

Akron® Municipal Eductors feature a large, easy to read, and removable metering dial with settings between 0% and 6%. The Eductors are rated to flow at 200 psi (14 bar) inlet pressure and work well with nozzles rated at 75 and 100 psi (5 and 7 bar).

In-Line Eductors

- 1 1/2" (38 mm) or 2 1/2" (65 mm) full-time swivel inlet x 1 1/2" (38 mm) male, except where noted
- 30" (762 mm) pickup hose standard on 60, 95 and 125 gpm (230, 360 and 475 lpm) eductors, 48" optional
- 48" (1220 mm) pickup hose standard on 250 gpm (950 lpm)

Style	Inlet Size	Outlet Size	Flow		Material	Length	Weight lbs. (kg)
			GPM	LPM			
3060	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	60	230	Pyrolite®	* 7 3/4" (197 mm)	3 1/2 (1.6 kg)
3071	1 1/2" (38 mm)	1 1/2" (38 mm)	95	360	Brass	7 3/4" (197 mm)	9 1/4 (4.2 kg)
3095	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	95	360	Pyrolite	* 7 3/4" (197 mm)	3 1/2 (1.6 kg)
3125	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	125	475	Pyrolite	* 7 3/4" (197 mm)	3 1/2 (1.6 kg)
3250	2 1/2" (65 mm)	2 1/2" (65 mm)	250	950	Pyrolite	12" (305 mm)	8 1/2 (3.7 kg)

* 1 1/2" (38 mm) inlet length, 2 1/2" (65 mm) inlet length: 8 1/2" (216 mm)

Portable Eductor with On-Board Foam Access

Included:

- Eductor with a special pickup assembly with a quick connect coupling
- Foam Access Panel Mount Kit
- Quarter Turn Valve with Tee Handle and Label



Style 3095



3095 In-Line Eductor with Quick Connect On-Board Foam Access



Quick Connect Panel Mount with Plug



Quarter Turn Valve

Industrial/Marine In-Line Eductors

2328 90 gpm (340 lpm) Brass In-Line Eductor

- Set at 6% pickup rate, easily changed to 3%
- Includes foam shutoff valve and 60" pickup hose

2901 90 gpm (340 lpm) Brass In-Line Eductor

- Set at 6% pickup rate; easily changed to 3%
- 54" pickup hose

2325 95 gpm (360 lpm) Brass In-Line Eductor

In-Line Eductor designed for use at 125 psi (8.62 bar).
(Note: Lower eductor inlet pressures reduce nozzle stream reach.)

- 1%, 2%, 3%, and 6% foam settings
- Removable foam pickup tube with metering dial for easy service and testing

2120 120 gpm (460 lpm) Brass In-Line Eductor

- Metering dial settings: 1/2%, 1%, 3%, 6%



Style 2328



Style 2325

Style	Length	Weight lbs. (kg)	Female Inlet	Male Outlet	Operating Pressure PSI (bar)	Flow	
						GPM	LPM
2120	12 7/8" (327 mm)	12 (5.4 kg)	2 1/2" (65 mm)	2 1/2" (65 mm)	200 (14)	120	460
2325	10 1/8" (257 mm)	7 (3.1 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	125 (8.62)	95	360
2328	9 1/2" (241 mm)	8 (3.6 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	200 (14)	90	340
2901	9 1/2" (241 mm)	8 (3.6 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	200 (14)	90	340

Portable By-Pass Educators

The Akron By-Pass Educator has a built-in by-pass chamber, allowing the operator to change from water to foam without shutting down.

- 1 1/2" or 2 1/2" swivel inlet x 1 1/2" male
- Brass with chrome trim
- 8 quick-change handle positions with a Swing-Out™ Valve handle
- Optional pipe thread connections available for truck plumbing

Style	Inlet Size	Outlet Size	Flow		Material	Length	Weight lbs. (kg)
			GPM	LPM			
3097	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	95	360	Brass	18" (457 mm)	20 (9.1 kg)



Style 3097

Foam Truck Systems

- 8 quick change handle positions (easily changed after installation) means less installation time
- Specify inlet and outlet, 2", 2 1/2" NPT or 2" victaulic
- Easily changed to water line use

Each Truck System Includes:

- Rugged brass by-pass educator
- Foam metering dial with six foam settings from 0% - 6%
- One 2" In-line Swing-Out™ valve - with built-in check valve
- Two 1" In-line Swing-Out valves
- One 1" check valve
- Four Style 1477 remote controls

Note: Each truck system is for a single tank operation. A two tank system requires one (1) additional 1" Swing-Out Valve, 1" check valve and 1477 Remote Control.

3096 95 gpm (360 lpm) Foam Truck System

3126 125 gpm (475 lpm) Foam Truck System



By-Pass Educator



Style 3096

Foam Metering Dial

See Pages 178 & 179 For Foam System Plumbing

Off-Truck Foam Access Kit

A quick disconnect pickup tube for off-truck foam access can be easily added to an existing Akron® Foam System or can be included with any new system if specified.

