

# VORTEX™, a Smoothbore with a TWIST . . .



## . . . REALLY !

Never again, when using your favorite smoothbore tip during an initial attack, will you restrict your flow by gating the valve as you try to get some sort of a dispersed pattern. Whether it is for a little protection,

coverage of fuels, or a bit of air movement as you are advancing the line or trying to clear some smoke, VORTEX offers a unique enhancement to this time tested nozzle tradition.

With just a simple twist, the VORTEX moves from its amazing hard hitting straight stream to a uniformly dispersed pattern without gating your valve and reducing your fire flow.



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# VORTEX



**VORTEX TIP ONLY**  
 SVFT 1.9 lb (0.9 kg)



**VORTEX TIP with VALVE**  
 SVFV 3.8 lb (1.7 kg)

**VORTEX TIP, VALVE and PISTOL GRIP**  
 SVFG 4.6 lb (2.1 kg)



*Add your preferred diameter smoothbore tip to any VORTEX nozzle.*



## VORTEX NOZZLES

The TFT Vortex enhances the use of a smoothbore nozzle. It is intended for installation behind a smoothbore nozzle for use with water or fire fighting foam solutions. Six short vanes in the bore of the Vortex reduce turbulence in straight stream. Twisting the Stream Shaper from "STREAM" to "VORTEX" causes the vanes to pivot proportionally. This induces a gentle spin in the water to create a uniformly dispersed Vortex stream pattern. The vanes are less obtrusive than a typical stream straightener, resulting in virtually no friction loss regardless of which stream pattern is selected. The vanes also allow large debris to easily pass through the Vortex.

The Shaper includes a tactile detent at the straight stream and full Vortex dispersed positions as a secure confirmation that the desired setting has been achieved. As seen from the operating position behind the nozzle, twisting the stream shaper clockwise moves the shaper to the straight stream position. Twisting the shaper counterclockwise will result in an increasingly wider pattern until reaching the full Vortex pattern.

Pivoting the vanes has virtually no effect on the flow area or ability to pass debris up to 5/8". As a result, discharge pressure and flow rate remain constant regardless of stream pattern. The nozzle reaction is greatest when the shaper is in the straight stream position.

