

Course BFPA Foundation Course in Working safely with Hydraulic Hoses and Connectors
Duration 1 Day
Tutors Course tutors are NVQ A1/D32/D33 qualified



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Training

Introduction

This BFPA accredited and certified course is aimed at personnel who are involved in manufacturing and installation of Hydraulic Hose Assemblies and Connectors.

This course consists of classroom-training period, followed by a practical session on the manufacture of a range of hose assemblies and pressure testing procedures.

The Assembly Procedures used form part of our In-House Training Programme and the course is in accordance with the British Fluid Power Association.

Learning Objectives

During this 1 day course the following elements are covered so that on completion of the course the candidates have received a good basic grounding to enable them to work safely with hydraulic hoses and associated connectors.

Delegate's material

Each candidate will receive a spiral bound BFPA course booklet.

This course is supported by 4 short DVD's, (3 relating to fluid injection injuries, the other relating to the manufacture of hydraulic rubber hose.

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Location: EnerMech Training Centre or Client Premises
Dates: Arranged to mutual agreement of Company / Candidates / Consultants
Certification: Provided by the British Fluid Power Association

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Continued



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Course Content

Basic Hydraulics

- Understanding pressure, force and area and how these 3 factors influence fluid behaviour
- How to determine hose size
- Typical components used in a simple hydraulic circuit
- System contamination.



Health, Safety & Environment

- Health and Safety legislation
- Competency – how is it defined
- Risk Assessment
- Hose assembly installation
- Pressure injection injuries
- How to avoid injection and burn injuries



Hose & Connector Identification

- Hose sizing
- Industry standards for hose – EN.ISO &SAE
- Hose end terminations, materials and styles
- Hydraulic fluid types



Installation

- Correct installation of hose assemblies and adaptors
- Bend radius, natural hose bias, abrasion, heat, kinking and twisting
- Tightening of connectors



Hose and Connector Failure

- How to reduce / eliminate the likelihood of failure occurring
- Re-ending hydraulic hose assemblies – DON'T.