

# Fire Extinguishers

## Fire Extinguishers

Portable fire extinguishers effectively extinguish nearly 95 percent of all reported fires. Yet in a three-decade study by the fire protection industry, nearly 30 percent of the portable extinguishers in the workplace have deficiencies that could prevent them from functioning correctly.

We know possessions can be valuable, sentimental and critical to a company's survival. Koorsen Fire & Security's technicians are factory-trained and equipped to ensure your protection equipment is working correctly. We arrive at your facility with our fully equipped mobile maintenance and recharge truck. We perform a complete inspection of your portable extinguishers and perform most maintenance and repairs without the extinguishers leaving your facility. We also complete a Fire Protection Inspection Report on-site, providing you with assurance that your facility has the proper portable extinguisher protection.



## Koorsen Fire & Security's Annual 12-Step Fire Extinguisher Inspection Procedure

1. Visually inspect extinguisher
2. Check the test and maintenance dates
3. Weigh extinguisher (CO<sub>2</sub>)
4. Inspect pressure gauge (where applicable)
5. Remove safety pull pin
6. Install new tamper seal (some units may require additional inspection procedures)
7. Remove discharge hose and inspect valve assembly
8. Check CO<sub>2</sub> hoses for continuity
9. Clean extinguisher
10. Attach a new certification tag
11. Complete Fire and Safety Report
12. Ensure customer understands completed work

## Fire Training

Occupational Safety & Health Administration (OSHA) and the Uniform Fire Code mandate that your employees be trained annually on the proper use of portable fire extinguishers. Koorsen Fire & Security has developed a quick, cost effective program that teaches not only how to properly use a fire extinguisher, but also allows your employees to fight a live fire in a controlled, safe environment.

## Fire Education

Koorsen Fire & Security is proud to sponsor the Kasey program, designed to teach fire safety to children of all ages. This program uses a black Labrador named Kasey to teach children fire, life and safety skills needed to survive a fire. This program has achieved national recognition, teaching over one million children. And we have only just begun!

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Annual maintenance procedures for stored-pressure portable fire extinguishers should include a thorough examination of three basic elements: the mechanical parts, the extinguishing agent and the expelling means. Koorsen Fire & Security uses the following steps to give you maximum assurance that your extinguishers will operate safely and effectively and will comply with OSHA standards and national fire codes. We will provide you the prompt, professional service you need and deserve. In fire protection, QUALITY SERVICE IS CRITICAL. Our maintenance will include the following 12 steps.

## Koorsen Fire & Security's Annual 12-Step Fire Extinguisher Inspection Procedure

- 1. Visually inspect extinguisher**
  - Remove extinguisher from its bracket.
  - Check the label to ensure instructions are legible and unobstructed.
  - Inspect cylinder for corrosion, abrasion or dents (inspect under removable bands).
  - Inspect for missing, substitute or broken parts.
- 2. Check the test and maintenance dates**
  - Look for the most recent hydrostatic test and six-year maintenance test dates.
  - Perform required service.
- 3. Weigh extinguisher**
  - All dry chemical extinguishers are "heft" tested while carbon dioxide (CO<sub>2</sub>) extinguishers are weighed.
  - Compare the findings to the manufacturer's recommendations.
  - Recharge when necessary.
- 4. Visually inspect pressure gauge**
  - Assure the gauge is not damaged, the protective cover lens is clear and the gauge installed is compatible with the valve and agent in the cylinder.
- 5. Remove safety pull pin**
  - Check for freedom of movement.
  - Replace or reinstall pull pin, if applicable.
- 6. Install new tamper seal**
  - Install a new color-coded tamper indicator around the locking device.
- 7. Remove discharge hose and inspect valve assembly**
  - Inspect hose gasket (o-ring) and hose and nozzle assembly for damage.
  - Check for obstructions.
  - Look for corrosion or damage to hose thread connections.
  - Inspect the alignment of the top and bottom handles.
- 8. Check CO<sub>2</sub> hoses for continuity**
  - Perform a continuity test on all CO<sub>2</sub> extinguishers to assure the hose is properly grounded, reducing the incidence of static electric shock when the unit is discharged.
- 9. Clean extinguisher**
  - Remove dirt (and moisture trapped in the dirt) to help prevent corrosion and extend the life of your extinguisher.
- 10. Attach a new certification tag**
  - Attach a tag, valid for one year from the month it is marked, that will signify your extinguisher is in compliance with state, local and national codes.
- 11. Complete Fire and Safety Report**
  - Complete a report which provides valuable information about your fire extinguishers, emergency and exit lights and fire hose. It also provides any recommendations we have to better protect your people and property.
- 12. Ensure customer understands completed work**