

# NEW SAM BOOST

STYLE 5370




SAM BOOST™ is a retrofittable system that includes automation to add safety and efficiency to your current fleet. SAM BOOST uses SAM technology to provide **SIMPLER, FASTER and SAFER** hose line attacks on the fire. SAM BOOST is different from the full SAM system as it is a scaled down version that uses the core of the SAM system to allow up to 2 hose lines to have automated water flow that can be charged at the nozzle. It's the most efficient and cost-effective way to equip even your newest team members with technology they can easily use.

- Charge your own line
- Auto Tank to Pump
- View your water level
- Maintain pressure
- Set Discharge Pressure
- Overcome hose kinks



## Specifications

Style	5370
Certification(s)	
Country of Manufacture	US
Brand	Assault

**Emergency Responders:** Learn more about SAM BOOST at [samflows.com](https://samflows.com)

**OEMs/Dealers:** [Login to My Account](#) to access system details and support materials.

## Features

- **Charge your own line** – When both function buttons on the nozzle are pressed, the valve opens and charges the line.
- **Auto Tank to Pump** – When the pump is placed in gear the tank to pump automatically opens and vents the air from the pump.
- **View your water level** – Green, yellow, and red lights on the nozzle indicate the water tank level and once a water source is established, they show blue.
- **Maintain pressure** – BOOST accounts for elevation change and ensures correct pressure at the nozzle for up to 300 feet of preconnected hose.

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- **Set Discharge Pressure** – The SAM™ Smart Nozzle has a pressure sensor that communicates with the BOOST governor that sets the discharge valve to compensate for friction loss.
- **Overcome hose kinks** – Low pressure at the nozzle triggers and in increase of pressure at the valve. If the nozzle pressure does not rise, the pressure in the line is increased to overcome
- The SAM BOOST™ governor operates as a standard pressure governor, allowing the operator to maintain a set pressure.
- BOOST automatically opens the electric tank to pump valve when the pump is placed in gear, ensuring water is ready when the attack crew is ready.
- Information is looped from the BOOST governor to the SAM™ Smart Nozzle
- The Smart Nozzle charges the hose line and adjusts the valve position to assure that the rated pressure and flow is available at the end of the hose, allowing the attack crew to charge their own line.
- The water tank level and status of the water supply are shown on the nozzle, giving nozzle operators the information that they need without tying up precious communication lines.
- BOOST continues to operate and provide consistent pressure at the valve even if wireless transmission is interrupted.
- BOOST preconnected discharges are controlled from the SAM BOOST governor, allowing pressures to be adjusted automatically or manually at the valve.
- The traditional bail handle continues to serve as the water open/close at the nozzle, and nozzle adjustments for stream and flow rate (if so equipped) function as they do today.

## Technical

- The wireless, battery-operated Smart Control Console is an integrated unit mounted to the inlet of Turbojet™, Assault™, and Smoothbore Akron Brass nozzles.
- The system uses spread-spectrum technology for communications and a low power draw.
- Range of operation: The SAM Smart Nozzle technology will compensate for advancing the line up to five floors above the pumper or two floors below grade (beyond the typical 300-foot pre-connect deployment).
- The SAM Smart Nozzle is designed and tested for use on pre-connected hand lines up to 300 feet long.

## What you get

- SAM BOOST Pressure Governor
- Two Akron Brass SAM Smart Nozzles (Turbojet, Assault, or Smooth Bore)
- Truck-Installed Radio and Antenna
- Two 2" electric valves
- One 3" or 4" electric valve for tank to pump
- Truck-Installed Radio and Antenna

## Optional items:

- Antenna Protection Kit

## Applications/Solutions

- Firefighting - Structural
- Firefighting - Wildland Forestry



# SAM BOOST

## STYLE 5370

SAM Smart Nozzle on a Turbojet showing established water source



SAM Smart Nozzle in action

