

SECTION 29 PORTABLE EXTINGUISHERS - 8 HOURS**BASIC - 2 Hours**

29-01.01 Trainee shall identify the classification of types of fires as they relate to the use of portable extinguishers as follows:

A. Identify the four (4) classes of fire:

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|--------------|--------------|
| 1. Class "A" | 3. Class "C" |
| 2. Class "B" | 4. Class "D" |

B. Identify examples of fuels for each class of fire:

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|--------------|--------------|
| 1. Class "A" | 3. Class "C" |
| 2. Class "B" | 4. Class "D" |

29-01.02 Trainee, given a group of differing extinguishers, shall identify the appropriate extinguishers for each class of fire as follows:

A. Class A fire:

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|---------------------------------|---------------------------------------|
| 1. pump tank water extinguisher | 3. foam |
| 2. stored-pressure water | 4. dry chemical (multi-purpose agent) |

B. Class B fire:

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|-------------------------------------|---------------|
| 1. dry chemical (ordinary base) | 4. foam |
| 2. dry chemical (multi-purpose) | 5. Halon 1211 |
| 3. CO ₂ (carbon dioxide) | |

C. Class C fire:

- | | |
|---------------------------------|-------------------------------------|
| 1. dry chemical (ordinary base) | 3. CO ₂ (carbon dioxide) |
| 2. dry chemical (multi-purpose) | 4. Halon 1211 |

D. Class D fire:

1. powder extinguishing agents for metal fires.

29-01.03 Trainee shall identify the portable fire extinguisher rating system (Underwriters Laboratories, Inc.):

- A. the basic symbols for the classes of fires,
- B. the picture-symbol labeling system for the selection of fire extinguishers,
- C. the numerical rating system for Class A & B fire extinguishers,
- D. the test procedure for rating Class C portable extinguishers,
- E. the test procedure for rating Class D portable extinguishers,
- F. portable extinguishers suitable for more than one class of fire

INTERMEDIATE - 2 Hours

29-02.01 Trainee shall demonstrate the use of portable extinguishers for each class of fire as follows:

- A. extinguish a class A fire using a pump tank water extinguisher
- B. extinguish a class B fire using a dry chemical extinguisher
- C. extinguish a class B fire using a CO₂ extinguisher

ADVANCED - 4 Hours

29-03.01 Trainee shall identify and explain the extinguishing effect needed for each class of fire as follows:

- A. Class A fire:
 - 1. cooling
 - 2. smothering
- B. Class B fire:
 - 1. smothering
 - 2. blanketing
- C. Class C fire:
 - 1. smothering & non-conductive
- D. Class D fire:
 - 1. must be non-reactive with burning material

29-03.02 Trainee shall identify and explain fire extinguisher characteristics and operations of:

- A. Pump tank water extinguishers, stored-pressure water extinguishers, aqueous film forming foam extinguishers, Halon 1211 extinguishers, carbon dioxide extinguishers, dry chemical extinguishers (ordinary base agent), and dry chemical extinguishers (multi-purpose base) as to their:
 - 1. size
 - 2. applicable to what class of fires
 - 3. stream reach under normal conditions
 - 4. discharge time under normal conditions
 - 5. protection from freezing
 - 6. methods of operation