



The first and only fire hose nozzle that gives the nozzle team control of the water flow

System Overview for OEMs and Dealers

## MEET THE SAM SMART NOZZLE WITH REVOLUTIONARY N<sub>2</sub>P TECHNOLOGY

### Groundbreaking Advancement In Fire Nozzle Technology

#### Your business has challenges

- Winning high-quality truck awards
- Getting the the end-user to purchase more content per truck
- Fire departments asking for new technology
- Multiple brands needed to support fire apparatus

#### Let us help alleviate those challenges

- The SAM Smart Nozzle maximizes the amount of new equipment they can place on their new apparatus
- The Smart Nozzle helps OEMs and Dealers bring new technology to fire departments that creates a safer experience and makes fire departments more efficient
- You can support your customers by providing them a single source of contact to call for their water flow solutions. It also simplifies specifying a truck and makes troubleshooting easier for you and your customer



Contact your local IDEX Fire & Safety Representative | [samflows.com](http://samflows.com)

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## What exactly does the SAM Smart Nozzle do?

The SAM Smart Nozzle with N<sub>2</sub>P Technology is the only firefighting nozzle that places the discharge control in the hands of the nozzle team while providing water supply feedback to the attack crew.

The SAM Nozzle combines industry-leading Akron Brass™ nozzles with the automation of the SAM integrated total water control system, resulting in increased speed in deploying water, maximized firefighter safety, and increased the efficiency of firefighting personnel.

## How does the SAM Nozzle help on the fireground?

The first five minutes are critical on the fire scene--every second counts. The SAM Nozzle with N<sub>2</sub>P Technology provides efficiency, safety and speed on the fireground.

	Pump Operator <i>without</i> SAM Nozzle	Pump Operator <i>with</i> SAM Nozzle
Synchronizes the optimum nozzle operating pressure with the pressure at the nozzle	X	✓
Provides feedback on water tank level and status of the water source to the attack crew	X	✓
Provides valve opening control at the nozzle for speed of attack	X	✓
Allows SAM to set the discharge line pressure to account for elevation changes	X	✓
Charges the hose	X	✓
Water tank level on nozzle display	X	✓
Status of water supply on nozzle display	X	✓
Detects hose kinks and burst hose	X	✓



## SYSTEM REQUIREMENTS

The system requires the following components to be specified with the truck:

- Akron Brass Turbojet™, Assault™, and Smooth Bore
- SAM Integrated Total Water Control System
- Hale Qmax or Qmax-XS
- Akron Brass Electric Valves and pressure transducers
- Class 1 ITL-40 tank level
- Hale SPV primer
- Hale electric MIV(s)

## OPTIONAL ITEMS

- Akron Brass Navigator electric valve controllers (can be used as redundant controllers, but not required)
- Class 1 SmartFoam or SmartCAFS
- Additional SAM Control Center (Up to two additional)

## TECHNICAL INFORMATION

- Uses wireless communication for fast communication with low power draw. Requires installation of an antenna and a radio.
- For use with pre-connected hoses; the nozzle is paired to the discharge valve.
- When the valve is in use, the SAM screen provides feedback on the Smart Nozzle, with signal strength, battery life, rated nozzle pressure and valve pressure.
- See the SAM Smart Nozzle FAQ Sheet for additional information.

## AVAILABILITY

- Order Date: January 2022

