

# BREATHING APPARATUS (BA) SELECTION, USE & MAINTENANCE



## ▶ Nominal duration 4 hours

(Note: This course is covered in the Confined Spaces Course. Refer to Confined Spaces link if this training is required for Confined Spaces work.)

## ▶ Maximum number of attendees per course is limited to 10

Successful participants will receive a certificate (“...has successfully completed a Course in Breathing Apparatus Selection, Use & Maintenance”) and individual assessment records.

## ▶ Venue

On site at client premises or at a CTC venue

## ▶ Target Group

All persons who may be required to select, wear and conduct elementary maintenance of Self Contained Breathing Apparatus (BA).

The aim of the course is to provide attendees with the knowledge and skills required to be able to:-

- Determine selection of appropriate equipment and explain its limitations
- Identify individual components of the BA set
- Perform initial inspections of BA set
- Don the BA set and conduct routine operational checks.
- Enter a nominated area using BA
- Conduct simulated emergency rescue exercise using BA
- Remove BA set and carry out post-use maintenance

## LEARNING OUTCOMES & ASSESMENT CRITERIA

### Learning outcome 1

Demonstrate an understanding of specific applications and limitations of respiratory protective devices

#### Assessment Criteria

- 1.1 Define air purifying respirators and explain limitations.
- 1.2 Define supplied air respirators and explain limitations.
- 1.3 Explain the application and limitations of the different types of supplied air respirators.
- 1.4 Describe physical and psychological issues associated with respiratory protective devices.

### Learning outcome 2

Demonstrate an understanding of BA set components

### Assessment Criteria

- 2.1 Describe air cylinder contents and air quality requirements.
- 2.2 Explain dangers associated with high pressure air.
- 2.2 State air cylinder testing requirements.
- 2.3 Describe air cylinder markings and determine air cylinder duration.
- 2.4 Explain and calculate safe working period of BA set.
- 2.5 Identify the main BA components in basic terms.
- 2.6 Describe function of the main BA components.
- 2.7 Describe BA inspection and maintenance requirements.
- 2.8 Describe hygiene requirements

## LEARNING OUTCOMES & ASSESMENT CRITERIA CONTD.

### Learning outcome 3

Demonstrate initial inspections of BA set

#### Assessment Criteria

- 3.1 Demonstrate and describe visual inspection of individual components.
- 3.2 Demonstrate minimum air pressure check.
- 3.3 Demonstrate high pressure leak test.
- 3.4 Demonstrate low pressure alarm and facial seal check.
- 3.5 Demonstrate demand valve operation check.

### Learning Outcome 4

Demonstrate donning of BA.

#### Assessment Criteria

- 4.1 Demonstrate fitting, adjustment and turning on of BA set.

### Learning outcome 5

Demonstrate entry into a nominated area using BA and perform a simulated emergency rescue exercise.

#### Assessment Criteria

- 5.1 Demonstrate safe entry into a nominated area using BA.
- 5.2 Demonstrate simulated emergency response using BA.

### Learning outcome 6

Demonstrate removal of BA set

#### Assessment Criteria

- 6.1 Demonstrate doffing of BA after use.
- 6.2 Demonstrate post-use inspection.
- 6.3 Demonstrate cleaning and disinfecting of face mask
- 6.4 Explain post-use maintenance and storage.

### Assessment Strategy

Assessment of competency in this course involves activities and tasks throughout the training includes demonstrations in the inspection, maintenance requirements and fitting of self contained breathing apparatus.

- Simulated emergency rescue using self contained breathing apparatus.
- Oral questioning during the training and practical sessions.

### Recognition of prior learning (RPL)

Due to the introductory nature of this course, RPL is not available.

Note, to ensure competency is maintained, periodic refresher training is recommended. Periods between refresher training should be determined by the employer taking into account the persons' use of the competencies (i.e. if a person does not use the skills and knowledge regularly, retraining would generally be needed at shorter intervals).

Other factors to consider when determining duration between retraining should include how and when the competencies are to be used.

If the person is required to use BA periodically in normal work conditions, then it would be reasonable to undertake retraining prior to Conducting the work.

If, however, the person may be required to use BA for emergency response, then the competencies must be maintained at all times.



Be Smart. Be Safe.

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