



Fire Protection Training

Procedures Handbook 4300

PUMPING

TOPIC: How to Make Intake Pump Connections

TIME FRAME: 30 Minutes

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A fire engine equipped with 300' of 2-1/2" hose

Behavior: The student will connect a 2-1/2" supply line to the pump intake.

Standard: With a minimum of 70% accuracy within 60 seconds

MATERIALS NEEDED:

- Stop watch
- Performance examination
- Fire engine
- 300' of 2-1/2" hose
- Proper safety equipment

REFERENCES:

- IFSTA, Essentials of Fire Fighting, 2nd Edition, Chapter 10
- IFSTA, Hose Practices, 7th Edition, Chapter 1 and 5

PREPARATION: On routine fires it is good practice to lay a supply line in from the nearest hydrant (forward lay). When this is done, it is important to make the pump connection and open the hydrant before the engine tank supply is gone. This job is very important as an uninterrupted supply of water to the nozzle must be maintained.



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HOW TO MAKE INTAKE PUMP
CONNECTIONS

OPERATIONS

KEY POINTS

- | OPERATIONS | KEY POINTS |
|-------------------------------|--|
| 1. Remove pump inlet cap | 1a. Turn counter clockwise |
| 2. Place pump inlet cap | 2a. On running board
b. Where not likely to be stepped on |
| 3. Remove hose from hose bed | 3a. Sufficient to reach pump inlet
b. Face direction of travel when pulling hose |
| 4. Return to hose bed | |
| 5. Break coupling | 5a. In hosebed or
b. On ground use foot tilt method
c. Use spanners for Storz coupling |
| 6. Return unused hose | 6a. To hose bed |
| 7. Advance hose to pump inlet | 7a. With male coupling
b. Face direction of travel when pulling hose |
| 8. Connect supply line | 8a. To pump inlet
b. Clockwise direction
c. Hand tight |
| 9. Adjust hose | 9a. Remove kinks
b. Remove obstacles |
| 10. Signal for water | 10a. From water source |

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HOW TO MAKE INTAKE PUMP
CONNECTIONS

APPLICATION:

Students to practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).

POINTS

TIME START

- | | | |
|----|--|-----------|
| 1. | Remove pump inlet (suction) cap by turning counter clockwise and lay cap on running board out of the way. | <u>10</u> |
| 2. | Remove sufficient hose from the hosebed to reach the pump inlet (suction) coupling. Face direction of travel while pulling hose. | <u>20</u> |
| 3. | Break the supply line either in the bed or on the ground. | <u>20</u> |
| 4. | Place excess supply line back in hosebed. | <u>10</u> |
| 5. | Advance male coupling and hose to pump inlet (suction) facing direction of travel while pulling hose. | <u>10</u> |
| 6. | Connect supply line to pump inlet (suction) hand tight turning in a clockwise direction. | <u>10</u> |
| 7. | Adjust supply hose removing kinks and routing around obstacles. | <u>10</u> |
| 8. | Signal for water from water source. | <u>10</u> |

TIME STOP

ENTER TOTAL TIME: _____:

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE:

DATE:

COMMENTS:
