

























# MASTER STREAM
























## SELECTOR GUIDE

# MASTER STREAM

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	AVAILABLE BASE	PRODUCT	DESCRIPTION	MATERIAL			"QUICK-KEY"
				Brass	Composite	Elk-O-Lite®	
<b>FIXED</b>	<b>5000E</b> Available GPM (LPM) 15-475 (57-1798)	 Page 6-3	<ul style="list-style-type: none"> <li>Combination nozzle</li> <li>12 or 24 VDC enclosed and sealed motor</li> </ul>	Brass Composite Elk-O-Lite®	 		
						1.5 2.5 3.5	
<b>AUTOMATIC</b>	<b>SIM-10FE</b> Available GPM (LPM) 20-120 (76-454)	 Page 6-3	<ul style="list-style-type: none"> <li>Simplifies fireground hydraulics</li> <li>Maintains effective flow stream</li> <li>12 or 24 VDC enclosed and sealed motor</li> </ul>	Brass Composite Elk-O-Lite®	 		
						1.5 2.5 3.5	
<b>FIXED/SELECTABLE</b>	<b>R.A.N.</b> Available GPM (LPM) 250-500 (946-1893)	 Page 6-5	<ul style="list-style-type: none"> <li>Designed for use with R.A.M.</li> <li>Integral stream shaper</li> <li>1/4 turn stream adjustment</li> <li>Optional oscillating configuration available</li> </ul>	Brass Composite Elk-O-Lite®	  		
						1.5 2.5 3.5	
<b>AUTOMATIC</b>	<b>X-STREAM®</b> Available GPM (LPM) 300-2000 (1136-7571)	 Page 6-6	<ul style="list-style-type: none"> <li>Simplifies fireground hydraulics</li> <li>Maintains effective flow stream</li> <li>Calibrated at lower pressures - 75 &amp; 80 PSI</li> </ul>	Brass Composite Elk-O-Lite®	      		
						1.5 2.5 3.5	
<b>SELECTABLE</b>	<b>6000</b> Available GPM (LPM) 15-700 (60-2700)	 Page 6-9	<ul style="list-style-type: none"> <li>Designed for use with Sidewinder EXM</li> <li>Maintains effective flow stream</li> <li>Motor enclosed and sealed</li> </ul>	Brass Composite Elk-O-Lite®	 		
						1.5 2.5 3.5	
<b>FOAM EXPANSION TUBES</b>	Available GPM (LPM)	 Page 6-10	<ul style="list-style-type: none"> <li>Quick-snap connection</li> <li>Composite or metal construction</li> </ul>	Brass Composite Elk-O-Lite®	 		
						1.5 2.5 3.5	

	AVAILABLE BASE			PRODUCT	DESCRIPTION	MATERIAL			"QUICK-KEY"	
	1.5	2.5	3.5			Brass	Composite	Elk-O-Lite®	Hand	Electrical
<b>FIXED</b>	<b>SELECT-O-STREAM®</b>			 <i>Page 6-11</i>	<ul style="list-style-type: none"> <li>Fully machined waterway for excellent stream quality</li> <li>Large handles for easy stream pattern management</li> <li>Constant Flow Nozzle</li> </ul>	•	•	•	  	
	Available GPM (LPM) 350-1000 (1325-3785)									
<b>SELECTABLE</b>	<b>SELECT-O-FLOW®</b>			 <i>Page 6-13</i>	<ul style="list-style-type: none"> <li>Large handles for easy stream pattern management</li> <li>Operator set flow and stream</li> <li>Selectable Flow Nozzle</li> </ul>	•	•	•	  	
	Available GPM (LPM) 300-1250 (1136-4732)									
<b>FIXED</b>	<b>MYSTERY</b>			 <i>Page 6-14</i>	<ul style="list-style-type: none"> <li>Created for Industrial applications</li> <li>Large handles for easy stream pattern management</li> <li>Low maintenance</li> </ul>	•	•	•	  	
	Available GPM (LPM) 350-2000 (1325-7571)									
<b>AUTOMATIC/FIXED</b>	<b>SELF-EDUCTING</b>			 <i>Page 6-15</i>	<ul style="list-style-type: none"> <li>Self-educing Class A and B foam</li> <li>1/2%, 1%, 3%, or 6% proportioning</li> <li>Field-adjustable foam proportioning</li> </ul>	•	•	•	    	
	Available GPM (LPM) 350-2000 (1325-7571)									
<b>ADJUSTABLE/FIXED</b>	<b>FIXED SYSTEM</b>			 <i>Page 6-19</i>	<ul style="list-style-type: none"> <li>Designed for use in fixed system applications</li> <li>Field-adjustable flow rate and fog pattern up to 120°</li> </ul>	•	•	•	 	
	Available GPM (LPM) 5-1000 (20-3780)									

**KEY:**

											
Electrical Operation	Manual Operation	Remote Control Operation	Hydraulic Operation	Hazardous Location	Self-Educting Foam	Foam Compatible	Underwriters Laboratories	Twist Shut-off Available	Low Pressure Available	Conformity European	Factory Mutual



