



Fire Protection Training

Procedures Handbook 4300

HOSE

TOPIC: How to Make Hydrant Connections Using Soft Intake Hose

TIME FRAME: :45

LEVEL OF INSTRUCTION: Level II

BEHAVIORAL OBJECTIVE:

Condition: A fire department engine equipped with a 2-1/2" or LDH soft intake hose, a hydrant and a standard brass complement

Behavior: The student will hook a fire engine to a hydrant using a 2-1/2" or LDH soft intake hose under simulated fire conditions.

Standard: With a minimum of 80% accuracy, within two minutes

MATERIALS NEEDED:

- A fire engine equipped with a 2-1/2" or LDH soft intake hose
- Appropriate hydrant adapter
- A working hydrant
- Stop watch
- A performance examination
- One score sheet per student
- A red pen
- Hydrant wrench
- Universal or LDH spanner wrenches
- Rubber mallet
- Full structure fire PPE per CAL FIRE policy

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 5th Edition, Chapter 13-1-12
- IFSTA, Hose Practices, 7th Edition, Chapter 1

PREPARATION:

When hose lines are laid from the fire to a hydrant (reverse lay), it will be necessary to connect the pump to the hydrant with a soft intake hose. This hose lay is used when it is necessary to pump large volumes of water such as supplying master streams and/or pumping to multiple hand lines.



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HOW TO MAKE HYDRANT
CONNECTIONS USING SOFT
INTAKE HOSE

PRESENTATION

OPERATIONS	KEY POINTS
1. Remove hydrant cap	1a. Turn counter-clockwise b. Use hydrant wrench if cap is stuck
2. Inspect hydrant	2a. Damaged b. Knocked loose c. Firmly attached to riser d. Appears serviceable e. Look for debris inside outlet
3. Place hydrant wrench on hydrant valve	3a. Tightly b. Point hydrant wrench on valve stem away from discharge outlet
4. Open hydrant	4a. Slowly b. Fully c. Until water runs clear d. No water hammers
5. Close hydrant	5a. Fully b. Slowly c. No water hammers d. Point hydrant wrench on valve stem away from discharge outlet
6. Place adapter on hydrant	6a. On unused outlet b. Clockwise until hand tight
7. Attach hose to adapter	7a. Clockwise until hand tight
8. Open hydrant	8a. Fully b. No water hammers c. Point hydrant wrench on valve stem away from discharge outlet
9. Close tank intake valve and tank fill valve	



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PRESENTATION

OPERATIONS	KEY POINTS
10. Remove pump intake inlet cap	10a. Counter-clockwise b. Use mallet or spanner if stuck
11. Position 2 1/2" or LDH soft intake hose	11a. On ground b. Near intake inlet
12. Connect 2 1/2" or LDH soft intake hose to pump intake inlet	12a. Clockwise until hand tight
13. Open hydrant	13a. Slowly b. All the way c. No water hammers
14. Tighten any connection that leaks	14a. Use mallet, hydrant wrench or spanner



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APPLICATION:

The student will practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).