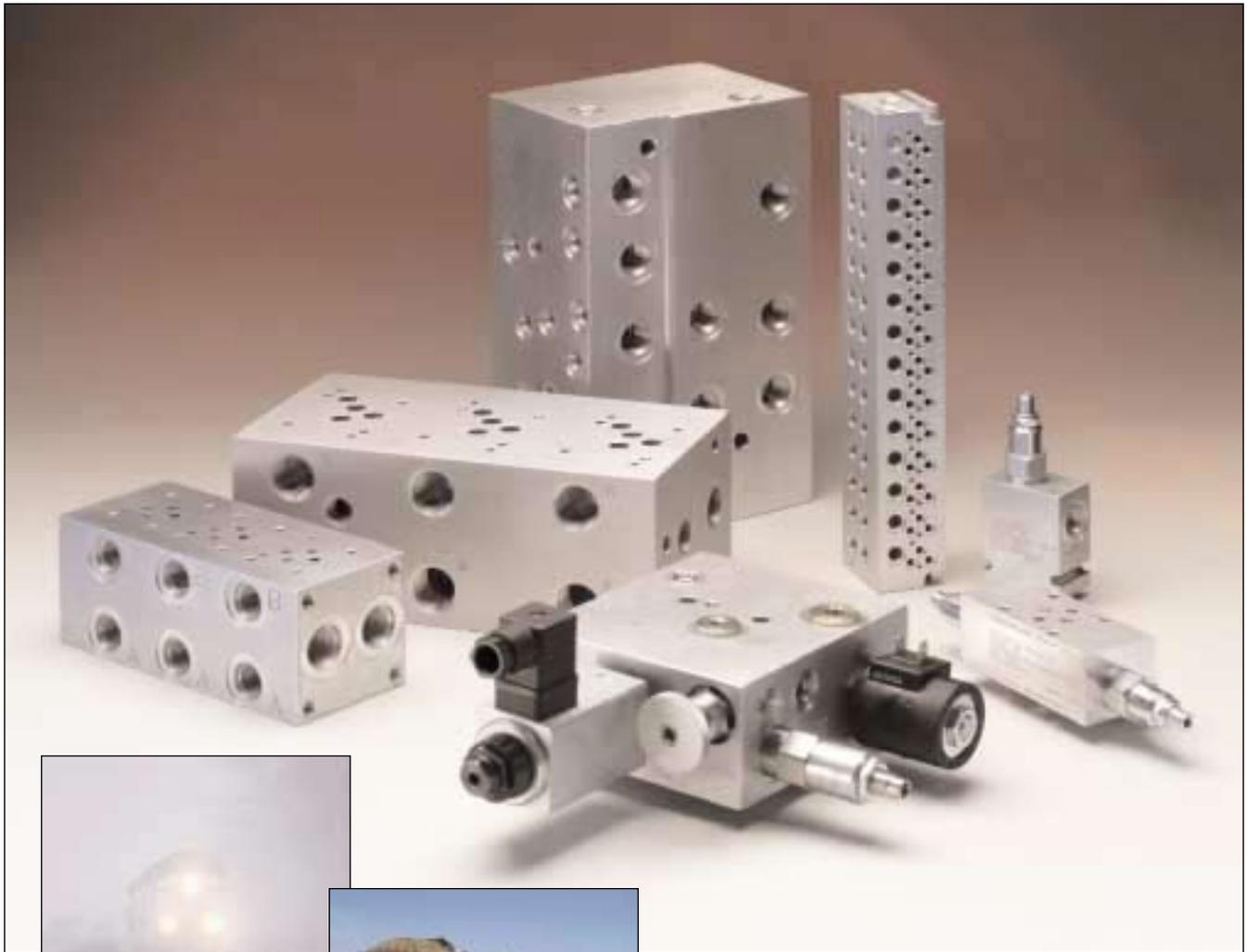




# Integrated Hydraulic Circuit Manifolds to Match Your Fluid Power Needs



*Save time, space and money  
in your fluid power application.*

# Why Integrated Hydraulic Circuits?

Integrated hydraulic circuits help you save 30-70% in labor and material costs by eliminating inter-valve piping. You get a consistent circuit every time. Integrated hydraulic circuits reduce the number of leakpoints in a system. And because there is less plumbing, system size can be reduced by half or more.

Integrated hydraulic circuits are especially useful in mobile and off-highway applications such as lift truck, lumber harvesters, agricultural implements, and aircraft ground support vehicles. They are also useful in conveyor equipment, machine tools, and machine feeder/extractor applications. Specify integrated hydraulic circuits whenever you need to save space, reduce assembly time, or avoid leakage in a hydraulic system.

