

HYDROGEN SKILLS ACADEMY

Hydrasun Hydraulic Systems Accumulators Maintenance & Pre-Charging

The Hydrasun Hydraulic Systems Accumulators Maintenance and Pre-Charging course is aimed at giving candidates the required knowledge, skills and understanding of Industry best practice as published by the British Fluid Power Association for working with systems containing accumulators. It will show the importance of following correct procedures when inspecting, and maintaining accumulator systems and the pre-charging of accumulators.

On successful completion, the delegate will be awarded a Hydrasun certificate of attendance.

COURSE DURATION

- 2 days

PRE-REQUISITE

- None

CERTIFICATION

- Hydrasun certificate of attendance

TRAINER

- Our trainers and assessors have been certified by external accreditation bodies

COST

- Price on application – maximum 6 delegates per course

COURSE DETAILS

What is an Accumulator

- Background concepts
- How does an accumulator work
- ISO1219-1 accumulator symbols

Applicable Regulation Regarding Accumulators

- Certification & inspection
- Pressure equipment directive
- Pressure systems safety regulations
- BFPA/54

Accumulator Safety

- Hydraulic & gas side safety
- Incidents & hazards
- Precautions

Accumulator Types & Construction

- Bladder
- Diaphragm
- Piston
- Pulsation dampers & shock absorbers
- Transfer barriers & back up bottles

Accumulator Applications

- Power unloading
- Short & long term storage
- Damping & noise reduction
- Shock absorption
- Maintaining pressure & energy recovery

Pre-charge Maintenance & Inspection

- Charging accumulators
- Checking pre-charge pressure
- Gas pressure intensifiers
- Pre-charge pressure problems

Installation

- Mounting Limitations
- Handling & Storage

Practical Activities

- Perform a routine inspection of an accumulator
- Charge an accumulator to the pre-charge condition
- Complete a written report of maintenance

Assessment

- Multi-choice question paper