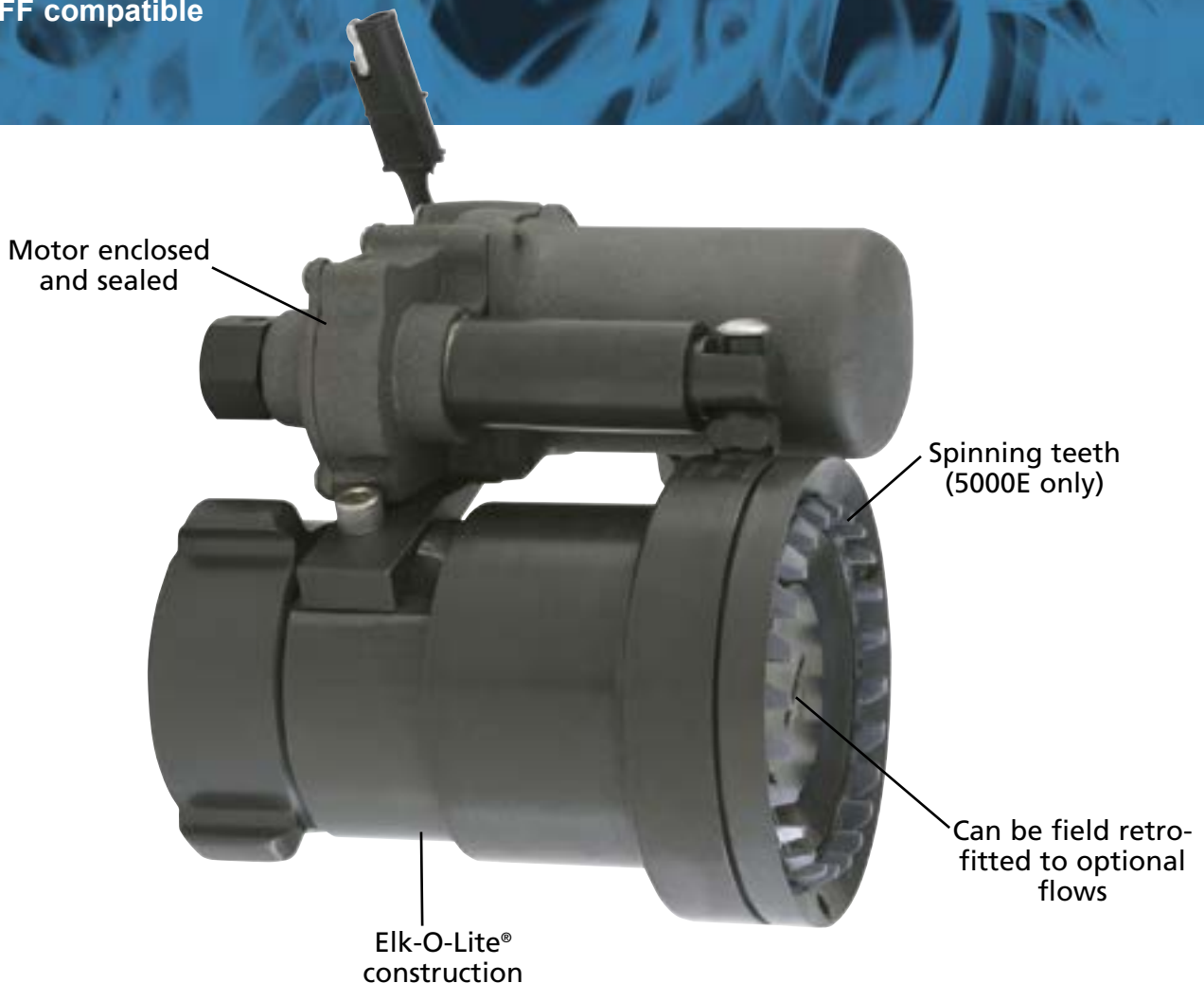
5000E & SM-10FE

MASTER STREAM

## 5000E & SM-10FE

- Created for the specific challenges, such as water flow limitations and protection needs, of wildland firefighting, dust abatement, de-icing, etc.
- Used in conjunction with smaller monitors such as the Sidewinder®
- Constant flow — straight stream, narrow fog (30°), or wide fog (90°) — with spinning teeth
- Either automatic or fixed flow nozzle type available
- Motor (12V or 24V DC available) totally enclosed and sealed
- Manual override standard
- Lightweight Elk-O-Lite® construction with hard anodized finish
- AFFF compatible

6-3



Base Size	AVAILABLE STANDARD FLOW RATES (Fixed) GPM (LPM)														STANDARD FLOW RANGE (Automatic) GPM (LPM)	TEETH		Effective Reach at Highest Flow (Ft.)	Weight (Lbs.)	MODEL	FIGURE	
	15 (57)	30 (114)	45 (170)	60 (227)	75 (284)	95 (360)	125 (473)	150 (568)	175 (662)	200 (757)	250 (946)	350 (1325)	400 (1514)	475 (1798)		Spinning	None					
	PSI (BAR) 100 ( 6.89)																					
1.5"	•	•	•														•		85	3.1	5000-04E	2
				•	•	•	•	•									•		124	3.1	5000-14E	2
									•	•	•	•	•	•			•		150	3.1	5000-24E	2
																		•		115	4.9	SM-10FE*

\* Suitable for de-icing / anti-icing use

### CONFIGURATIONS



Figures depict general product types only and are not intended to be inclusive of all product features.

