FIREFIGHTER’S

PRE-CONNECTED HOSELINE REFERENCE AND PLANNER

HOSE & NOZZLE COMPARISON CHARTS

7 charts for various nozzle and hose combos

• Nozzle Pressure & Flow
• Nozzle Reaction & Personnel Requirements
• Cooling Capacity & Efficiency
• Indirect Attack Calculations
• Hose Friction Loss
• Engine Pressures for over 100 Pre-connected Lines

BLANK COMPARISON CHART

• Create a Reference Chart for the Hose & Nozzle Layout you’re now using
• Plan an Improved Layout for your Current or Future Apparatus

APPARATUS LAYOUT CHART (below)

• Diagram your Current or Future Hose & Nozzle Placement

Formulas used in the creation of these charts were from the IFSTA Pumping Apparatus Driver/Operator Handbook, Second Edition; and Grimwood, Hartin, McDonough, and Raffel, 3D Fire Fighting Training, Techniques, and Tactics, First Edition. Friction Loss Coefficients for Field Conditions were provided courtesy of Battalion Chief (Ret.) Sam Clark of the Harrisburg Bureau of Fire, Harrisburg, PA.

Larry L. Coble 2016
## HOSE & NOZZLE LAYOUT

<table>
<thead>
<tr>
<th>PUMP CAPACITY (G.P.M.)</th>
<th>TANK CAPACITY (GALLONS)</th>
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