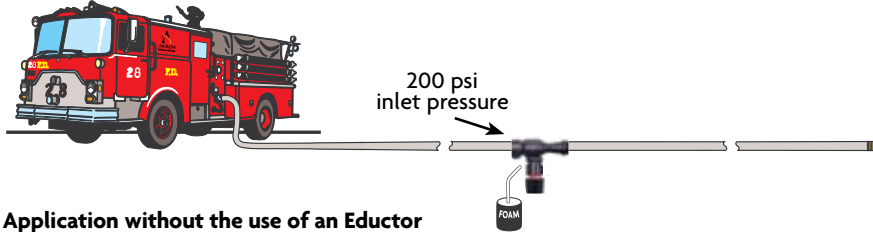


Application Chart

Eductor Connected to a Pumper Discharge - 200 psi Inlet Pressure



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



Foam Application without the use of an Eductor



Foam Application with an Advantage™ Eductor/AkroFoam™



Place the Advantage Eductor between the monitor discharge and nozzle or place the KroFoam on the monitor discharge. Place the pick-up hose in the foam supply.



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 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 inlet pressure for maximum effectiveness. At 200 psi, the mixture percentage will be as shown on the metering dial. Akron eductors can educt foam concentrate at pressures between 50 and 200 psi. 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.

Contact Akron Brass for further information on the use of Akron® eductors at different operating pressures.