

🐲 Fluid Power Symbols

- The four types of hydraulic-circuit diagrams are block, cutaway, pictorial, and graphical. These diagrams show
- Components and how they will interact.
- Manufacturing engineer and assembler how to connect the components.
- Field technician how the system works, what each component should be doing, and where the oil should be going so that the technician can diagnose and repair the system.





🐉 Standards

- The standards organizations in "Fluid Power" field are
- **BS** (British Standards).
- ISO (International Standards Organization.
- **CETOP** (Comite Des Transmissions Oleohydrauliques et Pneumatiques or European Hydraulic and Pneumatics Committee).
- You will find a complete list of fluid power standards on the following websites.
- <u>http://www.fimop.be/en/norm</u>
- <u>http://www.iso.ch/iso/en/ISOOnline.openerpage</u>
- <u>http://www.cetop.org/presentation.htm</u>

Drawing circuit diagrams

- The main standards for circuit drawings are as follows.
- Symbols must be created to standards **BS2917/ISO 1219-1.**
- The layout of the drawing should conform to ISO 1219 2.
- The standards for connections to the hardware are covered by ISO 9461
- <u>ISO 1219-1</u>





Example













