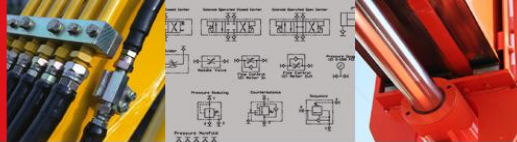




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*What you'll learn:*

- ✚ Twenty-five things to know about hydraulics
- ✚ Review of basic laws governing behavior of fluids
- ✚ Discussion of open center vs. closed center hydraulic systems
- ✚ How and why pump types must be matched with directional valve types. How to know the difference
- ✚ Discussion of fluids, filtration and seal compatibility factors
- ✚ Review of open center, tandem center, closed center and float center directional valves - Directional control valve features: load checks, anti cavitation checks, circuit reliefs, power beyond
- ✚ Discussion of flow and pressure control valves. How and why they malfunction or fail
- ✚ Proper plumbing can make a big difference in how a hydraulic system works—pressure drop and the heat factor
- ✚ Basic troubleshooting techniques and methods, why pressure gauges and flow meters are important
- ✚ Review of closed loop hydrostatic drives. System operation and troubleshooting

*About your Instructor-*

George Lonner has degrees from Georgetown University, University of Minnesota and Case Western Reserve University, (Diplomat Mechanical Engineering). He has taught at Gonzaga University, Whitworth College, Auburn University and Washington State University. Mr. Lonner has over 50 years of field and in-plant fluid power experience, including 20 years with Parker Hannifin, where he was responsible for developing company activities in Africa, the Middle East, Latin American and the Caribbean. Since founding FPTA, LLC in 1980, Mr. Lonner has taught over 1000 fluid power training programs worldwide. Mr. Lonner is a certified Fluid Power Instructor and Consultant.