



# Training Bulletin

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## Quick Water and Line Selection 2-1/2" Handline Medford



First due Medford engine company operates a 2-1/2 handline to knock down the exterior fire.

All CFD engine companies have a preconnected 150-foot handline of 2-1/2 hose (250 GPM).

All CFD engine companies have a minimum length of 450-foot line (some companies have a longer line) of 2-1/2 hose in a rear bed with a 1-1/8 inch tip (250 GPM).

All CFD engine companies have a minimum length of 450-foot line (some companies have a longer line) of 2-1/2 hose in a rear bed with a reducer connected to 100 feet of 1-3/4 hose with a 7/8 inch tip. If you want to use only the 2-1/2 inch hose, simply disconnect the reducer and 1-3/4 hose then connect a spare nozzle to the 2-1/2 inch hose.

### **The question often arises about when to stretch a 1-3/4 or 2-1/2 hose line.**

- Stretching from an engine company for residential buildings – If you are going to use a handline purely for defensive operations, a 2-1/2 inch handline is recommended.
- Stretching from an engine company for commercial buildings – The 2-1/2 inch handline is recommended in some commercial occupancies.

### **Advantages of 2-1/2 Hose Line:**

- Delivers the “big” water needed for a quick, aggressive initial interior attack, exterior operation, or exposure protection.
- No combination of smaller handlines can duplicate the volume, reach, and pure knockdown power of a single, well-placed 2-1/2-inch line.

Contributing sources: Fire Engineering December 1996 The 2-1/2 inch handline by Andrew A. Fredicks.  
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