FPS031

**BFPA FOUNDATION COURSE WORKING SAFELY WITH HYDRAULIC HOSES AND CONNECTORS**

**Introduction**

This is a 1-day course which covers the elements listed below in the training content section. On completion of the course the candidate will have received a good basic introduction to Flexible hose assemblies enabling them to work safely with hydraulic hoses and associated connectors which are in use on most pieces of equipment, machinery and plant in every industrial sector.

**Training 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.

**Target Audience**

This BFPA accredited and certified course is aimed at personnel who are involved in manufacturing, Installing, and maintaining Hydraulic Hose Assemblies and Connectors. Also, for anyone involved in operating, maintaining and supervising equipment/machinery which contains hydraulic hose assemblies. This course consists of classroom-training only.

**Pre-Requisites**

None

**Duration**

1 Day

**Location**

TBC

**Certification**

Certificate are issued by the British Fluid Power Association. Each candidate will also receive a spiral bound BFPA course booklet upon course completion.