BASE SIZE	FLOW RATES GPM (LPM)	PRESSURE PSI (BAR)	Effective Reach (Feet) @ Highest Flow	Weight (Lbs.)	MODEL	FIGURE
1.5"	15/30/45/60/95/125/150/200/FLUSH (60/120/170/250/360/500/550/750/FLUSH)	100 (6.89)	124	4.7	6000-200E	3



OPTIONS
THREADS
<i>All nozzles are NHT unless otherwise specified. See index T-13 for optional base threads.</i>



# MASTER STREAM



R.A.N.™ – RAPID ATTACK NOZZLE

MASTER STREAM

## R.A.N.™

- Designed to operate in conjunction with the R.A.M. at high flows with lower pressure (rated for 500 gpm at 75 psi)
- Integral stream shaper reduces weight and bulk
- 2.5" constant flow nozzle – straight stream, narrow fog (30°), or wide fog (90°)
- Quick turn from straight stream to full fog
- Compatible with foam concentrate



Elk-O-Lite® construction



Integral stream shaper

6-5

Base Size	AVAILABLE STANDARD FLOW RATES	PRESSURE	FLOW TYPE		Oscillation	Effective Reach (Feet) @ 500 GPM	Weight (Lbs.)	MODEL	FIGURE
			Fixed	Selectable					
2.5"	GPM (LPM)	PSI (BAR)							
	500 (1893)	75 (5.17)	•			180	3.2	3896	1
	250/350/500 (946/1325/1893)			•			180	3.6	3895
500 (1893)			•		•	180	10.75	3890	3

### OPTIONS

#### THREADS

All nozzles are NHT unless otherwise specified. See index T-13 for optional base threads.

Figure 1



Figure 2



Figure 3



## X-Stream®

- Automatically adjusts to maintain effective stream and maximum reach at variable or reduced flows
- Calibrated at lower pressures — 70 and 85 psi — for better suitability to real world conditions
- Constant flow — straight stream, narrow fog (30°), or wide fog (90°) — with hydrodynamic vanes and hub for increased flow efficiency
- Excellent with AFFF or Class A foam applications
- Models available for use in hazardous locations and for gas mitigation
- Gas mitigation nozzle features wider (120°) fog pattern and smooth face tip (no teeth) for optimized water flow characteristics
- Electric motors and connectors are completely sealed, with manual overrides while manual models have large handles for easy stream pattern management
- Corrosion-resistant brass nozzles, for industrial applications, have satin brass finish while Elk-O-Lite® nozzles have a hard anodized finish



\* Not available on gas mitigation model

# MASTER STREAM



X-STREAM®





MASTER STREAM

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Base Size	FLOW RANGES GPM (LPM)	PRESSURE PSI (BAR)	PATTERN CONTROL				MATERIAL	Effective Reach (Ft.)	Weight (Lbs.)	MODEL	FIGURE	FM APPROVED	
			Manual	ELECTRIC		HYDRAULIC							
				STANDARD UNCLASSIFIED	CLASS 1 DIV 2								
					Hazardous Location 120V AC								Gas Mitigation 120V AC
2.5"	350-1000 (1325-3785)	100 (6.89)					Brass	•	-	9.0	SM-500E-HP	2	
				•			•	•	-	9.0	SM-500E	2	
			•				•	•	255	7.5	SM-1000	1	
				•			•	•	255	9.2	SM-1000E	2	
							•	•	255	8.3	SM-1000H	3	
								•	271	7.5	SM-1250	1	
	350-1250 (1325-4732)	75 (5.17)	•				•	•	271	7.5	SM-1250B	1	•
			•				•	•	271	20.6	SM-1250BE	2	
				•			•	•	271	22.5	SM-1250BE	2	
							•	•	271	9.2	SM-1250E	2	
							•	•	271	8.3	SM-1250H	3	
							•	•	271	19.8	SM-1250HB	3	
3.5"	350-1000 (1325-3785)	80 (5.51)	•				•	•	241	7.5	SM-1000	1	
				•			•	•	241	9.2	SM-1000E	2	
							•	•	241	8.3	SM-1000H	3	
						•	•	•	241	27.6	SM-1000BE-HL	4	
	350-1250 (1325-4732)	75 (5.17)	•				•	•	229	7.5	SM-1250	1	
			•				•	•	229	20.6	SM-1250B	1	•
				•			•	•	229	22.5	SM-1250BE	2	
						•	•	•	270	27.6	SM-1250BE-HL	4	•
						•	•	•	270	27.6	SM-1250BE-HLGM	5	•
				•			•	•	229	9.2	SM-1250E	2	
							•	•	229	8.3	SM-1250H	3	
							•	•	229	19.8	SM-1250HB	3	
500-2000 (1893-7571)	80 (5.51)	•				•	•	300	9.2	SM-2000	1		
		•				•	•	300	24.7	SM-2000B	1	•	
			•			•	•	300	26.6	SM-2000BE	2		
					•	•	•	320	32.0	SM-2000BE-HL	4	•	
	70 (4.83)		•				•	•	180	32.0	SM-2000BE-HLGM	5	•
					•	•	•	300	10.5	SM-2000E	2		
						•	•	300	10.0	SM-2000H	3		
						•	•	300	24.8	SM-2000HB	3		



## X-STREAM® CONFIGURATIONS

<b>Figure 1</b>	<p><b>MANUAL</b></p>  <p style="text-align: right;"><i>Fig. 1</i></p>
<b>Figure 2</b>	<p><b>ELECTRIC</b></p>  <p style="text-align: right;"><i>Fig. 2</i></p>
<b>Figure 3</b>	<p><b>HYDRAULIC</b></p>  <p style="text-align: right;"><i>Fig. 3</i></p>
<b>Figure 4</b>	<p><b>HAZARDOUS LOCATION</b></p>  <p style="text-align: right;"><i>Fig. 4</i></p>

Figures depict general product types only and are not intended to be inclusive of all product features.

