



fire protection
TECHNOLOGIES



AKRON
BRASS COMPANY

Master Stream Nozzles

SaberMaster™

The SaberMaster nozzles are the only multi-purpose master stream nozzles in the fire service today. The SaberMaster 1250 makes remote controlled monitors truly remote because you can now easily change from solid bore to fog flow streams with the flip of a switch. The SaberMaster 500 allows you to switch from solid bore to fog without shutting down. No other master stream nozzles have this 2-in-1 capability.

- SaberMaster 1250 reduces the risk of injury by not having to climb onto the deck to change tips
- Provides smooth bore reach and penetration OR fog stream cooling and protection, without having to shut down the water flow to switch tips.
- No issues with tip storage or missing tips because changing from a solid bore to adjustable fog pattern is built-in
- SaberMaster 1250 designed for use with Style 3440 DeckMaster or Style 3578 StreamMaster Monitors
- SaberMaster 500 designed for use with Style 3443 Mercury™
- Built-in Stream Shaper (SaberMaster 1250)



Style 1577



Style 1545

Style	Material	Pattern Control	Fog Flow		Optional Flow		Solid Bore Orifice	Inlet	Voltage	Length	Weight lbs. (kg)
			GPM	LPM	GPM	LPM					
1545	Pyrolite	Manual	350*	1325*	-	-	1 3/8" (35 mm)	2 1/2" (65 mm)	-	10 7/16" (265 mm)	8 1/2 (3.9 kg)
1577	Pyrolite®	Electric	1250*	4800*	1000*	3800*	2" or 1 15/16" (51 or 49 mm)	2 1/2" or 3 1/2" (65 or 89 mm)	12 or 24 Volt	14 13/16" (376 mm)	24 (10.9 kg)

* Flow at 80 psi

Akromatic® 2000

Designed for flows from 500 to 2000 gpm (1900-7600 lpm) - at an operating pressure of 80 psi (5.5 bar)

- Style 5178 now with manual override and built-in stream shaper

Style	Material	Pattern Control	Flow		Optional Flow		Inlet	Teeth	Voltage	Length	Weight lbs. (kg)
			GPM	LPM	GPM	LPM					
5071	Brass	Manual	500-2000	1900-7600	-	-	3 1/2" (89 mm) (NH OR NPSH ONLY)	None	NA	12" (305 mm)	37 1/4 (16.9 kg)
5170	Pyrolite	Manual	500-2000	1900-7600	500-1500	1900-5700	3 1/2" (89 mm) (NH OR NPSH ONLY)	Fixed	NA	9 1/8" (232 mm)	15 1/4 (6.9 kg)
5178	Pyrolite	Electric	500-2000	1900-7600	500-1500	1900-5700	3 1/2" (89 mm) (NH OR NPSH ONLY)	None	12 or 24 Volt	9 1/2" (241 mm)	15 1/2 (7.0 kg)



Style 5178

Akromatic 1250

Designed for flows from 250 to 1250 gpm (950-4800 lpm) - At 80 psi (5.5 bar) operating pressure

- Style 5177 now with manual override
- Style 5160, 5161, and 5177 complete with built-in stream shaper

Style	Material	Pattern Control	Flow		Optional Flow		Inlet	Teeth	Voltage	Length	Weight lbs. (kg)
			GPM	LPM	GPM	LPM					
5075	Pyrolite	Electric	250-1250	950-4800	250-1000	950-3800	2 1/2" or 3 1/2" * (65 or 89 mm)	**	12 or 24 Volt	9" (229 mm)	12 1/2 (5.7 kg)
5160	Pyrolite	Manual	250-1250	950-4800	250-1000	950-3800	2 1/2" or 3 1/2" * (65 or 89 mm)	None	-	9 1/2" (241 mm)	12 (5.4 kg)
5161	Brass	Manual	250-1250	950-4800	-	-	2 1/2" or 3 1/2" (65 or 89 mm)	None	-	9 1/2" (241 mm)	26.8 (12.2 kg)
5177	Pyrolite	Electric	250-1250	950-4800	250-1000	950-3800	2 1/2" or 3 1/2" * (65 or 89 mm)	None	12 or 24 Volt	10 1/8" (264 mm)	13 (5.9 kg)

