

Basic hydraulics System

Learning Goals

The participants should be able to understand the physical parameters and symbols, the construction and function of hydraulic components. The participants should be able to read, analyse and understand hydraulic circuits.

Content

- What is Hydraulics’?
- Physical fundamentals and principles
- Hydraulic components
- Pumps
- Motors
- Cylinders
- Valves: directional, pressure, flow;
- Accessories
- Fluid power symbols as per Basic hydraulic circuits Instructions
- Guidance, and review for Practical hydraulic aspects

- Practice by self-trial of Circuit making on demonstration power pack Instructions on storage
- Commissioning
- Trouble shooting
- Maintenance and Safety Overview of proportional hydraulic technology
- Prerequisites Technical knowledge
- Participant Profile Students
- Operating, maintenance
- Assembly and planning personnel
- Designers and all those interested in Hydraulic Technology

Teaching and Learning Media: Motion Presentation and Explanation by experts