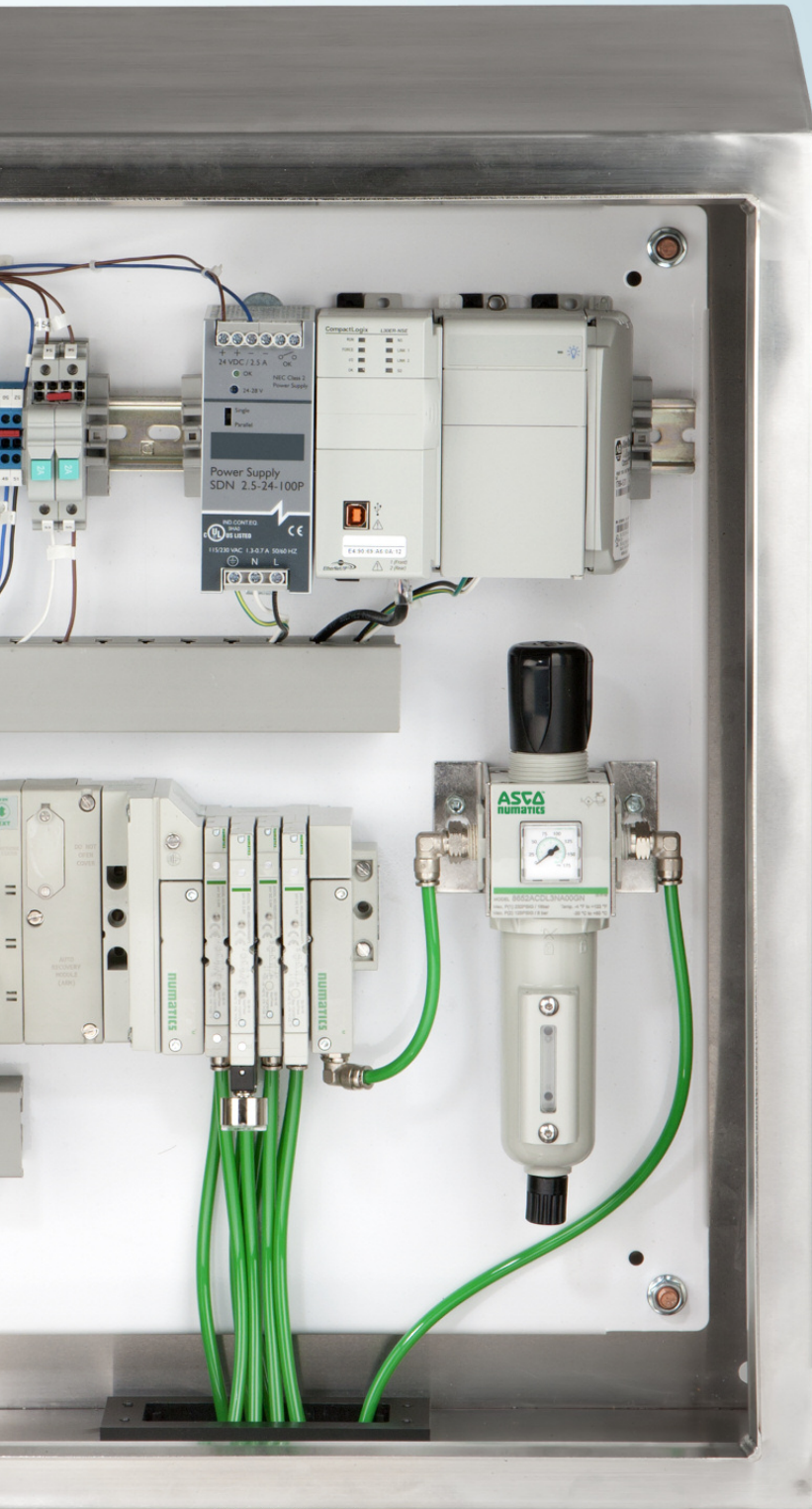
Fieldbus-controlled inline or manifold proportional valves. Fully customizable air pilot and direct-acting options are available to best suit your application.



