

The Ultimate Concept in Firefighting Nozzles



RYLSTATIC® is the ultimate concept in firefighting nozzles. It is a patented design made by **TIPSA** as a result of continuous research and development.

RYLSTATIC® is an improved alternative to fixed bumper teeth and spinning turbine teeth that improves firefighting nozzles in the following points:

1. Less friction loss
2. Improved FOG, more uniform with smaller water droplets. Greater heat absorption.
3. Ease of maintenance
4. Solid protection shield

1. Less Friction Loss

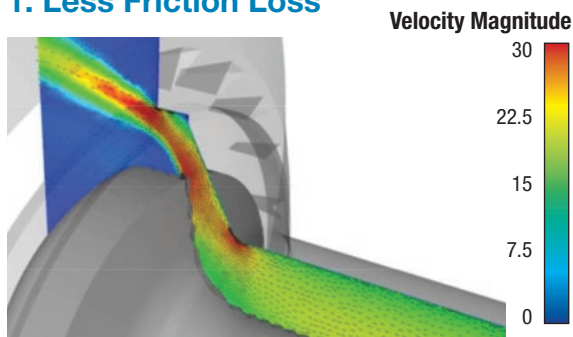


Image 1a: Velocity of Water – Spinning teeth

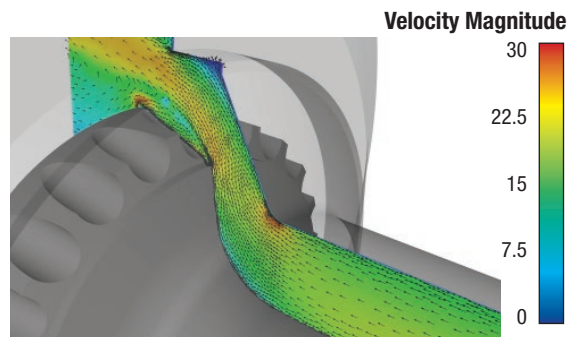


Image 1b: Velocity of Water – RYLSTATIC®

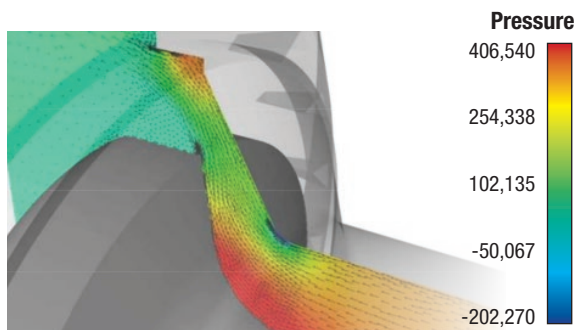


Image 2a: Static Pressure Distribution – Spinning Teeth

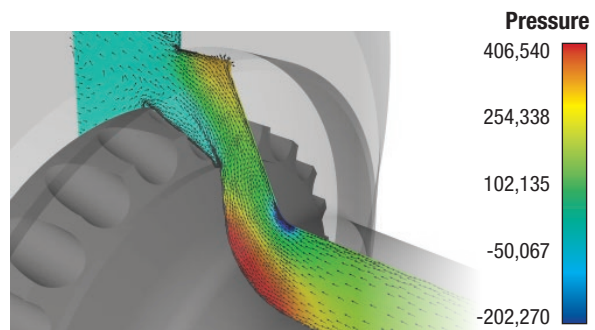


Image 2b: Static Pressure Distribution – RYLSTATIC®

2. Improved FOG, more uniform with smaller water drops. Greater rate of heat absorption.

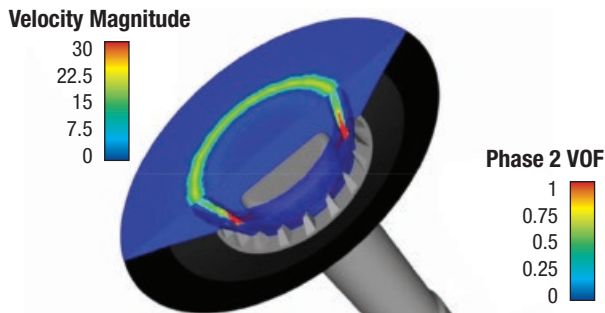


Image 3: Speed Magnitude vs Turbulence Intensity (before spinning Teeth turbine)

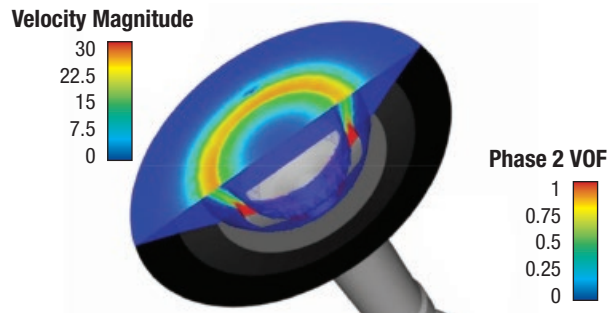


Image 4: Speed Magnitude vs Turbulence Intensity (RYLSTATIC®)

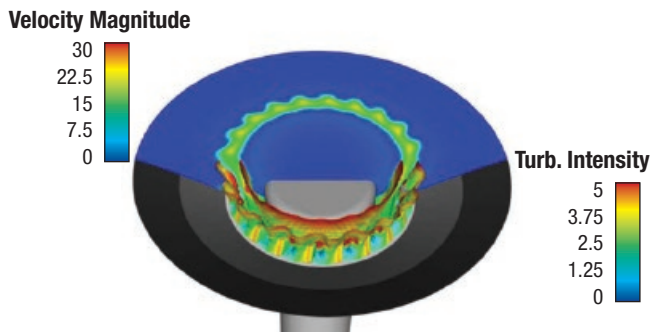


Image 5: Speed Magnitude vs Turbulence Intensity (spinning Teeth turbine)

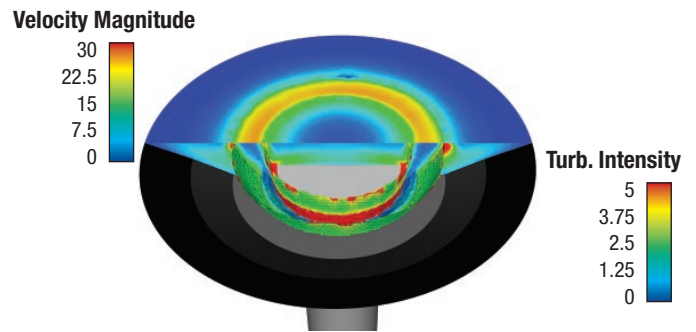


Image 6: Speed Magnitude vs Turbulence Intensity (RYLSTATIC®)

The sooner the water starts its mixture with air, the better the FOG will become. The water drops are smaller but we have maintained the effective reach of the nozzle in FOG Positions.

3. Ease of Maintenance – No spinning teeth to break.

RYLSTATIC® IS AVAILABLE IN THE
VIPER® Blue Devil®, VIPER® Attack® and VIPER® Spartan® models.

All of these nozzles have been designed and produced to meet the requirements of the National Fire Protection Association (NFPA) 1964 and the Spanish Association for Standardization (UNE) and European Standards (EN) -15182-1 and UNE EN 15182-2 Type 3.