Operation of the Combination Nozzle

Elkhart Chief 4000-14

(Hi-Rise Kit)

Standard: NFPA 1001

Indications: Use of Hi-Rise Kit

Limitations: The nozzle reaction for this nozzle is 69 pounds when using the smooth bore and 54 pounds when using the fog nozzle. The typical two-person nozzle team can safely and effectively control a nozzle reaction force of about 70 pounds.

The following techniques were found to be beneficial when operating the combination nozzle. It is strongly recommended that you practice with the Hi-Rise Kit and find out what works best for you.

This is a preferred method to backup the nozzle person when NOT advancing the hoseline.

As a nozzle person, if you are right handed, it is easier to handle the hoseline as shown with the hose under the right shoulder. Both firefighters need to be on the same side of the hose.

This is the preferred method to backup the nozzle person when advancing the line. The right knee of the backup person helps direct the reaction toward the ground.

To avoid the hose kinking at the coupling, a close grip is recommended, as shown in the illustration.