

FPS011

**Introduction**

Hydro-Pneumatic devices commonly know as “Accumulators” are making a significant contribution to the efficiency and longevity of our fluid power systems.

Hydraulic accumulators are pressure vessels, where the hydraulic energy is stored and then, when needed, delivered back inti the system.

In accumulators, the compressibility of gas (nitrogen) is used to store pressurised fluid.

Stored energy under high pressure of an asphyxiant gas can be a significant risk to health and safety unless appropriate training is provided in the safe use and maintenance of these devices.

The aim of this course: is to provide the knowledge and skills required for the maintenance of this equipment.

**Training Content**

* Properties of Air and Nitrogen
* Accumulator identification, Types, and operating principles
* Accumulator checking, charging, and discharging.
* Safety equipment/monitoring equipment
* Relevant legislation
* Nitrogen cylinders, pressure regulators and gas boosters
* Safe removal and replacement

**Target Audience**

This 1 day’s training programme has been developed to meet the needs of mechanical/hydraulic equipment operators and maintainers, hydraulic Technicians, and all personnel involved in the maintenance, inspection and repair of equipment plant and machinery with hydro-pneumatic devices installed.

**Pre Requisites**

None

**Duration**

1 Day

**Location**

TBC

**Certification**

A Certificate will be issued on successful completion of the course.

**Revalidation**

Employer discretion

**ACCUMULATOR**

**TRAINING COURSE**