Designed for:

- Switching between class A and B foams
- Supplementing a depleted foam supply

Each Kit Includes:

- Quick connect panel mount and plug
- One 1" check valve
- One 5' quick connect pickup hose assembly
- One Style 57 drain valve

3128 Off-Truck Foam Access Kit

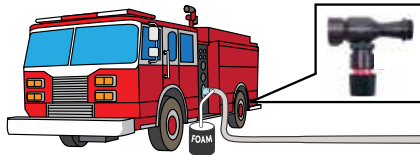


Style 3128

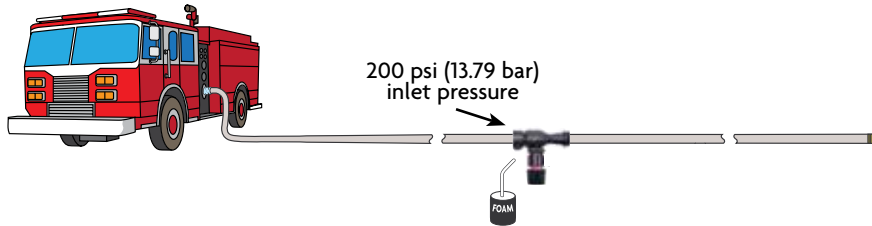


Application Chart

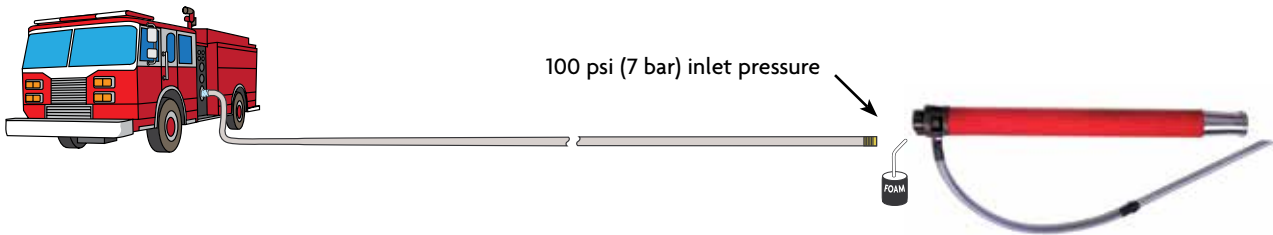
Eductor Connected to a Pumper Discharge - 200 psi (14 bar) Inlet Pressure



Eductor Connected at a Point Between the Pumper and the Foam Nozzle



Foam Application without the use of an Eductor



General Instructions for Akron® Eductors

(Includes in-line, by-pass and built-in types of any flow size)

1. Hose lay limits past the eductor must not be exceeded. (see chart at right)
2. 200 psi (14 bar) must be maintained at the eductor inlet to obtain the proper mixture.
3. The nozzle and eductor must be rated at the same flow for maximum performance. However, in all cases, the nozzle flow setting must not be less than the eductor.
4. The nozzle must be fully open. A throttled nozzle can cause the system to shut down.
5. Always flush both the eductor and nozzle thoroughly, for at least 3 minutes, after each use.

*Hose Lay Limit

GPM (LPM)	Hose Size							
	Up To 1% (Class A)				3% - 6% Class B			
	1 1/2" (38 mm)	1 3/4" (45 mm)	2" (50 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 3/4" (45 mm)	2" (50 mm)	2 1/2" (65 mm)
60 (227)	600' (182.9 m)	900' (274.3 m)	-	-	400' (121.9 m)	600' (182.9 m)	-	-
95 (359.5)	200' (61 m)	350' (106.7 m)	-	-	150' (45.7 m)	250' (76.2 m)	-	-
125 (473)	-	200' (61 m)	400' (121.9 m)	-	-	150' (45.7 m)	300' (91.5 m)	-
250 (946)	-	-	-	350' (106.7 m)	-	-	-	300' (91.5 m)

* All hose lays based on no elevation, measured from the discharge side of the eductor with 200 psi inlet pressure and with a 100 psi rated nozzle. If a 75 psi rated nozzle is used hose lengths may be extended.

Notes About Various Operating Pressures

Akron eductors are designed to work at 200 psi (14 bar) inlet pressure for maximum effectiveness. At 200 psi (14 bar), the mixture percentage will be as shown on the metering dial. Akron eductors can educt foam concentrate at pressures between 50 (3.5 bar) and 200 psi (14 bar). At lower pressures the flow of water will be less, but the flow of foam concentrate will remain the same. This means the percentage of concentrate will be higher than shown on the metering dial. Since the flow out of the eductor will be reduced at lower inlet pressures, the nozzle pressure will be lower. This may significantly reduce reach.