

PSD

Proportional and Servo Circuit Design – 5 days

Engineering personnel and hydraulic project engineers who are responsible for the implementation and design of proportional valve and servo valve circuitry will develop the design concepts they need for the proper application of components to achieve good control.

What you will learn –

- Proportional valve & servo valve selection & sizing criteria
- Selecting the appropriate valve for the application
- Valve frequency of response and valve stepped response applied
- Proportional & servo valve circuit design concepts
- Proper control of pressure, speed, acceleration/deceleration and limiting hydraulic related shock
- Understanding the nature of a spring mass system
- Open process loop vs. closed process loop to achieve proper control

This 5 day training course develops design concepts with the proper application of proportional and servo valves. Engineering personnel learn to properly select and size a proportional or servo valve. This is an appropriate next-step training course after completion of our DCH course.

Prerequisites: DCH course or equivalent – ability to manipulate algebraic equations
Classroom lecture, discussions and laboratory exercises used to reinforce design concepts