

JS-6 & JS-10 HANDLINE FOAM NOZZLE

NDD120

Approvals: UL, ULC

- Air Aspirating For Use With All Foam Concentrates
- Lightweight And Portable For Mobility
- Variable Spray Or Straight Stream Control
- Rugged Aluminum Or Brass Construction
- Operates With Fresh Or Sea Water



Description

The JS-6 and JS-10 series nozzles are air aspirating hand line nozzles designed to maximize mobility and fire fighting capability. The fully aspirating design provides superior performance by maximizing foam expansion and 25% drainage life. Increasing expansion and 25% drainage life produces the most effective, long lasting foam blanket. The superior performance of the JS nozzles is utilized by firefighting professionals around the world to optimize their capabilities. Its performance makes it one of most popular foam nozzles used by other foam manufacturers to pass the stringent Underwriters Laboratories testing.

Features

- Air aspirating for use with all foam concentrates
- Lightweight and portable for mobility
- Variable spray or straight stream control
- Rugged aluminum or brass construction
- Operates with fresh or sea water

Applications

The JS-6 or JS-10 can be used wherever manual application of foam is required; tank farms, process units, chemical plants, loading racks, fixed foam system hydrants, hose reels, etc. The corrosion resistant materials are designed to withstand harsh environments for a long service life. The rugged construction and simple, reliable performance make it

ideal for Aircraft Rescue and Fire Fighting (ARFF) and municipal fire departments.

The air aspirating design makes the JS series nozzles suitable for use with all low expansion foam concentrates; protein, fluoroprotein, AFFF, and AR-AFFF. JS nozzles can be used with all types of foam proportioning equipment.

Approvals and Listings

- Underwriters Laboratories: JS-6, JS-6B, JS-10, & JS-10B
- Underwrites Laboratories, Canada: JS-6, JS-6B, JS-10, & JS-10B
- United States Coast Guard: JS-10B

The JS-10 and JS-10B nozzle has successfully passed UL-162 7th Edition test criteria to assure performance with most National Foam concentrates. See UL Fire Protection Equipment Directory for details.

Specifications

The nozzle shall be a portable, air aspirated design for use with all types of foam concentrates. The nozzle shall be constructed of light weight aluminum materials with a fused polyester powder coat finish. Nozzle shall also be manufactured in corrosion resistant brass and stainless steel, with a fused polyester powder coat finish, for use in marine and other hostile environments. Rated capacity of the nozzle shall be 60 or 100 GPM (227 or 378 lpm) at 100 PSI (6.9 bar). The nozzle flow path shall be configured with multiple flow jets to

divide the solution stream for induction and mixing of air thus providing the optimum foam expansion and 25% drainage time. The nozzle discharge shall be fitted with a quarter turn spray-straight stream pattern adjustment. The nozzle shall be UL Listed, and ULC Listed.

Technical Data

Materials of Construction:

Aluminum Model:

Foam MakerAlum ASTM A356
Deflector housing...Alum. ASTM A356
Discharge Tube Aluminum 6061-T6
Spray Deflector 316 SS ASTM A351

Brass Model:

Foam MakerBronze ASTM B62
Deflector housing....Bronze ASTM B62
Discharge Tube.....Brass ASTM B135
Spray Deflector..... 316 SS ASTM A351

Inlet Connection:..... 1½" (38mm)NH or
NPSH Standard

Rated Capacity:

JS-10 Models..... 100 GPM @ 100 PSI
(378 LPM @ 6.9 Bar)

JS-6 Models..... 60 GPM @ 100 PSI
(227 LPM @ 6.9 Bar)

Max. Operating Pressure:.....150 PSI
(10.3 Bar)

Finish:

All Models:

T.G.I.C. Polyester Powder Coat

Weight:

Aluminum Model.....4.0 lbs. (1.9 Kg)
Brass Model..... 13.0 lbs. (5.9 Kg)

