

CUSTOM ENGINEERED SOLUTIONS



Custom solutions offer many advantages over standard, off the shelf components. These include: improved performance, lower overall operating costs, full compliance with engineering specifications and adherence to your application requirements.

Flow Products, Inc. has been providing custom engineered solutions to major industries across the globe for more than six decades. The designs range from valve assemblies, hydraulic power units and multi stage valve manifolds with touch screen electrical control panels and wireless communication.

Our IFPS (International Fluid Power Society) certified fluid power specialists can design custom hydraulic, pneumatic or electro-mechanical systems that will improve reliability, performance and reduce operating costs.

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TECHNICAL SUPPORT SERVICES

At Flow Products, we recognize that timely and reliable technical support is paramount to our customers. As a result, we offer the following services:

- On-site application evaluation
- Circuit design
- Component sizing and selection
- Hydraulic schematics
- Electrical schematics
- Ladder logic diagrams
- 3D models
- Start-up and commissioning
- Troubleshooting
- Product training
- Instruction, operation and maintenance manuals (IOM's) - English, Spanish

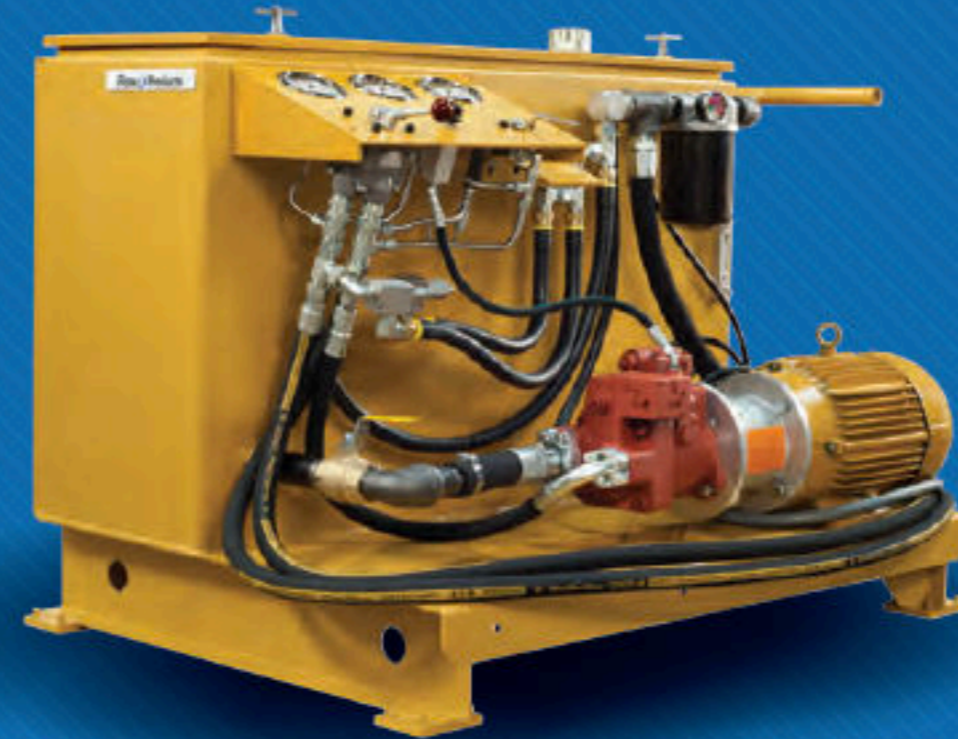
2626 WEST ADDISON STREET
CHICAGO, IL 60618

773-528-2000

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Flow Products, Inc. has over 60 years as a leading hydraulics, pneumatics and electro-mechanical systems expert. Our IFPS (International Fluid Power Society) certified fluid power specialists can provide system designs, troubleshooting, inspection, diagnostics and repair of hydraulic and pneumatic systems.

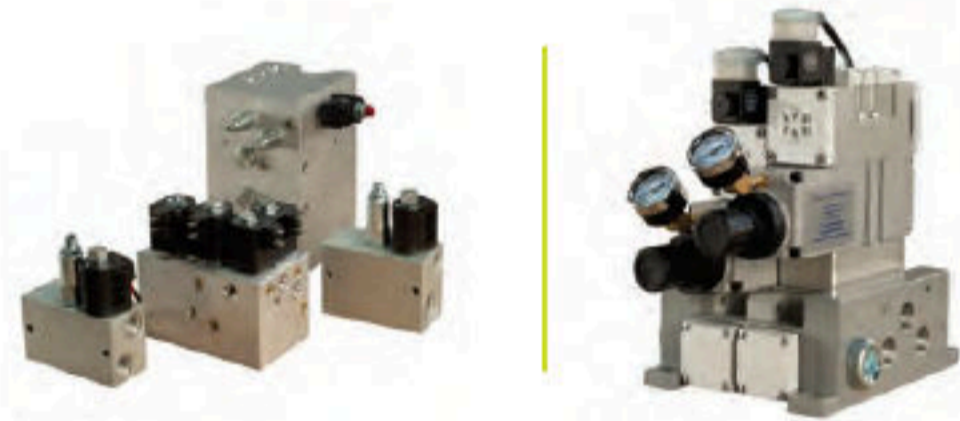
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CUSTOM ENGINEERED SOLUTIONS

VALVE MANIFOLD ASSEMBLIES

Reduce labor, save space and provide consistency with the elimination of multiple connections, fittings and hoses. These systems can be made into any configuration and designed to meet specific application requirements. The results are improved system performance, higher reliability and lower overall cost.