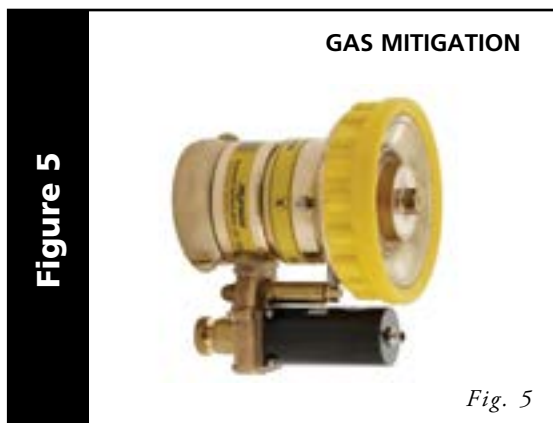
### PRODUCT HIGHLIGHTS

- Gas Mitigation nozzles are designed for use in Class 1, Division 2 fire suppression and protection applications — the nozzles have a specially designed face and wide fog pattern to support the containment of gas vapors. Most commonly, the nozzles are used in areas with hydrofluoric acid vapors.
- The smooth face of the nozzle has been specifically designed to create an unbroken fog pattern.
- The fog pattern has been enhanced to a full 120° to allow for better coverage.

### OPTIONS

#### THREADS

*All nozzles are NHT unless otherwise specified. See index T-13 for optional base threads.*





# MASTER STREAM



6000 SERIES

MASTER STREAM

## 6000

- Designed for optimal performance when used with the Sidewinder EXM
- Features electric actuators for precise pattern control from straight stream to wide fog
- 2.5" constant flow nozzle – straight stream, narrow fog (30°), or wide fog (90°)
- Offers ultra-wide flow range with quick-turn, locking, flow selector ring
- Compatible with foam concentrate



BASE SIZE	FLOW RATES GPM (LPM)	PRESSURE PSI (BAR)	Effective Reach (Feet) @ Highest Flow	Weight (Lbs.)	MODEL	FIGURE
1.5"	15/30/45/60/95/125/150/200/FLUSH (60/120/170/250/360/500/550/750/FLUSH)	100 (6.89)	124	4.7	6000-200E	3
2.5"	15/30/45/60/95/125/150/200/FLUSH (60/120/170/250/360/500/550/750/FLUSH)	100 (6.89)	124	4.7	6000-200E	1
	250/350/500/700/FLUSH (1000/1350/2000/2700/FLUSH)		190	5.8	6000-700E	2



# Foam Expansion Tubes

Lightweight composite foam tubes are corrosion resistant and easy to handle with bases that snap securely onto the nozzle in seconds. The foam tubes are specifically designed to require no alteration of the nozzle itself for use. The base of the tube includes large air intakes; expansion rates are easily varied with nozzle pattern.



Compatible Nozzle Model	FOAM TUBE MODELS		
	251-6	252-8	253-9
R.A.N.™	•		
6000 Series	•		
HF – 350/350A/500/500A	•		
IMS – 350/500	•		
CJ – B/RC/B-RC	•		
SM – 1000/E/H		•	
SM – 1250/E/B/BE/H/HB		•	
SM – 1500E			•
SM – 2000/E/B/BE/H/HB			•
SM – 1000-HF / E-HF			•
SM – 2000-HF / E-HF			•
Foam Tube Details			
Length (Inches)	14.75	16.688	16.136
Weight (Lbs.)	3.0	6.3	7.15
Tube Base	Composite	Metal	Metal





SELECT-O-STREAM®

## Select-O-Stream®

- Constant flow nozzle — straight stream, narrow fog (30°), or wide fog (90°)
- Flow efficient with a fully machined waterway for excellent stream quality
- Elk-O-Lite® nozzles are hard anodized with chrome-plated trim
- Corrosion resistant brass nozzles have a satin brass finish
- Large handles allow for easy stream pattern management
- Grease zerk for easy lubrication of tip threads
- Heavy-duty protective rubber bumper
- AFFF compatible
- Available FM rated

MASTER STREAM


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Base Size	AVAILABLE STANDARD FLOW RATES GPM (LPM)				PATTERN CONTROL		TEETH	MATERIAL		CERT.	EFFECTIVE REACH (Ft.)		Weight (Lbs.)	MODEL	FIGURE
	350 (1325)	500 (1893)	750 (2839)	1000 (3785)	Direct Manual	Remote Control		Cut Metal	Brass		Elk-O-Lite®	At Lowest Flow			
	PSI (BAR) 100 (6.89)														
2.5"	•	•			•		•		•		150	173	5.5	CJ	1
	•	•			•		•	•	•		150	173	12.4	CJ-B	1
	•	•				•	•		•		150	173	7.3	CJ-RC	2
	•	•				•	•	•	•		150	173	14.5	CJ-B-RC	2
			•	•	•		•		•		238	248	6.5	CJN	1
			•	•	•		•	•	•		238	263	15.6	CJN-B	1
			•	•		•	•		•		238	263	8.5	CJN-RC	2
			•	•		•	•	•	•		238	263	17.8	CJN-B-RC	2
	•				•			•				150	10.8	IMS-350*	3
		•			•			•		•		173	10.8	IMS-500*	3
			•		•			•		•		238	13.1	IMS-750	4
				•	•			•		•		263	13.1	IMS-1000	4

\* Wide Fog is 140°

## SELECT-O-STREAM® CONFIGURATIONS

<b>Figure 1</b>	<b>Figure 2</b>
	
MANUAL <span style="float: right;"><i>Fig. 1</i></span>	REMOTE <span style="float: right;"><i>Fig. 2</i></span>
<b>Figure 3</b>	<b>Figure 4</b>
	
IMS-350 <span style="float: right;"><i>Fig. 3</i></span>	IMS-1000 <span style="float: right;"><i>Fig. 3</i></span>

<b>OPTIONS</b>
<b>THREADS</b>
<i>All nozzles are NHT unless otherwise specified. See index T-13 for optional base threads.</i>

Figures depict general product types only and are not intended to be inclusive of all product features.



