



**FiNo**



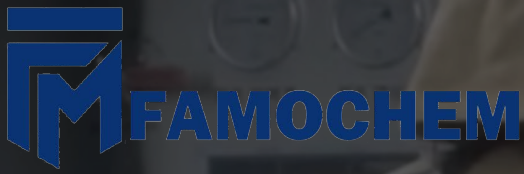
**PROFESSIONAL  
FIRE-FIGHTING  
EQUIPMENT  
MANUFACTURER**

 **FiNo** FIRE FIGHTING EQUIPMENT

FINO Co.,Ltd. Is a professional fire-fighting equipment manufacturer, established in September 2017. We developed a technique that can effectively eliminate reaction force generated during fire-fighters' performance of water spraying work and have achieved five invention patents, resulting in launch and release of Portable Self-Standing Monitor. Further, we have developed smart nozzle connector and are currently undertaking the test, and developing fire-fighting drone by applying the same technique, as well.

Venture Enterprise Certification, ISO 9001:2015, Ministry of SMEs and Startups performance Certification (EPC), R&D Certified Organization, Approved Public Procurement Service Excellent Product, Selected for TIPS, Successfully attracted Kingsly Ventures Investment.





# BETTER SOLUTION FOR FIREFIGHTER



# PORTABLE SELF-STANDING MONITOR

The Portable Self-standing Monitor is the first monitor specifically designed with hydro dynamics, ergonomics, handling and reduced firefighter fatigue in mind.

PSM has reduction technology of reaction force torque of hose during water spray. The firefighter can control to spray direction of the monitor with standing position. PSM is professional monitor for firefighter, can reduce to fatigue and allow to easier operation of firefighter during water spray.



## USAGE

### 1 Fire site requiring water spray for a long time

Portable self-standing monitor can be operated by one firefighter with high pressure water for a long time fire site such as warehouse fire

### 2 A fire site where the radiant heat is so heavy that access to the firefighter is difficult

A firefighter can carries and spray portable self-standing monitor a fire site where the fire scale and radiant heat emission are so great that the firefighter can not access

### 3 LPG storage tanks and other fire sites requiring long-term cooling

Portable self-standing monitor can be used to remove radiant heat from gas storage tanks due to chemical plant or building fire, and it can be unmanned water spray after installation.





## PORTABLE SELF-STANDING MONITOR SPECIFICATION



FN 65A (Unfold)



FN 65F (Unfold)



FN 65A (Fold)



FN 65F (Fold)

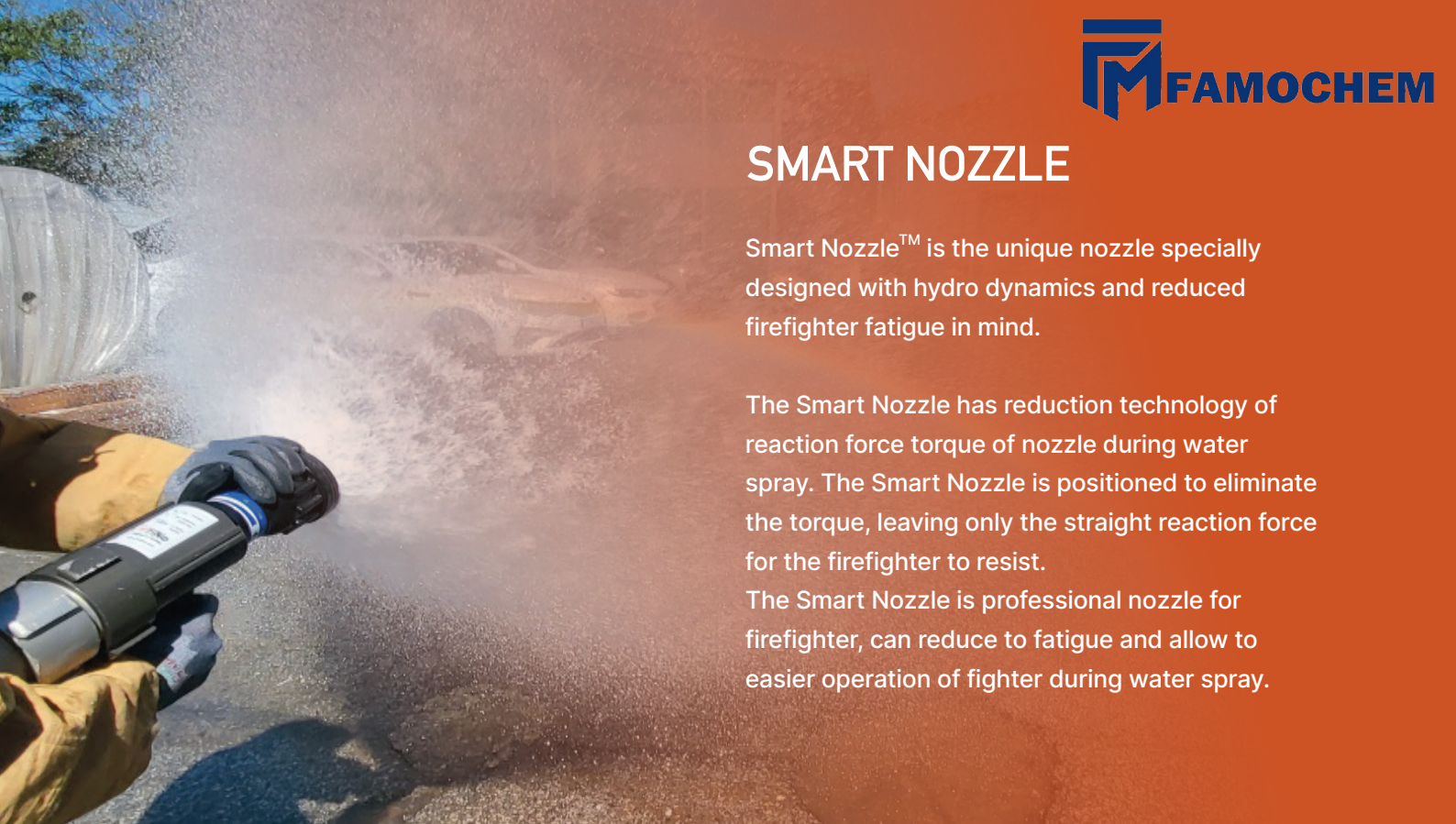
Model	FN 65A / 65F	FN 40A
Standard Inlet Coupling	2 ½ inch NH Female	1 ½ inch NH Female
Flow Range	660 GPM (2500 LPM)	260 GPM (1000 LPM)
Emergency Shut-off Valve	Automatic	Automatic
Weight	43lbs (19.5kg)	40lbs (18kg)
Size, Legs Unfolded (mm)	886"L x 512"W x 335"H (2,250*1,300*850)	886"L x 512"W x 327"H (2,250*1,300*830)
Nozzle type	Straight / General	Straight

