

HYDRASUN SKILLS ACADEMY

Hydrasun Hydraulic Hose Assembly Training Course

The Hydrasun Hydraulic Hose Assembly Training Course has been developed for personnel involved in the assembly of rubber Flexible Hose Assemblies. The assembly procedures utilised are in accordance with latest industry best practice and are taken from our in-house OPITO Hose Assembly Technical Programme.

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

COURSE DURATION

- 1 day

PRE-REQUISITE

- None

CERTIFICATION

- Hydrasun certificate

TRAINER

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

COST

- Price on application – maximum 6 delegates per course

COURSE DETAILS

Health, safety and environment

- Hose assembly safety considerations
- Worksite safety and safety while working on fluid power systems
- Pressure injection and burn injuries

Basic hydraulic principles

- Principles of stored energy
- How to determine hose size
- Contamination

Hose assembly

- Hose selection
- Typical hose construction and lay line information
- Hose length measurement and orientation
- Assembly procedures
 - Crimping and swaging
 - Vernier gauge measurement
 - Bore collapse measurement

Incorrectly manufactured hose assemblies

- Insert / ferrule Issues
- Use wrong tooling
- Hose issues

End connector identification

- Thread characteristics
- Thread forms, function and sealing methods
 - BSPP
 - BSPT
 - NPT
 - JIC

Flexible Hose Assembly inspection criteria

- Frequency
- Traceability

FHA assembly activity

- Construct a hydraulic hose
- Knowledge test

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