



Fire Protection Training

Procedures Handbook 4300

HOSE APPLIANCES & TOOLS

TOPIC: Water Thief or In Line "Tee Valve"

TIME FRAME: :20

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: The student will be able to describe the purpose and functions of a water thief or inline "tee valve"

Standard: With a minimum of 80% accuracy

MATERIALS NEEDED:

- One (1) water thief (inline tee valve) appliance (wildland)
- One (1) water thief appliance (municipal)
- White board and erasable markers
- Appropriate audio visual equipment

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 5th Edition, Chapter 13
- Gaylor, Wildfire Control, Chapter 2

PREPARATION: The placement of water thieves or in line tee valves on the initial hoselines can save firefighters substantial time and effort during later fire control operations. Once the water thief is installed additional lines can be added quickly without interfering with existing operations and without having to lay hose all the way from the engine.



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WATER THIEF OR IN LINE "TEE VALVE"

PRESENTATION	APPLICATION
<p>I. FUNCTION</p> <p>A. Enables firefighters to add additional hose lines to existing hose lines without interrupting existing flows</p> <p>II. COMPONENTS</p> <p>A. 2-1/2" or LDH Inlet (Municipal Type)</p> <ol style="list-style-type: none">1. Three discharge outlets2. 2-1/2" or larger male outlet3. Two 1-1/2" male outlets flanking the 2-1/2" outlet for lateral lines4. Gate valves on each5. Gate on the 2-1/2" or larger outlet can shut off the flow of water in the main hose line <p>B. 1-1/2" Female Inlet (Wildland Type)</p> <ol style="list-style-type: none">1. Two discharge outlets2. 1-1/2" NH thread outlet3. One, 1" NPSH thread male outlet flanking the 1-1/2" outlet4. Gate valve on 1"5. Commonly used in progressive hoselays to attach lateral hose line	



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SUMMARY:

The water thief appliance is a device that when used in the main trunk line allows tapping 2 or more smaller lines of the trunk line.

EVALUATION:

A written examination.

ASSIGNMENT:

To be determined by instructor(s).