

Tempe Fire Department Policies and Procedures
High Rise Packs
405.03E
Rev 11-12-09

PURPOSE

To demonstrate the amount of hose, type of hose load, nozzle, and equipment used in our high rise packs.

PROCEDURE

Each company carrying high rise packs should have a total of 200' of 1 3/4" hose. A company has the option of carrying 4 bundles of 50' sections of 1 3/4" or may carry 2 bundles of 100' sections of 1 3/4" hose. Within the bundles are a spanner wrench, a low pressure high gpm nozzle that is adapted easily from fog to straight stream, and a gated wye. All bundles will be held together with Velcro straps for easy deployment.

There is a 2 1/2" female Tempe to 1 1/2" male NST on each truck. These can be attached to the high rise packs, however, the use of these adapters will use up a standpipe connection. Using the gated wye provide another outlet for a second line which is preferred in high rise operations.

Type of Load

The Straight Accordion

Nozzle Features

- The nozzle puts out 200 gpm at 50 psi nozzle pressure (compared to all of our other fog nozzles at 100 psi nozzle pressure).
- The fog portion breaks apart to expose a 1" straight stream tip in the bail section. Both the break away fog portion and the straight stream tip have 1 1/2" Pacific Coast threads.
- The break away portion, which is the fog portion, can then be used to attach to another hose line. To shut down the fog stream when using the break away tip, simply twist past the wide fog position and this will shut down the hose stream.
- The Friction Loss (FL) for 100' of 1 3/4" hose at 200 gpm is 38 psi. Figure 88 psi at the standpipe for a 50 psi Nozzle Pressure.