

# COMPRESSED AIR WORKS COURSE (MAN-LOCK ATTENDANT)

CERTIFIED UNDER ISO 29990:2010 STANDANRD



## Course Overview

The CAWC (Man-Lock Attendant) is a mandatory five day training course for individuals who are assigned to work in compressed air (CA) environment. It covers the WSH Act and subsidiary legislations applicable to compressed air works; compressed air illness (decompression illnesses and Dysbaric Osteonecrosis) and Barotrauma; hyperbaric physics; chamber operations; control measures for CAW and oxygen first aid procedures.

## Learning Objectives

At the end of the course, learners will be able to:

- State the WSH Act and subsidiary legislation governing compressed air works (CAW).
- List the roles and responsibilities of a Man-Lock Attendant and assess the suitability of learners to enter the compressed air (CA) environment.
- Describe the symptoms of compressed air illness and barotraumas.
- Calculate air pressure for CAW.
- Carry out compression of personnel before entering into compressed air (CA) environment.
- Identify fire hazards and use the fire extinguisher in tunneling and CAW.
- Carry out decompression of personnel who are leaving CA environment.
- Maintain a lock attendant register including health declaration form for all compressed air learners and report all learners with symptoms of Decompression Illnesses (DCI) and barotraumas.
- Assist in the administration of oxygen first aid.

## Who should attend?

- A mandatory training course for individuals who are assigned as Man-Lock Attendants at construction worksites or any place that requires personnel to work in a compressed air (CA) environment.
- No person shall be employed as a man-lock attendant in a worksite where work in a compressed air environment is carried out unless he has received adequate training to familiarise him with the hazards associated with compression, decompression and compressed air illnesses and with the keeping of records under these regulations.

**Duration** 44 hours including 4 hours of assessment

## Entry Requirements

- Must be certified medically fit to enter compressed air environment by a designated factory doctor (DFD). Should not be physically handicapped and should have normal colour vision.
- Must be trained in first aid.
- Possess knowledge of diving, compressed air work, hyperbaric environments or hyperbaric medicine and fire-fighting.
- Learners need to have successfully completed:-
  - \* Construction Safety Orientation Course (CSOC) for Learners
  - \* Safety Orientation Course (Tunneling) for Learners

**How is it assessed?** The course is assessed by a 1 hour written test and a 3 hours practical assessment.

Learners who have attended and successfully completed / passed both the practical and written assessments, will be awarded the Compressed Air Works Course (Man-Lock Attendant) certificate issued by KBA Training Centre Pte Ltd ~ **Course accredited under ISO 29990:2010 standard.**