

## Wildfire Nozzles HS nozzles



**⚠ WARNING**

Read this instruction manual prior to use.

Using this device without understanding this products' operation and care may lead to injury. If you do not understand how to use this device and do not receive proper training, do not use this product.



# 1.0 WARRANTY

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- AWG Fittings, LLC warrants to the original purchaser and all subsequent purchasers of the AWG Fittings LLC products that the product is free from defects in material and workmanship during a one (1) year period from the date of its sale by AWG Fittings, LLC.
- AWG Fittings, LLC's obligation under this warranty is specifically limited to replacing or repairing any product which is determined by AWG Fittings LLC's inspection to be in a defective condition attributed to AWG Fittings, LLC's manufacturing or design. If AWG Fittings, LLC determines the product is defective, then AWG Fittings, LLC will repair or replace the product during the warranty period. The purchaser or beneficiary must notify AWG Fittings, LLC of any alleged defect within a reasonable time period.
- If AWG Fittings, LLC determines that the product is defective, then it will replace the product, repair the product or refund the purchase price, at AWG Fittings, LLC's election.
- This warranty is a LIMITED WARRANTY. The original purchaser of the product and any subsequent purchaser of the product and any person who is an intended or unintended beneficiary of the product shall not be entitled to recover from AWG Fittings, LLC any consequential or incidental damages for injury to person and/or property resulting from any defective product manufactured or assembled by AWG Fittings, LLC. It is agreed that the price stated and paid for the product is in part consideration for limiting AWG Fittings, LLC's liability.
- This is a limited Expressed Warranty Only. AWG Fittings, LLC EXPRESSLY DISCLAIMS WITH RESPECT TO THE PRODUCT ALL IMPLIED WARRANTIES OF **MERCHANTABILITY** AND ALL IMPLIED WARRANTIES OF **FITNESS FOR A PARTICULAR PURPOSE**.
- There are NO WARRANTIES of any nature made by AWG Fittings, LLC beyond that stated in this Warranty

# 2.0 Safety and Cautions

## Safety words defined

### DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury

### WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

### CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

## Safety and Cautions

### DANGER

This equipment is to be used by trained firefighting personnel only. Failure to obtain proper training may result in severe injury or death.

### DANGER

Do not exceed maximum operating pressure. Exceeding the maximum rated pressure for this appliance may cause malfunction, or failure resulting in severe injury or death.

### DANGER

Failure of fittings and hoses can result in injury. Use caution not to exceed hose pressures as stated in NFPA 1961 for the type of hose being used.

### DANGER

Make sure all connections are secure and complete. Failure to ensure proper connection may result in leaks or cause the devices to become disconnected under pressure, resulting in injury or death.

### DANGER

Open and close all valves slowly. Failure to operate valves slowly may cause water hammer, which may result in damage or failure of hose, coupling devices, and appliances leading to injury or death.

### WARNING

Do not use if damaged. Damage to product may cause malfunction or failure. Remove from service until unit can be repaired.

### WARNING

Check for damage or worn coupling connections. Damage or worn connections may become disconnected under pressure. Remove from service to be repaired by an AWG certified repair facility.

### CAUTION

For use with fresh or salt water, with or without firefighting foam.

### WARNING

Altering of this device may reduce its operating effectiveness, or safety. Do not alter or change in any way from its intended design.

# 3.0 Overview

Construction:  
 Twist shut off  
 Filled fog pattern  
 Salt water resistant  
 Ergonomic aluminum pistol grip with anti slip end

Style	Fog pattern	Pistol grip	Swivel inlet	length	Weight (lbs)	GPM@100 psi
HS-7	hollow		1"	10 .375"	8	25
HS-7 PG	hollow	x	1"	10 .375"	1 .125	25
HS-12	hollow		1.5"	13 .375"	2 .375	75-125
HS-12 PG	hollow	x	1.5"	13 .375"	3 .25	75-125

## 3.0 Overview

The HS series nozzle has a twist shut off and adjustable fog pattern from 120° to straight stream.

**⚠ DANGER**

This nozzle may only be used by properly trained firefighting personnel who have read and understand the proper operation of this equipment. Failure to receive the proper training or understanding the operation of this equipment may lead to its improper use and lead to serious injury or death.

**⚠ WARNING**

Nozzle reaction can pose a hazard to the nozzle operator if he/she is not prepared to restrain the force. The operator must be prepared for changes in the reaction force due to pattern changes and changes in the hose line pressure.

