



Hydraulic Ventilation & Fire Suppression Nozzle

The Hydraulic Ventilation & Fire Suppression Nozzle is a specialized nozzle used by firefighters for simultaneous hydraulic ventilation and fire suppression from outside a structure. It creates a high-velocity fog stream for ventilation (moving thousands of CFM of air) while using inward-directed nozzles for cooling and extinguishing, allowing a single, unmanned operator to significantly reduce temperatures and improve tenability.

Key Features and Benefits:

- Dual Functionality: Combines inward-facing nozzles for suppression and an outward-facing nozzle for ventilation.
- Safety and Efficiency: Enables a single firefighter to initiate interior suppression and ventilation from an exterior position.
- Flow Rates: Typically operates with two streams, often utilizing roughly 95 GPM for the vent & suppression.
- Versatility: Can be deployed in various scenarios, including residential, basement, and high-rise fires.
- Reduced Risk: Effectively drops room temperatures and removes toxic smoke and gases, improving safety for victims and firefighters.
- The device is designed to be placed directly into a fire room's ventilation point (e.g., a window) and left to operate.

Technical Data

Material	Body	Aluminum Alloy
	Valve Ball	Stainless Steel
	Handle	Dupont Nylon
	Bumper	Rubber (maximum durability)
Surface Treatment	Anodized	
Overall Length	216cm	
Working Pressure	7 bar (100 psi)	
Flow Rate	95GPM / 360LPM @7BAR	
Spray angle	0-180 °	
Throw range	32 meter @ 7 bar	
Maximum Exhaust Volume	≥34000m ³ /h	
Inlet	38mm NPSH Female	