Flow Products offers a wide selection of features for our custom assemblies, providing advantages over traditional fitting and hose connections. These include:

FEATURES:

- Manifold blocks available in aluminum or steel
- Anodizing, plating
- Customizable to your system requirements
- Space saving designs
- Improved flow and pressure characteristics
- No fitting connections – minimized leak points
- Reduction in assembly time
- Repeatable assemblies – reduced cost
- Modular design – expandable assemblies
- Greater design flexibility

CONTROL PANELS



Flow Products offers complete engineering design, programming, fabrication, installation, and commissioning of control panels to major industries including: automotive, food & beverage, packaging, material handling and metal processing.

With our long history of providing customers control panels that assure safety, reliability and value, we have the experience to understand the application and fully meet requirements in order improve system performance and reduce costs.

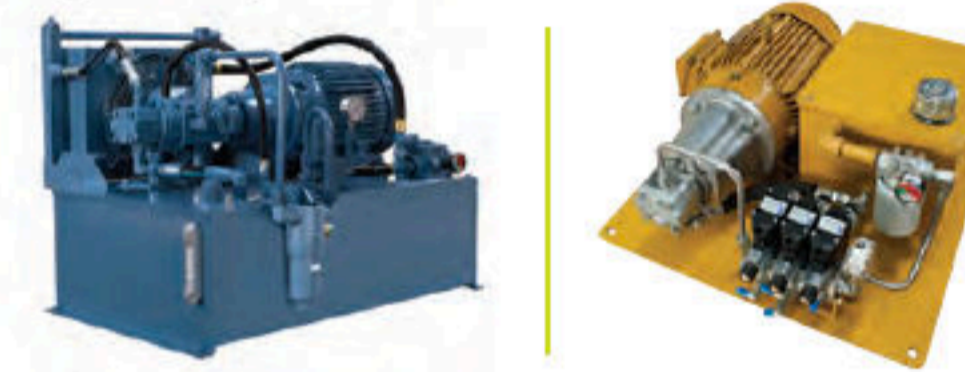
We focus on the latest technologies in control systems and work closely with our customers to provide commissioning and on-site training.

FEATURES:

- I/O link, wireless, EtherNet, EtherCat, Profibus, Modbus
- PLC and touch screen panels
- Customizable
- Full electrical control panels
- Full pneumatic control panels
- Certifications: UL, CSA, CE
- NEMA rated enclosures
- Stainless steel cabinets
- HMI (Human Machine Interface) panels
- VFD (Variable Frequency Drives)
- Soft starters

HYDRAULIC POWER UNITS (HPU'S)

HPU's are available in a variety of pressure and flow ranges, reservoir capacities, materials, configurations and fluid compatibility. The standard design for an HPU is comprised of a pump, motor reservoir, relief valve, filter(s), valves and other accessories. These provide a reliable source of operating power for hydraulic systems used in industries.



Flow Products offers standard, off the shelf units, compact designs and custom power units all geared toward meeting the application requirements and providing the best value to our customer.

FEATURES:

- Mobile, industrial units
- HP range: ½ HP to 200 HP
- Flow range up to 200 GPM
- Pressure ratings up to 10,000 PSI
- Bench top to trailer skids
- Kidney loop, in-line cooling & filtration
- Low profile, L-shaped, JIC, wash down, vertical & custom
- Complete line of accessories
- Wide selection of pumps, valves & components
- Full electrical control panels
- Air over oil (non-electrical) unit

FILTRATION SYSTEMS

One of the most critical factors in the performance of any hydraulic system is the cleanliness level of the oil. The hydraulic fluid must be free of contaminants since clean oil is essential for proper operation of all the system components including: pumps, valves and actuators. Contaminated or dirty oil may affect the seating of the valves and efficiency of the pumps leading to loss of system pressure and impacting performance.

Flow Products has a long history of providing custom filtration systems to a broad array of industries. This experience has allowed us to develop a set of features that help meet the requirements for a broad range of markets and applications ensuring long life of the components and high system performance.

FEATURES:

- Flow rates up to 15 GPM
- HP from ½ to 2 HP, single phase
- Single or Dual filtration
- Spare filters
- Portable, bench top designs
- Y strainers, shut-off valves, quick disconnects
- Safety relief valves
- Oil sampling ports

WE HAVE THE CUSTOM ENGINEERED SOLUTIONS TO PRECISELY MEET YOUR SYSTEM SPECIFICATIONS AND INCREASE PRODUCTIVITY.

CALL TODAY TO SPEAK WITH ONE OF OUR ENGINEERS AND DISCUSS YOUR REQUIREMENTS!

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