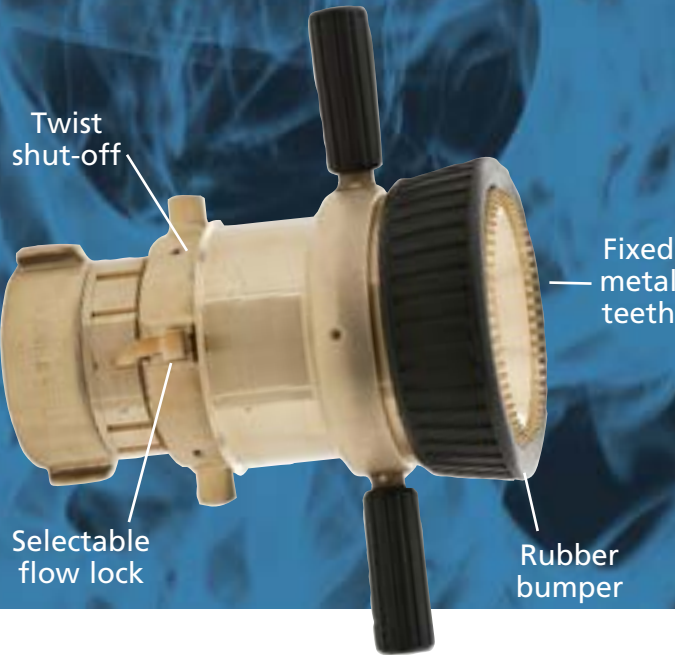
# MASTER STREAM



SELECT-O-FLOW®

MASTER STREAM

## Select-O-Flow®



- Selectable flow rate, changeable even during flowing conditions
- Constant flow nozzle — straight stream, narrow fog (30°), or wide fog (90°)
- Flow efficient with a fully machined waterway for excellent stream quality
- Construction:
  - Elk-O-Lite® nozzles are hard anodized with chrome-plated trim and rubber bumper
  - Corrosion resistant brass nozzles have a heavy-duty protective rubber bumper
- Low maintenance components
- AFFF compatible

6-13

Base Size	FLOW RATES	PRESSURE	MATERIAL		Effective Reach (feet) @ Highest Flow	Weight (Lbs.)	MODEL	FIGURE
			Brass	Elk-O-Lite®				
2.5"	GPM (LPM)	100 (6.89)						
	300/550/750 (1136/2082/2839)		•	221	7.6	CSW	1	
	350/500/750/1000/1250 (1325/1893/2839/3785/4732)		•	350	10.0	CSW-L	1	
			•	350	21.4	CSW-LB	2	

### SELECT-O-FLOW® CONFIGURATIONS

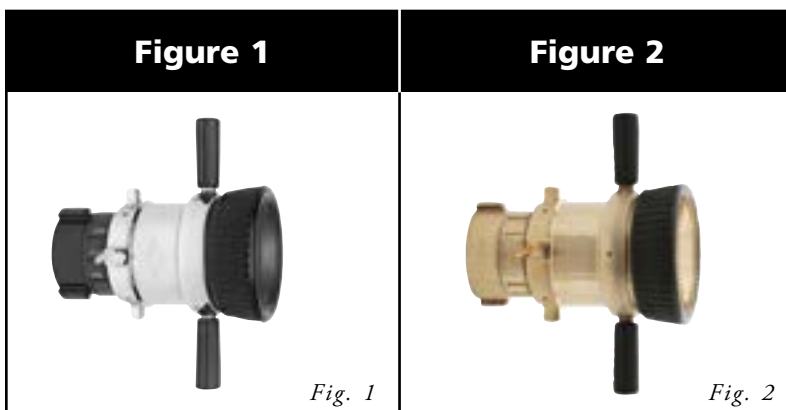


Fig. 1

Fig. 2

#### OPTIONS

#### THREADS

All nozzles are NHT unless otherwise specified.  
See index T-13 for optional base threads.

## Mystery®



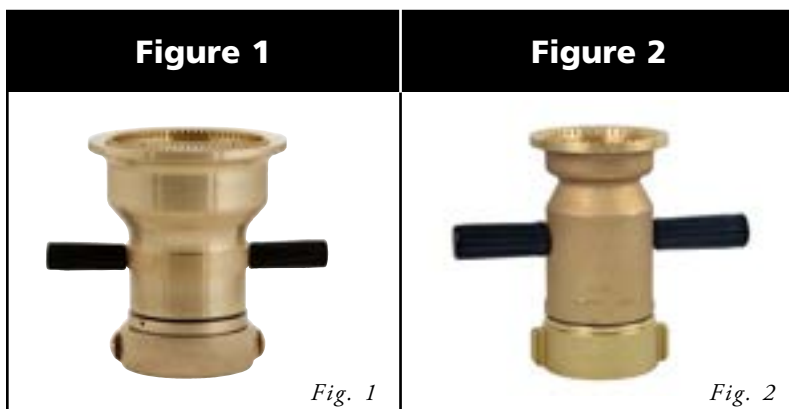
- Original Master Stream fog nozzle, created for industrial applications
- Combination nozzle — straight stream, narrow fog (30°), or wide fog (90°)
  - The J and JN nozzles feature variable flow from shut-off to wide fog
  - The CJK nozzle is a constant flow nozzle
- Low maintenance components and convenient grease zerks