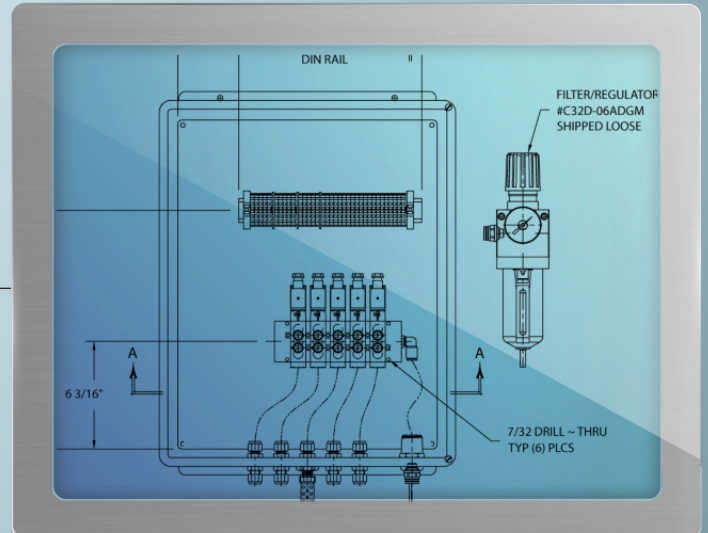
ASCO offers the widest range of solenoid valves available. They are ideal for any air and liquid flow control requirements.



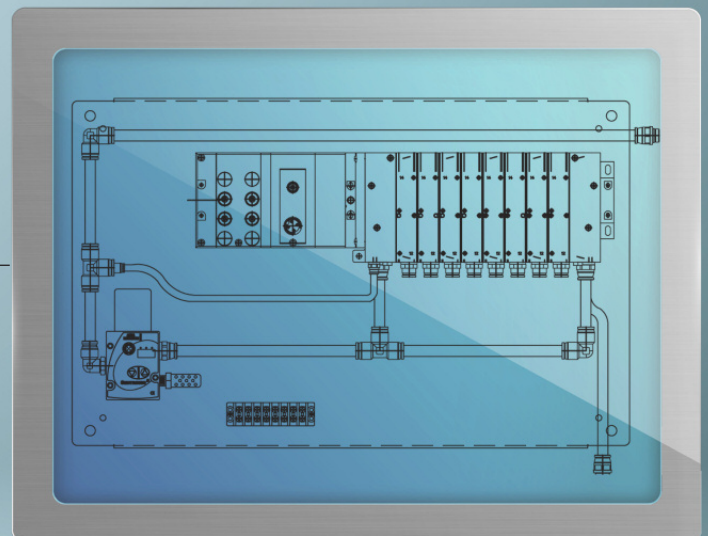
CAD Modeling — Build-to-blueprint construction to match customer schematics.



▲ Example | Air Preparation Panel Assembly - Pneumatic



▲ Example | Enclosure Solution - Electro-Pneumatic



▲ Example | Enclosure Solution - Electro-Pneumatic Enclosure with Fieldbus



ASCO Integrated Solutions offer a custom blend of fluid automation solutions designed to solve the unique needs of customers across a wide range of industries - backed by the comprehensive experience of a worldwide leader in fluid control and fluid power products.

Our customers agree

“A lot of time, I give ASCO the specs, and they will use the Numasize tool for me to make sure it’s sized properly for what I need ... It works out great. Airflow, pressure, how many cycles per hour – it’s all built into that program.”

— Chris Walker, project manager – piping industry

“The most important thing is that you understand your customer’s requirements and provide that service ... I’ve had very good success working with ASCO. I would rank them first in customer service in the valve board group.”

— C. J. Bagierek, vice president – automotive/industrial division

“I would – and will – buy ASCO again. And again. I would certainly recommend ASCO enclosure solutions to others.”

