Inline Eductors

Inline Foam Eductors provide the simplest and most economical method of introducing a metered flow of foam concentrate into a pressurized water stream. As opposed to “Hydro-Foam™ Technology” which is used in union with master stream nozzles, these “Venturi-Type” foam proportioners are designed to be used in conjunction with a matched constant flow end-of-line device (e.g., nozzle), where adequate water pressure is available. The pressurized water stream creates a vacuum (the Venturi effect) which is used to suck foam concentrate into the eductor body. The dosing of the concentrate is controlled by either an orifice plate or a metering valve. The concentrate enters and mixes with the water stream. The foam solution exits through the outlet of the inductor.

Optimum performance of these inline eductors is achieved with 200 psi (13.8 bars) inlet pressure. These eductors are rated to flow 60, 95, 125 or 250 gpm (227, 360, 473 or 946 Lpm) @ 200 psi (13.8 bars) inlet. Although they are capable of operating at inlet pressures as low as 70 psi (4.8 bars), in most cases adequate residual firefighting pressure at the nozzle requires that the eductor inlet pressure be at least 100 psi (6.9 bars), or greater. Lower inlet pressure will result in lower flow and affect the proportioning rate.

Eductor body and venturi jet are constructed of corrosion-resistant brass. The positive setting metering value can be set at 0, 0.5, 1, 3 or 6%. Standard water inlet is a (F) NPSH connector and the outlet (M) NPSH connector. Each eductor is supplied with a 36” (0.9 m) clear PVC concentrate pick-up hose.

Ordering Information

Part Number	Nominal Flow @200 psi (13.8 bars)	Inlet Size	Outlet Size
15738	60 gpm (227 Lpm)	1.5”	1.5”
11841	95 gpm (360 Lpm)	1.5”	1.5”

Part Number	Nominal Flow @200 psi (13.8 bars)	Inlet Size	Outlet Size
11842	95 gpm (360 Lpm)	2.5”	1.5”
15983	125 gpm (473 Lpm)	1.5”	1.5”
14707	250 gpm (946 Lpm)	2.5”	2.5”