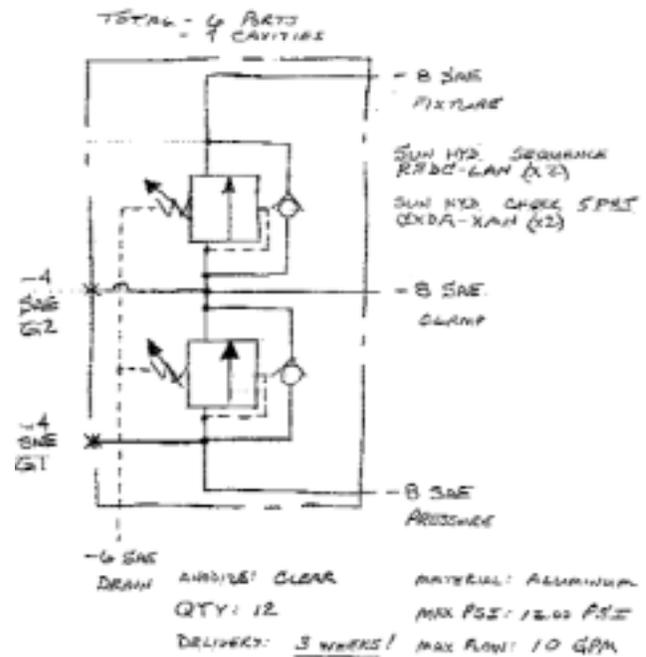
# Designing and Producing Your Integrated Hydraulic Circuit

Integrated hydraulic systems are generally designed for one specific application. Our Engineering Department can produce a circuit from your rough schematic, from your flow and pressure requirements, or from completed machine drawings.

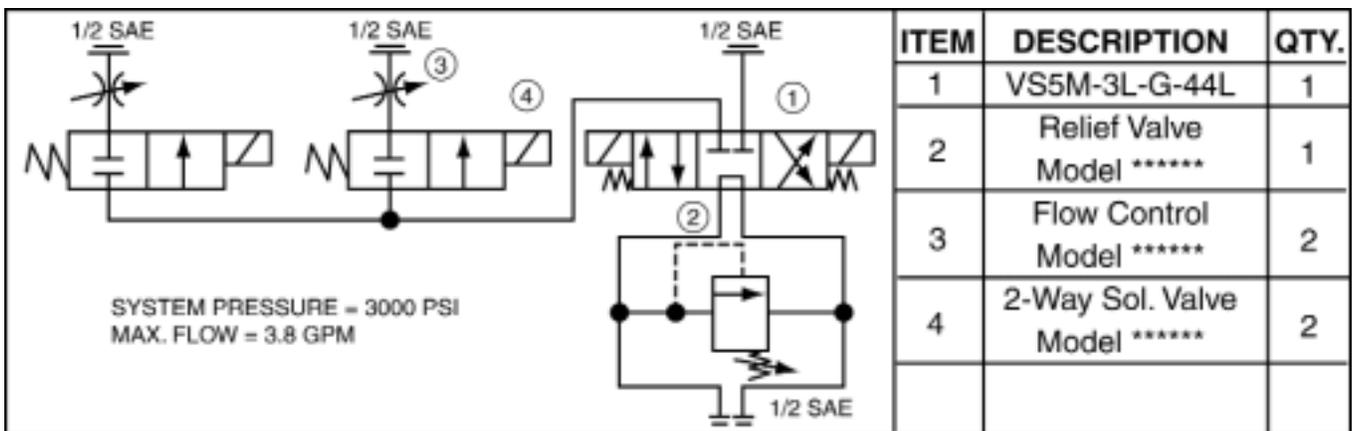
Continental Hydraulics can supply integrated circuit manifolds to include Sun hydraulic cartridges, or we can accommodate other valve manufacturers such as Hydraforce, Delta, Deltrol, Compact Controls, Modular Controls and others.

## Quoting

Send us your rough schematic, flow and pressure requirements, or machine drawings. Let us know if you need special material in your circuit block. And tell us if there are specific size parameters to consider. In about a week we'll send you a quote. It's that simple.

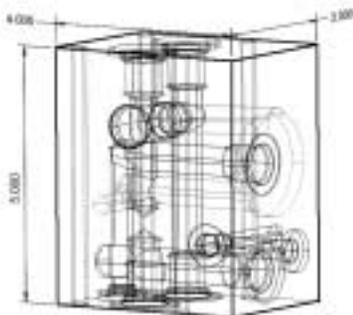


Your specs can be simple or complex, tight or rough. We'll turn them into finished integrated hydraulic circuits.