** Flat dispersed pattern

* 3 1/2" - NH only



Style 5075



Style 5160



Style 5161
Shown with
optional paint



Style 5177



Turbomaster™

A family of adjustable gallonage master stream nozzles. Each nozzle comes equipped with four distinct, calibrated, and selectable flow settings.

- Pattern detents for positive stream positioning

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Optional flow at 7 bar		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM	GPM	LPM				
1745	Pyrolite®	Manual	250-400-550-750	950-1512-2100-2900	130-250-400-500	500-1000-1500-2000	2 1/2" (65 mm)	Spinning	9" (241 mm)	11 (5.4 kg)
1755	Pyrolite	Manual	500-750-1000-1250	1900-2900-3800-4800	-	-	2 1/2" (65 mm)	Spinning	10" (229 mm)	13 (5.7 kg)
1757	Pyrolite	Manual	350-500-750-1000	1325-1900-2900-3800	-	-	2 1/2" (65 mm)	Spinning	10" (229 mm)	13 (5.9 kg)



Style 1745

Aquastream™

A fixed gallonage master stream nozzle designed for heavy-duty use on fixed monitors.

- With grease fitting



Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
4450	Brass	Manual	500 (300 & 700)*	1900 (1140 & 2650)*	2 1/2" (65 mm)	Fixed	7" (17.8 cm)	14 1/2 (6.6 kg)
4452	Pyrolite	Manual	500 (300 & 700)*	1900 (1140 & 2650)*	2 1/2" (65 mm)	Fixed	7" (17.8 cm)	4 3/4 (2.2 kg)

* Field changeable spacers included with nozzle



Style 4452

Rampage™

A fixed gallonage master stream nozzle with built-in stream shaper designed for flows up to 1250 gpm. Ideal for heavy-duty use on fixed monitors. Style 4460 has a twist shutoff.



Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
4460	Brass	Manual	750 (500, 1000 & 1250)*	2800 (1900, 3800 & 4800)*	2 1/2" (65 mm)	None	9" (229 mm)	23 1/4 (10.5 kg)
4461	Brass	Manual	750 (500, 1000 & 1250)*	2800 (1900, 3800 & 4800)*	2 1/2" (65 mm)	None	9" (229 mm)	23 1/4 (10.5 kg)

* Factory set at 750 gpm - field changeable to 500 or 1000 gpm, spacers included with nozzle. Must specify 1250 gpm.



Style 4460

Rampage™ Nozzle With Electric Pattern Actuation

Style 4462

- All brass and stainless steel construction
- Ideal for mining applications
- 2 1/2" NH inlet
- Exposed surfaces protected by heavy-duty, weather resistant bellows

- Maximum Pressure: 200 psi/14 bar

- Maximum Motor Current Draw:

- 12 Volt Motor: 3 amps
- 24 Volt Motor: 1.5 amps

Style	Material	Flow at 100 PSI (7 bar)		Inlet	Length	Weight lbs. (kg)
		GPM	LPM			
4462	All brass and stainless steel construction	500-1000 750 (500&1000)*	1900-3800 750 (500&1000)*	2.5" NH (65 mm)	8 1/8" (206 mm)	19.6 (8.9 kg)

* Factory set at 750 gpm - field changeable to 500 or 1000 gpm



Style 4462 with Electric Pattern Actuation

Excel 1000™

Single fixed flows with a spring loaded baffle to provide flow setting selection with a simple turn of the baffle head.

