

QUICK GUIDE

SPRINKLER KIT

Order sprinkler kits through your division supervisor. When ordering a sprinkler kit also order a pump kit & consider fuel & hose needs.

ADVANTAGES

- Useful where resources cannot stay to defend the structure due to:
 - Egress - narrow one lane roads; no easy turn around
 - Erratic or extreme fire behavior
 - Resource shortage- not enough engines to assign one engine to every structure
 - Creates a microclimate around protected resource
- Disadvantages
 - Cannot replace firefighters on the ground
 - Takes time to install
 - Lag time from order to arrival
 - Equipment intensive
 - Limited availability

SPRINKLER KIT CONTENTS

TOOLS

- 1 EA Instructions
- 1 EA Carton, 16" x 14" x 12"
- 1 EA Packsack, Waterproof, w/ Straps
- 1 EA Bag, Cotton, Lunch or Tool, 10" x 24"
- 1 EA Saw, Pruning, 10"
- 1 EA Wrench, Adjustable, 10"
- 1 EA Wrench, Spanner, 11"
- 1 EA Hammer, Claw
- 1 LB Nails, Duplex, Double Head, 16d, 3"
- 12 EA Pin, Panel, Hold down, 8"
- 8 EA Stake w/Clamp, Sprinkler, Metal, 18" x 1" x 1"
- 2 EA Block, Wood 2" x 4" x 6"
- 2 EA Cord, Nylon, 1/8" x 100 ft
- 12 Tie Wraps, One Way, 15" - 17"



WATER HANDLING

- 4 EA Pressure regulator, RV 40 -50
- 5 LG Hose, Garden, Synthetic, 3/4" NH x 50 ft
- 5 EA Gasket, Garden Hose, 3/4"
- 1 EA Nozzle, Garden Hose, 3/4" NH, Adjustable, Brass
- 1 EA Nozzle, Plastic, 60 GPM, 1 1/2"
- 4 EA Sprinkler Assembly, 1/2", Sprinkler Heads w/ Couplings
- 4 EA Tee, Hose line, 1 1/2" x 1 1/2" x 1" w/ Cap
- 2 EA Valve, Wye, Gated, Brass, 3/4"
- 4 EA Valve, Shut Off, Ball, Brass, 3/4" NH
- 1 EA Reducer, 1 1/2" NH-F to 1" NPSH-M
- 4 EA Reducer, 1" NPSH-F to 3/4" NH-M



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GUIDELINES FOR SPRINKLER SET UP

- Where possible place the sprinkler high to simulate rain. Structures are designed to resist rain.
- All combustible material that is adjacent to the building or under decks must be wet.
- Easily ignited surface material on the building must be made wet and all parts of a wood roof.
- Avoid direct hitting of windows and doors or any location that would allow water to enter the building.
- Test the set up to be sure all sprinklers are working properly, and all targeted parts are getting wet.
- The sprinklers do not need to be operated for a long period before the fire arrives (approx. 1 hour), but should be working for the entire fire front passage.
- Protect the hose lines by burying them or keeping them under sprinkler protection.
- Pump sites should be sprinkler-protected if they are on vegetation or other fuel.
- Each sprinkler head will use approx. 7 gal a min with a 3/16 orifice at 50 psi.
 - That is 1700 gal for four sprinklers in one hour.



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