## Engineering

We use CAD systems with sophisticated SDRC® solid modeling software to complete your integrated hydraulic circuit design. Our CAD/CAM process takes the design directly

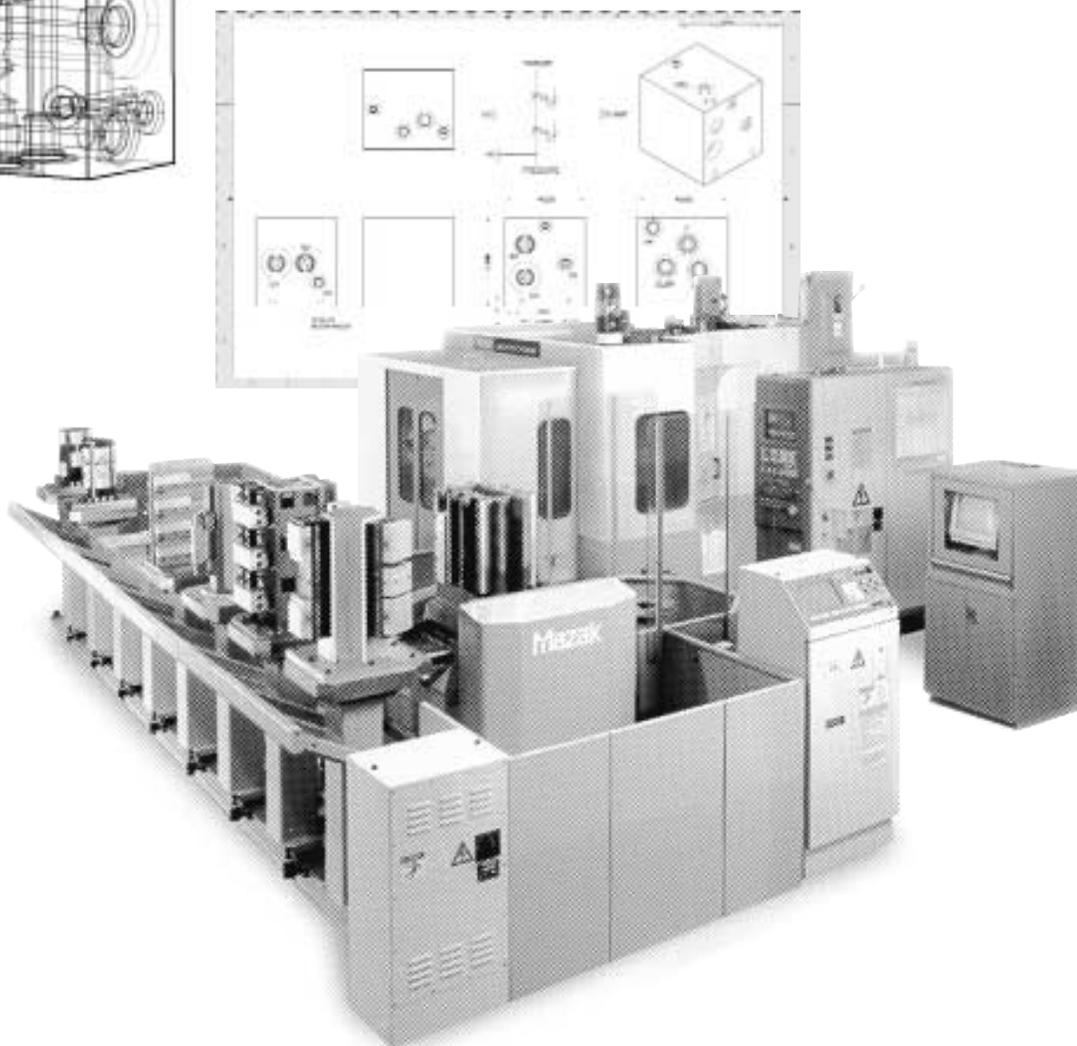


from computer to high-speed CNC machining centers. Set ups are fast. Multi-part designs are no problem. We can easily produce variants on a design, to give you even more flexibility.

## Production

If you need one, a hundred, or a thousand integrated hydraulic circuits, we can provide them. Continental uses state-of-the-art high speed CNC machining centers with multiple work stations for fast set-up, multi-part runs and quick turnaround. Integrated hydraulic circuit block design is translated to machining data through our Generative Machining™ software and downloaded directly to the appropriate machining center for production.

Our quick-change capability means we can deliver partial shipments to meet your J-I-T assembly requirements. Or we can make running changes on the basic design to suit your changing needs.



## Why settle for "close enough" when you need hydraulics?

Continental Hydraulics offers a complete line of products to meet your need for reliable, precise fluid power. In addition to the Integrated Hydraulic Circuits shown in this brochure, Continental also offers vane and piston pumps, a full line of control valves and standard or custom power units.

Continental's products are used in diverse applications such as plastic molding machinery, machine tools, pulp and paper machines, marine auxiliary power controls and deck handling equipment, and masonry product production equipment.

**Distributors who know how to help** – Anyone can say, "Here's our catalog, take your pick." Continental Distributors work with you to find out what you need, and with our engineers to make sure you get it.

**Service and support** – To provide maximum service and assistance, Continental Hydraulics maintains a strong distribution network, with representatives throughout North America and around the world. The average Continental Distributor has been with us for 15 years. He's got repair and replacement parts, and the skill to solve your hydraulics problem.

Our Distributors work hand-in-hand with our Engineers to select components and build systems that will meet your toughest specifications. And they'll suggest creative solutions that can help save money or enhance performance.

Whether you need a complete hydraulic power supply or a single directional control valve, come to Continental.



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