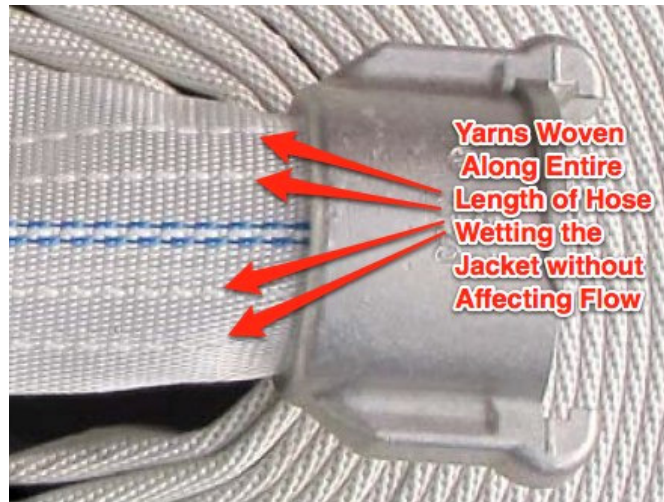


# Hydro Wick Information

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## Hydro Wick



Special problems require special solutions and Mercedes Textiles is particularly innovative in creating practical solutions to difficult problems. When the Forest Services of North America needed a more finely controlled weeping (self-protecting) hose than the previous technology could provide, Mercedes Textiles Ltd created this clever yet simple design wherein carefully spaced yarns were exposed into the waterway.

Through capillary action, a controlled amount of water is allowed to which through the yarn and quickly soak the jacket thoroughly. This action produces a wetted outer surface without reducing flow or creating additional turbulence. When the jacket is fully wet, the capillary action automatically stabilizes.

### **Patented Hydro-Wick Weeping Process**

- This "wick" effect results in considerable less pressure loss due to weeping and eliminates clogging, as compared to the needle prick process used by competitors.
- Complete wet out is achieved in up to 300% less time than the needle prick method.
- The resulting wet jacket provides excellent protection against heat, such as in forest fire applications.