— Robert A. Leich, president – machine automation



To learn more about your custom integrated pneumatics solution, call ASCO today.
888-686-2842 or +1 248-596-3200

Global leadership

ASCO, an Emerson company, offers comprehensive solutions of fluid automation products 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.

Emerson (NYSE: EMR) is a diversified global manufacturing and technology company that offers a wide range of products and services in the industrial, commercial, and consumer markets through its Process Management, Industrial Automation, Network Power, Climate Technologies, and Commercial & Residential Solutions businesses. Recognized widely for its engineering capabilities and management excellence, Emerson has approximately 132,000 employees and 230 manufacturing locations worldwide.

Global Contacts

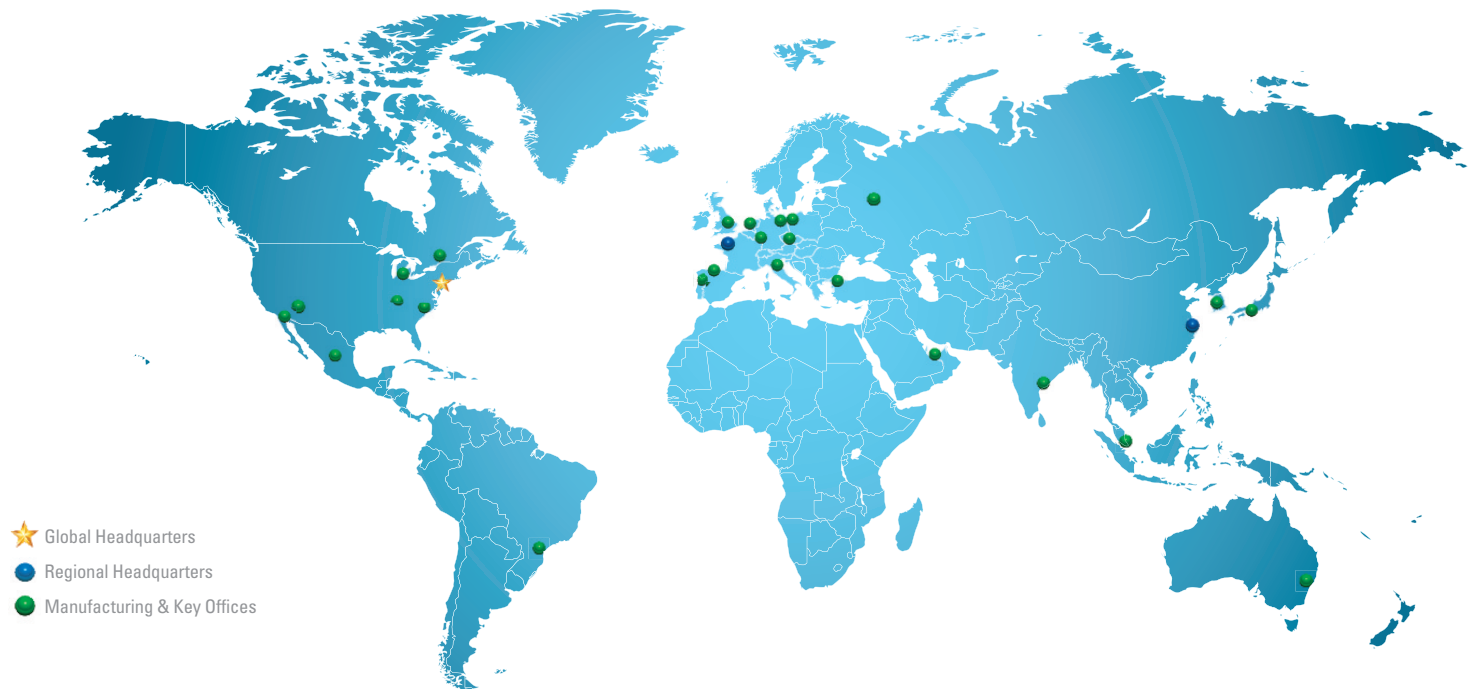
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