

# CHIEFXD™

## Nozzles and Tips Installation, Operating, & Maintenance Instructions



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## PRODUCT SAFETY INFORMATION

- All personnel who may be expected to use this equipment must be thoroughly trained in its safe and proper use.
- Appropriate personal protective equipment, including eye protection, should be used while working with this equipment.
- Before flowing water from this device, check that all personnel (fire service and civilian) are out of the stream path. Also, check to make sure stream direction will not cause avoidable property damage.
- Become thoroughly familiar with the hydraulic characteristics of this equipment, and the pumping system used to supply it. To produce effective fire streams, operating personnel must be properly trained.
- Open water valves supplying this equipment slowly so that piping & hoses fill slowly, thus preventing possible water hammer occurrence.
- After each use, and on a scheduled basis, inspect equipment per instructions in the Maintenance section.



**Important: Before installing and operating provided equipment, read this manual thoroughly. Proper installation and understanding of the intended use of the Chief XD is essential to safe operation.**

### SYSTEM INFORMATION:

NOZZLE or Tip (TYPE, GALLONAGE, SERIAL NUMBERS, COLOR, DATE RECEIVED, ETC.):

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## OVERVIEW

The Chief XD series of handline nozzles and tips is of constant (fixed) gallonage design and available in 50, 75 and 100 psi flow rate options. The constant flow feature maintains the same flow rate throughout the stream pattern selection from straight stream to wide fog. The Chief XD series is rugged, simple and effective.

## FEATURES

### Nozzle Shutoff –

The shutoff portion of the nozzle features a double drive, double stop forged metal bale handle for years of dependability and service. The full round metal valve ball creates a smooth unobstructed waterway to help deliver efficient and accurate flow. The valve ball seals against two hydraulically balanced self-lubricating seats which make operation easy and dependable. The shutoff inlet features a full time (free) swivel that allows the nozzle to be rotated without breaking the hose connecting and eliminating chance of injury by the operator. The shutoff body is constructed of forged metal for maximum strength. The metal pistol grip is designed for maximum grip with or without a gloved hand. The ergonomic inserts in both the pistol grip and bale handle can be color coded and provide additional grip while handling the nozzle. Laser etching for all markings on the shutoff provide years of identification.

### Nozzle Tip –

The tip has a metal forged nozzle body for maximum strength. Stainless steel spinning teeth or urethane fixed teeth that will not break. If necessary, either teeth option can be easily removed and replaced. The ergonomic bumper, with seven color options, protects and allows for easy rotation of the tip from straight stream to flush (counterclockwise) and from flush to straight stream (clockwise). Pattern adjustments are guided by Acme threads for extreme reliability. When rotated (counterclockwise) past wide fog, the flush feature opens up the waterway and allow debris to pass without ever shutting down. Field changeable stem heads provide flexibility to the end user. Like the shutoff, all markings are laser etched for years of readability.

### Nozzle Tip Only –

The tip only product has the same great features as the nozzle tip. It comes standard with a rigid base and can be paired with the XD Shutoff (see [www.elkhartbrass.com](http://www.elkhartbrass.com) for information on the XD Shutoff).



## INSTALLATION INSTRUCTIONS

Prior to attaching the nozzle or tip, ensure that there is a gasket behind the inlet threads. This will assure that the nozzle or tip will not leak at the connection.

## MAINTENANCE AND CARE INSTRUCTIONS

### Care

The Chief XD series of nozzles and tips is designed to provide years of trouble free service. The nozzle should be treated with care and not be used as battering ram, sledge hammer, or forcible entry tool.

Weekly visual inspections and monthly operational checks should ensure excellent reliability. All nozzles and tips should be flow tested before entering any hazardous environment to ensure equipment is operating properly.

### Preventive Maintenance

The following maintenance procedure should be followed after each use of the Chief XD nozzle or tip.

#### Chief XD Nozzle or Tip

- Remove from hoseline or other apparatus.
- Inspect the inside and outside of the nozzle for any debris or buildup. Remove any debris and flush inside with fresh clean water clean outside with mild soap & water using a soft cloth and/or soft bristle brush.
- Inspect the nozzle shutoff and remove any debris. OPEN/CLOSE the shutoff to ensure no debris is caught and flush with fresh clean water.
- Rotate tip through pattern positions to ensure it moves freely. If not working freely, retaining ring might need to be removed and Acme threads cleaned and re-greased.
- Rotate the swivel to ensure there is no binding in the joint. By design, the full time (free) swivel does not rotate without force, but check to make sure it will rotate. If binding, remove swivel and clean any debris from ball race. Reinstall.
- Check to make sure gasket inside swivel is not damaged. If so, replace.
- If nozzle or tip has spinning teeth, make sure they spin freely. If not, remove, clean and reinstall using mild soap & water with a soft cloth and/or soft bristle brush.
- Rinse complete nozzle or tip with “fresh” clean water and let dry prior to storing.

## WARRANTY INFORMATION

The Chief XD series offers a 10 year limited warranty against defects in materials or workmanship.



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