**MASTER STREAM**

6-14

Base Size	AVAILABLE STANDARD FLOW RATES GPM (LPM)							Twist Shut-off	Effective Reach (Ft.)	Weight (Lbs.)	MODEL	FIG.
	350 (1325)	500 (1893)	1000 (3785)	1250 (4732)	1500 (5678)	1750 (6624)	2000 (7571)					
	PSI (BAR) 100 (6.89)											
2.5"	•	•						•	135	8.5	J	2
			•					•	170	9.3	JN	2
3.5"				•	•	•	•		325	22.3	CJK	1

### MYSTERY® CONFIGURATIONS



OPTIONS
THREADS
<i>All nozzles are NHT unless otherwise specified. See index T-13 for optional base threads.</i>

Figures depict general product types only and are not intended to be inclusive of all product features.





SELF-EDUCTING

MASTER STREAM

## Self-Educting

Self-Educting master stream nozzles turn any monitor into a foam station without the use of additional equipment and have been part of Elkhart's fire suppression arsenal for over 20 years. Elkhart is proud to have been one of the pioneers in the development of the Hydro-Foam® line of self-educating nozzles.

Some of the features of self-educating nozzles include:

- Designed specifically for use with Class A and B foam, including AFFF and fluoroprotein
- Field-adjustable foam proportioning with pre-set options
- Combination nozzle — include straight stream, narrow fog (30°), or wide fog (90°)

Since introduction, Elkhart has expanded the self-educating Master Stream nozzle line to include:

- Easy to use, original Hydro-Foam® nozzles of brass or Elk-O-Lite® construction
- X-Stream® nozzles that combine self-educating ability with the convenience of automatic metering

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Foam pick-up hose attachment inlet



Large handles allow for easy pattern management



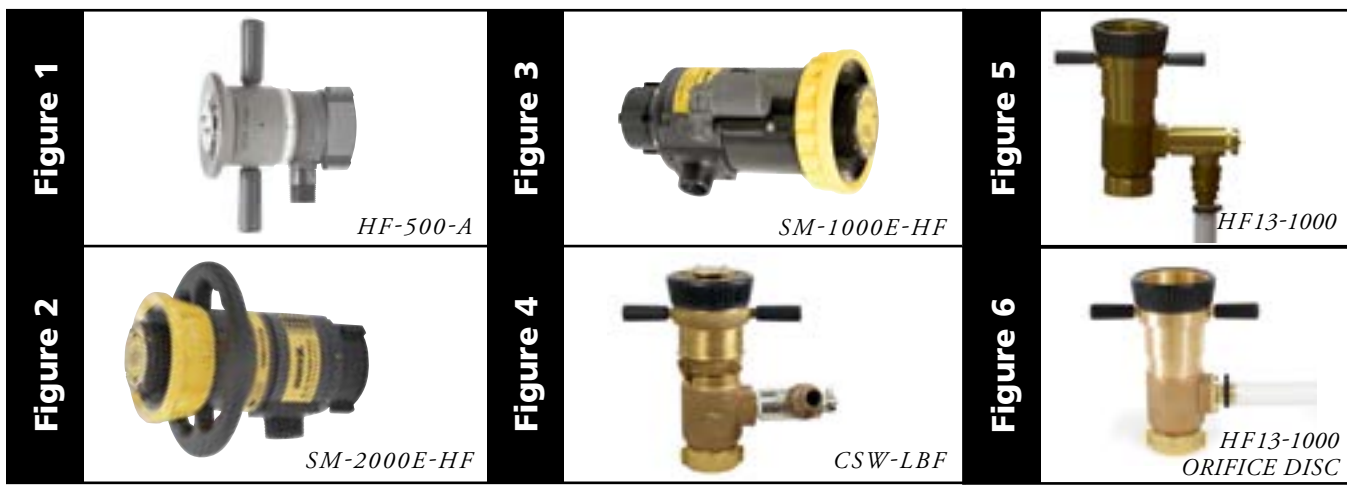
	NOZZLE FAMILY	
	X-Stream®	Hydro-Foam®
Flow Type	Automatic	Fixed
Description	High flow automatic nozzle	Original self-educating nozzle
Benefit	Optimizes use of concentrate and produces effective foam under a variety of conditions	Simple to use and flows well. Elk-O-Lite® version is lightweight and excellent for portable monitor use.
Foam Proportioning	Dual range, field selectable (SM-1000-HF and SM-1000E-HF) or fixed metering (SM-2000-HF and SM-2000E-HF)	Fixed metering via orifice insert

OPTIONS
<ul style="list-style-type: none"> <li>SM-1000E-HF features an 8' pick-up tube</li> <li>SM-2000E-HF features an 8' pick-up tube</li> </ul>
THREADS
All nozzles are NHT unless otherwise specified. See index T-13 for optional base threads.