JS-6 & JS-10

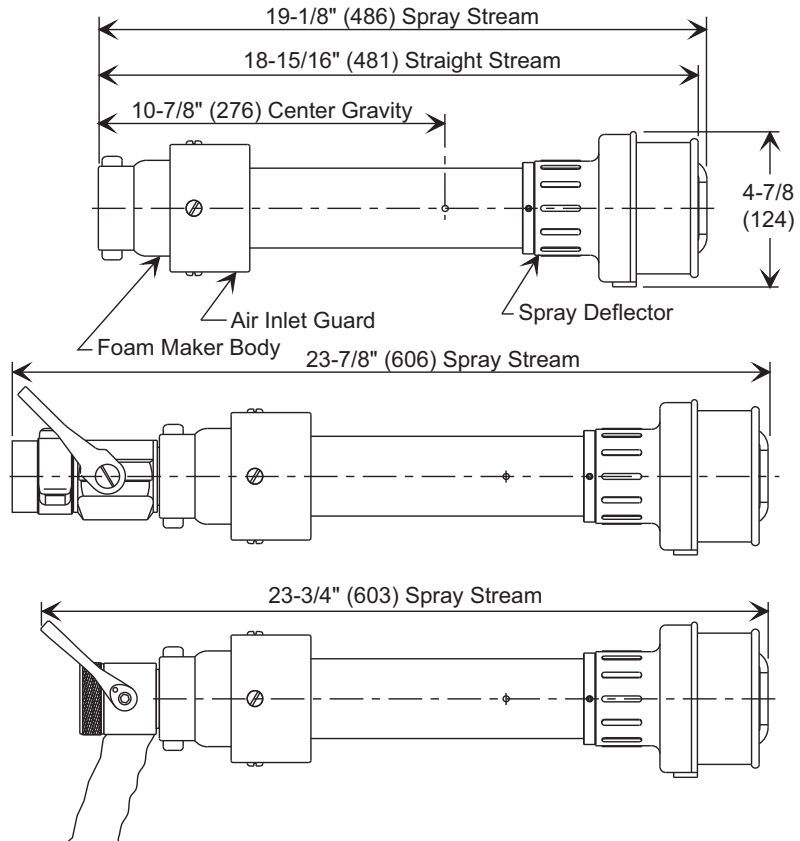
HANDLINE FOAM NOZZLE

NDD120

Performance Data

JS-6 Foam Nozzle					
Pressure		Flow		Range	
psi	bar	gpm	lpm	feet	meters
50	3.5	42	159	40	12.2
75	5.2	52	197	52	15.8
100	6.9	60	227	55	16.8
125	8.6	67	254	60	18.3
150	10.3	73	276	65	19.8

JS-10 Foam Nozzle					
Pressure		Flow		Range	
psi	bar	gpm	lpm	feet	meters
50	3.5	71	269	42	12.8
75	5.2	86	326	56	17.1
100	6.9	100	379	65	19.8
125	8.6	111	420	76	23.1
150	10.3	122	462	82	25.0



ORDERING INFORMATION

PART NUMBER	DESCRIPTION*	THREAD	LBS	(Kg)
1251-1000-4	JS-6 (Nozzle Only - Without Ball Shutoff)	1-1/2" NH	4.2	(1.9)
1251-1000-5	JS-6 (Nozzle Only - Without Ball Shutoff)	1-1/2" NPSH	4.2	(1.9)
1251-1001-3	JS-10 (Nozzle Only - Without Ball Shutoff)	1-1/2" NH	4.2	(1.9)
1251-1101-3	JS-10 (Nozzle Only - Without Ball Shutoff)	1-1/2" NPSH	4.2	(1.9)
1251-1000-6	JS-6B (Nozzle Only - Without Ball Shutoff)	1-1/2" NH	12.5	(5.7)
1251-1000-7	JS-6B (Nozzle Only - Without Ball Shutoff)	1-1/2" NPSH	12.5	(5.7)
1251-1005-3	JS-10B (Nozzle Only - Without Ball Shutoff)	1-1/2" NH	12.5	(5.7)
1251-1105-3	JS-10B (Nozzle Only - Without Ball Shutoff)	1-1/2" NPSH	12.5	(5.7)
1231-2006-5	Ball Shutoff with Pistol Grip (Aluminum)	1-1/2" NH	2.0	(0.9)
1231-2006-8	Ball Shutoff with Pistol Grip (Aluminum)	1-1/2" NPSH	2.0	(0.9)
1231-1031-5	Ball Shutoff - No Pistol Grip (Brass)	1-1/2" NH	3.5	(1.6)
1231-1031-7	Ball Shutoff - No Pistol Grip (Brass)	1-1/2" NPSH	3.5	(1.6)

*Note: "B" in description designates brass version.