



## How Water Mist Works in Enclosed Spaces: *Checklist for Firefighters*

Water mist is a powerful firefighting tool for enclosed spaces like ship compartments, tunnels, and industrial rooms. Use this checklist to understand key principles, applications, and safety steps.

### Understand Water Mist Technology

- Fine mist cools fires, displaces oxygen, absorbs heat
- Review mist droplet size (<1,000 microns) and density
- Understand reduced water usage vs, traditional methods

### Assess Enclosed Space Hazards

- Evaluate limited ventilation and heat, smoke potential
- Identify confined space risks: access, escape routes
- Consider water mist effects on visibility and steam

### Safety and Operational Readiness

- Ensure all protective gear is worn correctly
- Check water mist equipment for readiness
- Test air supply and monitor SCBA air levels
- Prepare for conditions like flashover potential.

### Water Mist Nozzle Use

- Select the appropriate mist nozzle and pressure (high or low)
- Sweep nozzle in a controlled, fine mist pattern

### Evaluate Limitations, Tests, and Communication

- Understand that water mist is less effective for deep-seats fires
- Evaluate ventilation impact and steam effect on visibility
- Coordinate with team using clear, updated comms