# SMART NOZZLE

Smart Nozzle™ is the unique nozzle specially designed with hydro dynamics and reduced firefighter fatigue in mind.

The Smart Nozzle has reduction technology of reaction force torque of nozzle during water spray. The Smart Nozzle is positioned to eliminate the torque, leaving only the straight reaction force for the firefighter to resist.

The Smart Nozzle is professional nozzle for firefighter, can reduce to fatigue and allow to easier operation of fighter during water spray.



## MERIT

- 1 Smart nozzle to minimize upward reaction force.**

Smart nozzles can be easier sprayed by minimizing reaction force.

- 2 Smart nozzles can increase the convenience of firefighters.**

Smart nuzzles reduce about 30% reaction force and can reduce fatigue of firefighters.

- 3 Smart nozzle that anyone can use easily.**

Smart nozzles are easy to use for anyone who is not a firefighter.

- 4 Efficient use of manpower**

Smart nozzles, which has removed the upward repulsive force, can be used with a small number of people, so it is possible to use manpower efficiently.





## SMART NOZZLE SPECIFICATION



FN 65S



FN 40S

Model	FN 65S	FN 40S
Standard Inlet Coupling	2 ½ inch NH Female	1 ½ inch NH Female
Flow Range	up to 200 GPM (760 LPM)	up to 130 GPM (490 LPM)
Weight	4.5lbs (2.1kg)	3lbs (1.3kg)
Reduction Ratio of Reaction Force (at 0.7 Mpa)	35%	32%

## COMPARISON WITH OTHER PRODUCT



Normal Nozzle(1 ½ inch)



Smart Nozzle(1 ½ inch)

# PORTABLE MONITOR HOSE REEL EMERGENCY FIRE EXTINGUISHING SYSTEM

The Portable monitor is a fire suppression device that is designed to minimize the reaction force generated during water spraying and can be easily

The hose reel Emergency Fire Extinguishing System is designed for convenient use as the hose is wound around the reel, so the hose is not folded or bent, and when a fire occurs, the reel rotates and the hose is released.



## USAGE

### 1 Efficient early fire suppression possible

By changing the diameter of the hose reel from 1" to 1.25", the water volume and spray distance were improved, and high-pressure water spraying was possible using a portable monitor, thereby improving fire suppression efficiency.

### 2 It can be water sprayed unmannerly, preventing user injury

The portable monitor can be unmanned water spray with lower reaction force. It is possible to protect user injury.

### 3 Convenient movement and installation

The portable monitor connected to the hose automatically releases from the reel when user moving, so it can be freely and easily installed anywhere.





# PORTABLE MONITOR HOSE REEL EMERGENCY FIRE EXTINGUISHING SYSTEM SPECIFICATION



FN40B (At installation)



FN40B (When stored)



<b>Model</b>	<b>FN 40B</b>
Standard Inlet Coupling	1 ½ inch NH Female
Flow Range	up to 300 GPM (1130 LPM)
Weight	33lbs (15kg)
Operation Method	Manual operation

<b>Model</b>	<b>Emergency Fire Extinguishing System (50M)</b>	<b>Emergency Fire Extinguishing System (100M)</b>
Size (mm)	Horizontal 1000 * Height 1360 * Vertical 650	
Hose Reel	1 ¼ inch * 197inch	1 ¼ inch * 394 inch
Standard Inlet Coupling	1 ½ inch	1 ½ inch
Angle Valve	1 ½ inch	1 ½ inch

# PORTABLE SELF-STANDING MONITOR



# PORTABLE SELF-STANDING MONITOR





# PORTABLE MONITOR HOSE REEL EMERGENCY FIRE EXTINGUISHING SYSTEM







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