Hydraulic & Offshore SUPPLIES

HYDRAULIC TRAINING COURSES

Certified Knowledge For Our Future Fluid Power Engineers



What do our courses provide?

A key highlight about the Technical Training Centre (TTC) at R&G Fluid Power Group is its focus on both hydraulic and pneumatic training, with courses covering a wide range of topics, participants will have the opportunity to understand the world of fluid power systems, whilst mastering essential skills and techniques under the guidance of industry experts.




R&G Technical Training Centre



R&G Fluid Power Group are pleased to announce our certification from the British Fluid Power Association (BFPA), which offers great credibility to our team of trainers who carry out a vast range of courses.

BFPA
REPRESENTING HYDRAULIC & PNEUMATIC INDUSTRIES



Where?

R&G Fluid Power Group, National Distribution Centre

2/3 Electric Avenue, Witham St Hughs, Lincoln, LN6 9BJ

OTHER COURSES AVAILABLE:

- **Accumulator – Nitrogen Charge and Discharged Procedures**
- **Proportional Control**
- **Pressure Compensated and Load Sense Pumps**
- **Contamination Control**
- **Inverter Drives combined with Hydraulics**
- **Pneumatics Training**

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OUR CURRENT COURSES

COURSE 1:

INTRODUCTION TO HYDRAULICS & SAFE WORKING PRACTICES

Course length: 1 Day Theory **Optional Extras:** ½ Day Practical

Target Clients: All staff working in the fluid power industry

Number of Attendees: 1 – 8

Awards: BFPA Certificate of Attendance

OBJECTIVES:

- Introduces staff to components used in a basic hydraulic system
- Overview of a basic hydraulic circuit including tank, fixed displacement pump, direction operated relief valve, throttle valve, direction control valve (spool type), cylinder and motor.
- Fitting types, hoses and pipework.
- Hydraulic safety and risk assessment.

COURSE 2:

BFPA LEVEL 1 HYDRAULICS VOCATION/QUALIFICATION

Course length: 3 Days. Combination of Theory and Practical

Target Clients: All staff working on hydraulic equipment

Course Length: 1 Day **Number of Attendees:** 1 – 8

Qualifications: Competence-based certificate

Awards: BFPA Vocation Certificate or Qualification & BFPA Training Passport

OBJECTIVES:

- Detailed learning on pumps & valves used in most hydraulic systems
- Develop a range of knowledge with ISO 1219-1 symbols
- Interrogates fundamental principles and fault finding
- Hazards associated with hydraulic systems and safe practices
- Qualification based on practical & written elements to prove competence

COURSE 3:

BFPA LEVEL 2 HYDRAULICS VOCATION

Course Length: 4 Days. Combination of Theory and Practical

Target Clients: All staff working on hydraulic equipment trained to BFPA Level 1 Hydraulics.

Number of Attendees: 1 – 4

Awards: BFPA Vocation Certificate and BFPA Training Passport

OBJECTIVES:

- Variable pumps and load sensing systems theoretical knowledge and practical application
- Mobile multi-function valves, pre and post compensation control
- Unloading circuits & accumulator principles & application within systems
- Sequence controls and electrical integration
- Load holding and control methods, solutions to load instability
- Fault finding on real systems to develop skills
- Proportional direction control valves set up and use

COURSE 4:

HOSE ASSEMBLY TECHNOLOGY

Course Length: 2 Days. Combination of Theory and Practical

Target Clients: All staff working on hydraulic equipment trained to BFPA Level 1 Hydraulics.

Number of Attendees: 1 – 8

Awards: BFPA Hose Assembly Technology and BFPA Training Passport

OBJECTIVES:

Attendees will be asked to complete classroom exercises, answer oral and/or written questions & take part in practical hose assembly assessments.

CONTACT US FOR PRICING and to book your place/s