

## OSPREY SELECTABLE FLOW FOAM-WATER NOZZLE NDD195

- Selectable Flow Rate and Flushing Option
- Ergonomically Designed Pistol Grip
- Corrosion Resistant
- Selectable Spray Pattern



### Description

The Osprey Selectable Flow Water & Foam Nozzle provides fire fighters with a range of flow combinations to meet their needs without having to leave the area of the incident to change nozzles. This increases foam application when used in conjunction with the optional foam tube.

The ergonomically designed pistol grip, and lever on/off control enable the nozzle to be directed at the same time as the flow rate and spray are adjusted.

The aluminum model body is manufactured in light alloy for ease of handling and all alloy components are hard anodized to provide corrosion protection and a long lasting protective surface finish.

The brass model body is manufactured of highly corrosive resistant materials for use in harsh marine environments.

The flow rate can be set via an easy grip ring on the body to one of 4 pre-set positions. Once operations are completed the flow adjuster can be set to a "Flush" setting to ensure any foam or debris is flushed from the nozzle.

To generate a homogeneous water spray/fog, spinning teeth (made from high grade 316 stainless steel for a

long corrosion-free life) are built into the nozzle end to break up the water stream into small droplets.

Markings on the flow selector ring and the pattern bumper ring are laser etched onto anodized aluminium to ensure they are easy to read and fade free.

Every nozzle is etched with a unique serial number before leaving the factory. The number can be used to log each nozzle into inventory and to track equipment in the field.

A dual seat, low maintenance, hard chrome plated metal ball valve is operated by an easy grip hoop on/off lever. Operation is smooth and progressive to allow the operator complete control over the nozzle action.

A stainless steel mesh inlet screen is fitted as standard to the inlet to guard against materials entering the nozzle, reducing the risk of damage during operation.

The nozzle has a selectable discharge pattern - extra wide spray/fog to straight stream. The spray pattern can be set by rotating the nozzle end from a straight stream to extra wide spray/fog. (27 steps)

The discharge pattern and flow rate can be adjusted separately or together during operation. Adjustment of the discharge pattern does not affect the flow rate which remains constant once set.

An extra wide spray pattern is available for maximum operator protection.

Range when set to straight stream: 167 ft. (51 m) (flow 200 gpm (750 lpm), input pressure 102 psi (7 bar). The straight stream setting can be maintained at a usable level down to inlet pressures as low as 50 psi (3.5 bar).

The Osprey Selectable Flow Nozzle is supplied with a 2½" or 1½" NH female thread as standard. Adapters to allow Storz and BSP inlet connections, and most fire hose fittings in common use worldwide, are available on request. The inlet is fitted with a swivel to allow the nozzle to be rotated continuously on the end of the supply hose.

The Osprey Selectable Flow Nozzle is ideally suited for use with National Foam and Angus foam solutions (either pre-mix or inducted into the supply line). With the addition of the optional foam tube, foam range and quality are maximized.

### (Optional Foam Tube)



# OSPREY

## SELECTABLE FLOW FOAM-WATER NOZZLE

NDD195

### Features

- Selectable spray pattern
- Selectable flow rate and flushing option
- Adjustment ring markings
- Unique serial number
- Shut-off valve
- Stainless steel inlet screen
- FNH swiveled inlet connection

### Technical Data

Applicable Codes & Standards .....NFPA 1964

Min/Max Temperature for Normal Use:

Min: ..... -4°F (-20°C)

Max: ..... 122°F (+50°C)

Operating Pressure:

Min: ..... 50 psi (3.5 bar)

Max: ..... 203 psi (14 bar)

Optimum Design Pressure ..... 101 psi (7 bar)

Test Pressure:

(shut-off valve closed).....334 psi (23 bar)

Body Materials ..... Brass or Aluminum

Media:

- Hard Anodized Aluminum Body - Fresh water (Potable) and fire fighting foam
- Brass Body - Sea water and fire fighting foam

Nozzle Tip Operation:

Infinitely adjustable between 110° spray/fog and straight stream

Straight Stream Range:

167 ft. (51 m) (flow 200 gpm (750 lpm), input pressure 102 psi (7 bar))

Performance-Constant Flow Settings:

- 95 gpm (360 lpm)
- 125 gpm (475 lpm)
- 150 gpm (550 lpm)
- 200 gpm (750 lpm)

Nominal Body Size.....2-1/2" (65 mm)

Inlet Connection ..... 2-1/2" or 1-1/2" FNH

Shut-Off.....Hand Operated Lever

Weight.....5.5 lb (2.5 kg)

Overall Length.....9.75" (248 mm)

Finish:

Aluminum.....Hard Anodized

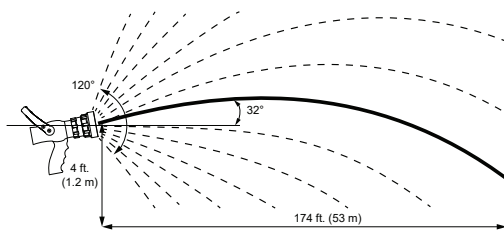
Brass .....Natural

Markings:

Laser etched onto anodized bands

Serial Numbering:

Unique factory etched serial number



### Service and Maintenance

The Osprey Selectable Flow Nozzle requires only minimal maintenance during operation provided the unit is regularly flushed after being used with foam or contaminated water.

It is recommended that the nozzle is inspected and tested annually. Service Kit: Ref No 1002 is available should service be required.

### Options

- Nozzle tip only
- 1-1/2" NH, BSP & Storz
- Alternative inlets - Storz, BSP (inlets to meet all worldwide fire hose connections in common use on request)
- Osprey nozzle with brass or aluminum body
- Foam tube - mountable to end of nozzle to improve foam flow characteristics and quality
- Constant pressure (inlet) model. Flow is automatically adjusted to provide for a constant inlet pressure
- Alternative flow ranges(contact NF)

### ORDERING INFORMATION

| Part Number              | Description  |
|--------------------------|--|
| Coming Soon - Contact NF | Osprey 2-1/2" Brass Selectable Flow Foam/Water Nozzle NH (F) Swivel    |
| Coming Soon -Contact NF  | Osprey 2-1/2" Aluminum Selectable Flow Foam/Water Nozzle NH (F) Swivel |
| Coming Soon - Contact NF | Osprey 1-1/2" Brass Selectable Flow Foam/Water Nozzle NH (F) Swivel    |
| M258033                  | Osprey 1-1/2" Aluminum Selectable Flow Foam/Water Nozzle NH (F) Swivel |
| Coming Soon - Contact NF | Osprey 2-1/2" Brass Selectable Flow Foam/Water Nozzle BSP (F)          |
| Coming Soon -Contact NF  | Osprey 2-1/2" Aluminum Selectable Flow Foam/Water Nozzle BSP (F)       |
| M258038                  | Osprey 1-1/2" Brass Selectable Flow Foam/Water Nozzle BSP (F)          |
| M258030                  | Osprey 1-1/2" Aluminum Selectable Flow Foam/Water Nozzle BSP (F)       |
| M258004                  | Foam Tube Model 214  |
| M258087                  | Repair Kit - Style 1002  |