

IDEST

**WORKING TOWARDS
YOUR DIVING SAFETY**

This Composite Cylinder Course is aimed at IDEST Test Centre staff, whose role is to test diving and breathing gas cylinders.

It covers the procedure for checking the external condition of a composite cylinder, how to repair minor damage to the resin coating and the differences between composite and other cylinder testing methods.

It is assumed that the technician attending this course is already qualified and has been assessed by IDEST.



**INSPECTORATE for
DIVING EQUIPMENT
SERVICING & TESTING**

Accredited ISO/IEC 17024:2012

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Composite Cylinder Course

for

IDEST Test Centre Technicians



Tel: +44 (0)1883 622690

Composite Cylinder Course



Introduction

This course has been developed for IDEST Test Centre staff wishing to extend the scope of their expertise.

Composite cylinders are available for breathing apparatus as used by the Fire Brigade and Rescue Teams and are also being used for underwater use. It is therefore natural that an IDEST Test Centre would want to include these in the scope of their services offered.

Scope

The course is aimed at IDEST Test Centre Technicians. The course content will provide them with extended knowledge and skills to assess the external condition of a composite cylinder at the time visual or hydraulic testing. This is covered by **EN ISO 11623:2002—Inspecting and Testing Composite Cylinders**

Aim of the course

At the end of this short course the student will be able to:

- Confidently and competently visually assess composite cylinders externally.
- Determine whether a cylinder can be tested without repair
- Repair any minor damage to the resin coating.

Course Outline

Course is based on a workshop format and lasts about 3 to 4 hours. It starts with a short presentation that covers the topics shown below. This is followed by a practical workshop session where composite cylinders are examined and repairs made to minor damage.

Session Topics

- Composite cylinder manufacture
- Types of composite cylinders
- Inspecting & testing composite cylinders
- Inspection process
- Repairing acceptable damage
- Testing methods
- Valve inspection & refurbishment
- Replacement and torqueing of cylinder valve
- Labelling of composite cylinders
- Action in the event of concerns over condition

What will the students receive?

- Training from a qualified, competent, IDEST approved trainer
- Advice and guidance appropriate to their role
- A certificate of course attendance
- A Course Manual as source material

For course availability and prices

Please contact the Administration Office on +44 (0)1883 622690 or email: pat@patoates.co.uk

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