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
5147	Pyrolite	Manual	300-500-800-1000	1140-1900-3030-3800	2 1/2" (65 mm)	-	7 5/16" (185 mm)	3.8 (1.7 kg)
3747	Brass	Manual	300-500-800-1000	1140-1900-3030-3800	2 1/2" (65 mm)	Spinning	8 1/2" (216 mm)	25 (11.3 kg)



Style 5147

Master Stream Nozzles

Mercury™ Nozzle

The Mercury nozzles have excellent straight stream performance and a wide, dense, fully adjustable fog pattern. Choose between the single flow orifice Style 4445 and the adjustable flow baffle Style 4447.

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
4445	Pyrolite®	Manual	500	1900	2 1/2" (65 mm)	Spinning	7" (178 mm)	5 (2.3 kg)
4447	Pyrolite	Manual	250-375-500	950-1400-1900	2 1/2" (65 mm)	Spinning	7" (178 mm)	5 (2.3 kg)

Style	Material	Pattern Control	Flow at 75 PSI (5 bar)		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
5147	Pyrolite	Manual	300, 500, 800, 1000	1140-1900-3030-3800	2 1/2" (65 mm)	-	7 5/16" (185 mm)	3.8 (1.7 kg)
5150	Pyrolite	Manual	250-1000	950-3800	2 1/2" (65 mm)	-	9 13/32" (239 mm)	9.61 (4.4 kg)



Style 4447



Style 5147
Adjustable Flow
Nozzle



Style 5150
Automatic
Nozzle

Akrofoam™

The Akrofoam nozzles are self-educing master stream nozzles designed for educing foam at flow rates up to 1000 gpm (4800 lpm).

- Manual pattern control
- 10' pick up hose and 40" tube

4475 Pyrolite Akrofoam

- Spring loaded baffle that allow flow setting selection of 350, 500, 750, or 1000 gpm (1325, 1900, 2900, or 3800 lpm) with a simple push and turn of the baffle head.
- Quick connect, adjustable metering head with pick up rates 1% & 3%, plus 6% for 350 & 500 gpm and 1% & 3% for 750 & 1000gpm

4470 Brass Akrofoam

- Factory set at 500 gpm (1900 lpm) 3% and field changeable to 350,750, or 1000 gpm (1325,2900, or 3800 lpm)
- Grease fitting for easy maintenance
- Optional Foam Shutoff Valve, Drum Seal Kit & Quick Connect
- Metering capability of 1%, 3%, & 6% for 350 & 500 GPM, and 1% & 3% for 750 & 1000 gpm.

4471 Akrofoam Nozzle with Electric Pattern Actuation

- All brass and stainless steel construction
- Ideal for mining applications
- Exposed surfaces protected by heavy-duty, weather resistant bellows
 - Metering Rate :
 - 1%, 3%, & 6% for 350 & 500 gpm
 - 1% & 3% for 750 & 1000 gpm
 - Maximum Pressure: 200 psi/14 bar
 - Maximum Motor Current Draw:
 - 12 Volt Motor: 3 amps
 - 24 Volt Motor: 1.5 amps



Style 4475



Style 4470



AkroFoam works well with Jet Ratio Controller Style 3030 See Page 83



Style 4471
with Electric
Pattern Actuation

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Length	Weight lbs. (kg)
			GPM	LPM			
4475**	Pyrolite	Manual	500 (350, 750 & 1000)	1900 (1300, 2800 & 3800)	2 1/2" (65 mm)	9 1/4" (235 mm)	12 (5.4 kg)
4470***	Brass	Manual	500 (350, 750 & 1000)*	1900 (1300, 2800 & 3800)*	2 1/2" (65 mm)	12 3/8" (314 mm)	25 (11.3 kg)
4471***	Brass and Stainless Steel Construction	Electric	350, 500, 750 & 1000 @ 100 psi	1300, 1900, 2800 & 3800 lpm @ 7 bar	2.5" NH (65 mm)	12 1/4" (311 mm)	30 (13.6 kg)

* Factory set to 500 gpm - field changeable to 350, 750 or 1000 gpm with spacers included with nozzle

** 44750006 pick up tube with metering head

*** 44700002 pick up tube only



FireFox™ Nozzle

An electrically controlled nozzle with flows from 15 to 500 gpm (60 to 1900 lpm) at an operating pressure of 100 psi (7 bar). The FireFox nozzle comes with either a single fixed flow baffle or an adjustable four setting baffle and is for use with 12 or 24 Volt monitors featuring current limiting, such as the Style 3463 FireFox.