Base Size	FAMILY / FLOW RATE					FOAM PROPORTIONING						Certifications	MATERIAL / FINISH				Effective Reach (Ft.)	Weight (Lbs.)	MODEL	FIGURE					
	X-STREAM®/AUTOMATIC		HYDRO-FOAM®/FIXED			CONFIGURABLE			SELECTABLE				Electric	UL Listed	Brass (Satin)	Chrome					Composite	Elk-O-Lite®			
	GPM (LPM)								1/2%	1%	3%												6%	1/2% / 1%	1% / 3%
	350-1000 (1325-3785)	750-2000 (2839-7571)	350 (1325)	500 (1893)	750 (2839)	1000 (3785)																			
PSI (BAR) 100 (6.89)																									
2.5"			•				•	•	•	•			•	s	o			145	13.2	HF-350	1				
			•				•	•	•	•			•	s	o		s	145	4.2	HF-350-A	1				
					•			•	•	•				•	s	o		162	13.2	HF-500	1				
					•			•	•	•					s			162	4.2	HF-500-A	1				
	•																s	250	20.7	SM-1000-HF	2				
	•													•			s	250	20.7	SM-1000E-HF	3				
									•						s			212	22	CSW-LBF	4				
															s			200	22	HF13-750	5,6				
3.5"																s	212	22	HF13-1000	5,6					
		•														s	295	21.6	SM-2000-HF	2					
		•											•			s	295	21.6	SM-2000E-HF	3					

KEY s = standard o = option  
 \*Fog pattern is 80°

## SELF-EDUCTING FOAM CONFIGURATIONS



Figures depict general product types only and are not intended to be inclusive of all product features.





## SELF-EDUCTING NOZZLE ACCESSORIES



### QUICK-CONNECT COUPLING

- The brass Quick-Connect Coupling is a convenient way of attaching/detaching pick-up hose
- Specify brass or chrome finish
- Length: 3.4"
- Weight: 1.2 lbs.

### SHUT-OFF VALVE

- Quarter turn ball valve for positive shut-off of foam supply
- Attaches to foam inlet of nozzle
- Specify chrome or brass finish



### METERING VALVE

- The quarter turn ball valve for instant proportioning change
- Available in 1% / 3% or 3% / 6% configurations
- Attached to foam inlet of nozzle
- Specify chrome or brass finish
- Length: 3"
- Weight: 1.3 lbs.