**⚠ WARNING**

The nozzle may become out of control if the nozzle operator fails to react to changes in nozzle reaction or falls due to loss of footing. **DO NOT** attempt to regain control of an out of control nozzle while it is under pressure. Retreat to a safe area and shut down the hose line at its supply. Injury from a whipping hose line can occur.

**⚠ WARNING**

Pressurized water streams can cause injury to people. Use caution when operating fire streams, do not intentionally direct the fire steam at people.

**⚠ DANGER**

Water can conduct electricity and applying water on or near electrical equipment can cause injury or death from electrocution. The use of foam and/or salt water can increase the conductivity of the water stream

# 4.0 Operation



The nozzle is shut off when the rubber bumper tip is rotated counterclockwise until it stops. Slowly rotate the tip clockwise to open the nozzle it will start in the full 120° fog pattern. Continue rotating the tip clockwise to narrow the fog pattern to a straight stream.

## **⚠ DANGER**

Securely connect the nozzle to the hose line.

➤ If connected with a non-threaded coupling (i.e. Storz) be sure the locking device is fully engaged, failure to engage the locking device may lead to the nozzle becoming disconnected under pressure.

Make sure all connections are secure and complete. Failure to ensure the proper connection may result in leaks or cause the devices to become disconnected under pressure resulting in injury or death.

Check for damaged or worn coupling connections. Damaged or worn connections may become disconnected under pressure. Remove from service and repair appropriate parts.

## **⚠ WARNING**

Make sure you have a firm grasp of the nozzle and have your balance before filling the hose with water and pressurizing the hose. The pressurized hose line may push, turn or jump if not held onto properly causing injury.

With the nozzle in the closed position slowly fill the hose line with water to prevent water hammer. Water hammer may damage fittings, couplings and valves resulting in injury.

## **⚠ WARNING**

When using the nozzle always open and close the nozzle slowly to prevent water hammer.

While the hose line is filling, open the nozzle slightly to bleed off trapped air from the hose.

## **⚠ WARNING**

Once the air has been bled and water is flowing from the nozzle, make sure the desired pattern is selected then begin firefighting operations, the fog pattern may be adjusted as needed.

# 4.0 Operation

**⚠ WARNING**

Objects, dirt and debris may flow through the hose line up to the nozzle causing a partial blockage and reduced flow of water through the nozzle. This will create an inadequate flow of water or irregular fog pattern which may be dangerous during firefighting operations.

**⚠ WARNING**

The hose must be shut down and the nozzle removed from the hose line. Prior to shutting down the hose line, retreat to a safe area immediately.

When its safe to do so, shut down the hose line, remove the nozzle and clean out the obstructing debris.

When the obstruction is cleared, reattach to nozzle to the hose line completely and securely and continue firefighting operations

Make sure all connections are secure and complete. Failure to ensure the proper connection may result in leaks or cause the devices to become disconnected under pressure resulting in injury or death.

**⚠ DANGER**

➤ If connected with a non-threaded coupling (i.e. Storz) be sure the locking device is fully engaged, failure to engage the locking device may lead to the nozzle becoming disconnected under pressure.

# 4.0 Operation

**⚠ WARNING**

When operations are complete, shut down nozzle and hose line and bleed off any excess pressure in the hose line prior to disconnecting the nozzle.

Attempting to disconnect the nozzle without removing pressure from the hose line may result in injury.

**⚠ WARNING**

Inspect the nozzle for damage or malfunctioning parts before and after each use and during the normal maintenance routine.

**⚠ DANGER**

If any part of the nozzle is not working correctly, discontinue use and remove the nozzle from service until repairs can be made. Continued use of a nozzle that is malfunctioning may result in failure causing injury or death.

Do not use if damaged. Damage to product may cause malfunction or failure. Remove from service until unit can be repaired.

Check for damaged or worn coupling connections. Damaged or worn connections may become disconnected under pressure. Remove from service and repair appropriate parts.

Foam may be used with this appliance. Make sure to flush completely with fresh water after use.

Salt water may be used with this appliance. Be sure to flush with large amounts of fresh water after use with salt water. Salt water may shorten the service life of this appliance due to corrosion.



## 5.0 Care and Maintenance



Exercise all control valves flow lugs and pattern selector routinely to ensure smooth operation.

Periodically clean and rinse the nozzle to reduce the build up of dirt and debris inside the nozzle.

Lubricate as necessary with an AWG recommended lubricant. AWG lubricant is water resistant and does not contain mineral oil, solvents or silicone.

Do not use excessive amounts of lubricant, over lubricating may cause dirt to collect inside the valve.

Use only recommended lubricant, improper lubricants may cause premature failure of o-rings and seals.

Apply lubricant to the following points to ensure smooth operation: