RIGHT PRESSURE STUDY



A National Firefighter Safety Research Study

Identifying safer nozzle pressure ranges to help reduce handline-related injuries

Firefighters operate charged hose lines every day, but limited data exists on how much nozzle pressure can be safely and effectively managed. The **IAFC** and **IDEX Fire & Safety** are conducting a national field study with crews operating handlines under realistic conditions to determine how much nozzle pressure provides effective fire streams while reducing injury risk.

THIS RESEARCH WILL IDENTIFY:

- Comfortable operating pressures
- Effective nozzle reaction levels
- When pressure becomes difficult to control
- How firefighter experience impacts performance
- Opportunities to reduce hose line injuries

THIS STUDY WILL SUPPORT:

- Safer hose and nozzle specifications
- Improved pumping practices
- Fewer firefighter injuries
- Smarter equipment decisions

PARTICIPATING DEPARTMENTS WILL:

- Contribute to firefighter safety research
- Receive pressure and flow data insights
- Be recognized as a contributing department in study communications and presentations

RESEARCH GOALS:

- Define safer operating ranges
- Identify when nozzle reaction becomes unsafe
- Improve equipment and pumping guidance
- Help reduce hose line-related injuries
- Share findings through fire service conferences like TSI, publications, and industry communications.

EVENT INFO

October 14, 2026

Huntley Fire Protection District
11118 Main St.
Huntley, IL 60142
9am to 1130am

North Park Fire Protection District
1011 Harlem Rd.
Machesney Park, IL 61115
130pm to 4pm

Spring Valley Fire Protection District
520 N Taylor St.
Spring Valley, IL 61362
6pm to 830pm

A few firefighters from each area department are needed for the study. This will ensure a wide spectrum of firefighters with a voice at the table.

Each firefighter will take about 10-15 minutes to complete.

DINGESFIRE COMPANY

CONTACT TO REGISTER

Jeff Bryant
815-994-6184
jbryant@dingesfire.com