3293 FireFox Electric Nozzle

- 1 1/2" swivel inlet for flows up to 350 gpm
- 2 1/2" swivel inlet for flows 350 to 500 gpm
- Spinning teeth
- Optional flat disperse pattern - Must specify
- Optional add-on foam tubes - See page 31
- Adjustable Flow Options:
 - 30-60-95-125 gpm (115-230-360-475 lpm) with electric flush
 - 125-175- 250-350 gpm (475-660-950-1325 lpm) without electric flush
 - 350-400-450-500 gpm (1325-1525-1700-1800 lpm) optional 500, 1000, 1500, 2000 LPM) without electric flush
- Fixed Flow Options: (Must specify flow rate)
 - 15 to 200 gpm (60 to 750 lpm) with electric flush
 - 225 to 500 gpm (850 to 1900 lpm) without electric flush



Style 3293

Size	Flow Gpm	Length	Weight lbs. (kg)
1 1/2" (38 mm)	15-125	7" (17.8 mm)	5 (2.3 kg)
1 1/2" (38 mm)	125-350	7 3/4" (187 mm)	7.2 (3.4 kg)
2 1/2" (65 mm)	350-500	7 3/4" (187 mm)	7.5 (3.4 kg)

Black Widow®

- Single fixed flows

Style	Material	Pattern Control	Flow		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
2151	Brass	Manual	300-1250*	1140-4700*	2 1/2" (65 mm)	Spinning	8 1/2" (216 mm)	25 (11.3 kg)
2152	Pyrolite	Manual	300-1250*	1140-4700*	2 1/2" (65 mm)	Spinning	8 1/2" (216 mm)	9 (4.1 kg)
2155	Pyrolite	Hydraulic	300-1250*	1140-4700*	2 1/2" (65 mm)	Spinning	8 1/2" (216 mm)	9 (4.1 kg)
2156	Brass	Hydraulic	300-1250*	1140-4700*	2 1/2" (65 mm)	Spinning	8 1/2" (216 mm)	29 (13.2 kg)

* Specify flow in 50 gpm (190 lpm) increments. Specify pressure from 70-100 psi (4.9-7 bar) in 10 psi (.7 bar) increments



Style 2156

Style 2151

Single Gallonage Master Stream

Style	Material	Pattern Control	Flow		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
2171	Brass	Manual	1000-2000*	3800-7600*	3 1/2" (89 mm)	None	12" (305 mm)	36 (16.3 kg)

* Specify flow in 100 gpm (380 lpm) increments. Specify pressure from 70-100 psi (4.9-7 bar) in 5 psi (.35 bar) increments



Style 2171

Akromatic 1000

This hydraulically actuated nozzle is designed for flows from 350-1000 gpm (1325-3800 lpm) At 100 psi (7 bar) operating pressure.

Style	Material	Pattern Control	Flow		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
5051	Brass	Manual	350-1000	1325-3800	2 1/2" (65 mm)	Spinning	9 3/4" (248 mm)	26 (11.8 kg)
5055	Pyrolite	Hydraulic	350-1000	1325-3800	2 1/2" (65 mm)	Spinning	9 3/4" (248 mm)	9 1/4" (4.2 kg)
5056	Brass	Hydraulic	350-1000	1325-3800	2 1/2" (65 mm)	Spinning	9 3/4" (248 mm)	30 1/2" (13.8 kg)



Style 5055