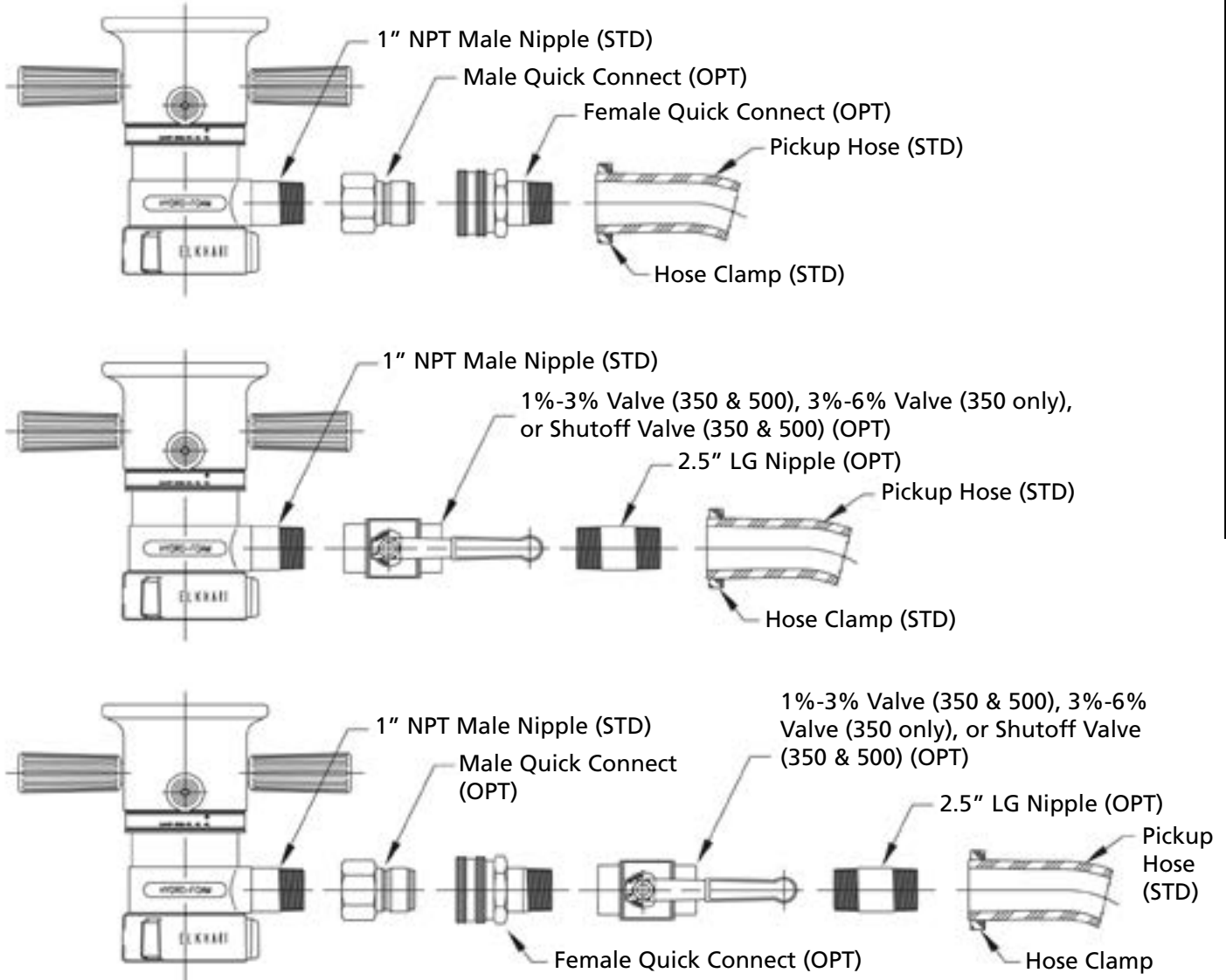
### DRUM PICK-UP KIT

- Allows foam inlet of nozzle to be pre-connected to a 55 gallon drum of concentrate
- Kit 1 includes PVC pick-up tube with shut-off valve, brass vacuum breaker, and clear reinforced vinyl pick-up hose (8 feet)
- Kit 3 or Kit 4 includes PVC pick-up tube with shut-off valve only. Replaces non-valve pick-up tube that comes with nozzle.

#### COMPATIBLE ACCESSORIES

ITEM	FOAM NOZZLE			
	X-Stream®		Hydro-Foam®	
	SM-1000 HF	SM-2000 HF	350/A	500/A
Quick-connect			•	•
Shut-off Value with Quick-connect			•	•
1% / 3% Metering Valve with Quick-connect			•	•
3% / 6% Metering Valve with Quick-connect			•	•
Shut-off Valve			•	•
1% / 3% Metering Valve			•	•
3% / 6% Metering Valve			•	•
Drum Pick-up Kit 1			•	•
Drum Pick-up Kit 3	•			
Drum Pick-up Kit 4		•		

### OPTIONAL HARDWARE FOR FOAM INLET LINE



**NOTE:** These illustrations show typical combinations of valves and fittings. Other combinations can be provided to satisfy customer needs.



FIXED SYSTEM

## Fixed System

Designed for use in fixed system applications. Adjustable nozzles can be pre-set at the factory or set in the field at time of installation. The fog pattern, which can be set up to 120°, can easily be set or adjusted at the job site.

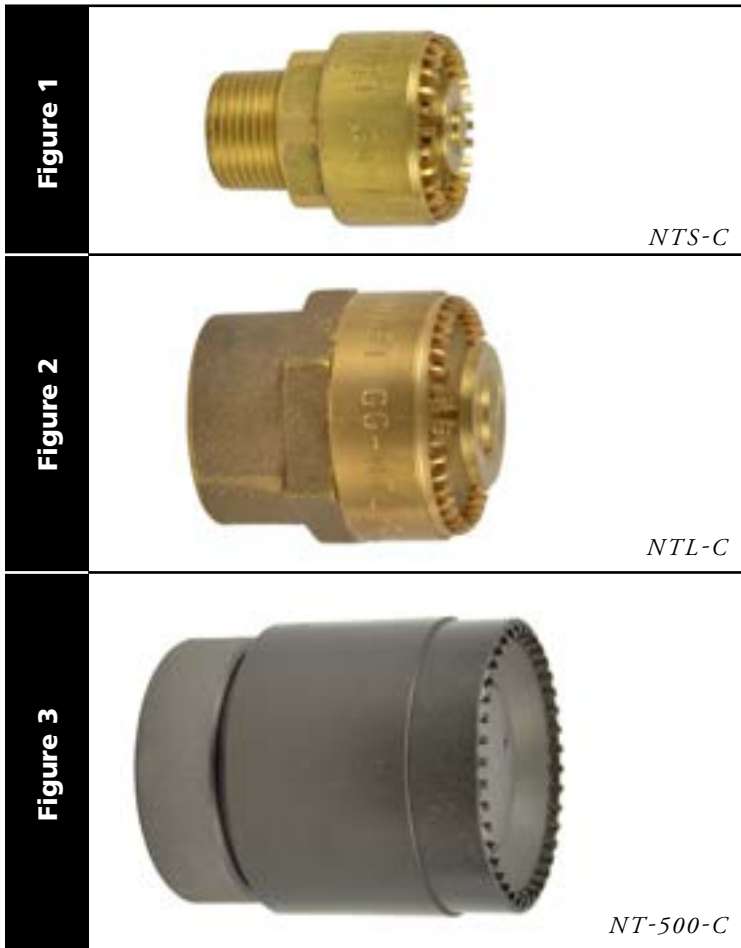


Base Size	ADJUSTABLE FLOW RATES GPM (LPM)			STANDARD FLOW RATES GPM (LPM)			INLET OPTIONS		MATERIAL		MODEL	FIGURE
	5-40 (20-150)	40-100 (150-380)	100-250 (380-850)	350 (1325)	500 (1890)	1000 (3780)	Male	Female	Brass	Elk-o-Lite®		
	PSI (BAR) 100 (6.89)											
0.75"	•						s	o	•		NTS-C*	1
1.0"		•					s	o	•		NTL-C*	2
1.5"			•				s		•		NT-C*	2
2.5"				•				s		•	NT-350-C	3
					•			s		•	NT-500-C	3
						•		s		•	NT-1000-C	3

KEY s = standard o = option

\*NOTE: Fog pattern can be set up to 120°

## FIXED SYSTEM CONFIGURATIONS



OPTIONS
THREADS
<i>All nozzles are rigid NPT connections unless otherwise specified. See index T-13 for optional base threads.</i>

Figures depict general product types only and are not intended to be inclusive of all product features.