

INCREASED FLEXIBILITY WITH COMPACT MANIFOLD DESIGN

In response to a customer's requirement to improve safety and operating efficiency, Custom Fluidpower has redesigned a customer's application to eliminate multiple manifolds and valves. This has effectively replaced these items with a single manifold also incorporating state of the art electronic control components.

Ongoing development with Sun Hydraulics cartridge valve technology has resulted in a significant increase in design and circuit flexibility for equipment powered by Hydraulic systems. Generally, most standard mobile style directional valves require supply and mounting as independent items. In some areas they may interface with existing manifolds and valves to provide their functionality although this can be challenging and in many instances, provides a solution which is both aesthetically impractical and not cost effective.

Importantly, Sun Hydraulics range of proportional valves and electronic amplifiers allow considerable design opportunities in providing a consolidated manifold design providing both traditional spool functions with Proportional electronic solenoid control. It is a further benefit that these solenoid coils are standard within the Sun product range and are not of complex design or prohibitive cost.

Before



After



There are many advantages to a single manifold design using Sun components. Typically, some of these features are, but not limited to the following.

- ✓ Service port location flexibility
- ✓ Reduction in hose assemblies supporting increased safety.
- ✓ Valve location flexibility
- ✓ Fewer component parts
- ✓ Manifold size and weight
- ✓ Completely functional hydraulic circuit in one manifold.

Custom Fluidpower is able to apply this technology to their manifold design and application engineering to a broad range of applications. In applications where multiple valves exist, and are supplemented by significant hydraulic hose installations this technology provides itself as an ideal platform. Contemporary system and manifold design with Custom Fluidpower provides performance, reliability and confidence.



Sun Hydraulics is a globally respected leading designer and manufacturer of high performance cartridge valves and manifolds. Their electronics product portfolio provides innovative products to suit a broad variety of applications requiring both simple and sophisticated control. These components control force, speed, motion and power as integral components in Fluid Power systems.

Custom Fluidpower are proud in our association with Sun Hydraulics and are their exclusive Australian distributor and stockist.

Custom Fluidpower is a wholly Australian owned company, offering a combination of hydraulic, pneumatic and lubrication products and services in the agricultural, aerospace, exploration, industrial, marine, mobile, mining and material handling industries. For further information visit www.custom.com.au.