

Inline Eductors

Features

- Venturi-Type foam proportioners
- Constant-flow discharge nozzles/devices
- Eductor body and venturi jet constructed of corrosion-resistant brass
- Standard water inlet with (F)NPSH connector
- Outlet with (M)NPSH connector
- 36 in. (0.9 m) clear PVC concentrate pick-up hose

Description

WILLIAMS FIRE & HAZARD CONTROL® (WILLIAMS) Inline Foam Eductors introduce a metered flow of foam concentrate into a pressurized water stream. These Venturi-Type foam proportioners are utilized in conjunction with matched, constant-flow discharge nozzles/devices where adequate water pressure is available. The pressurized water stream creates a vacuum (the Venturi effect), sucking foam concentrate into the eductor body. An orifice plate or a metering valve controls the dosing of the concentrate, which enters and mixes with the water stream. The foam solution exits through the outlet of the inductor.

The inline eductors achieve optimum performance with 200 psi (13.8 bar) inlet pressure. Lower inlet pressure will result in lower flow and may affect the foam concentrate proportioning. Although capable of operating at inlet pressures as low as 70 psi (4.8 bar), these eductors are typically used with inlet pressures greater than 100 psi (6.9 bar) in order to generate discharge pressures adequate for effective firefighting. This series of inline eductors are rated for nominal flow rates ranging from 60 gpm to 250 gpm (227 Lpm to 946 Lpm) at 200 psi (13.8 bar) inlet water pressure.

The eductor body and venturi jet are constructed of corrosion-resistant brass. The standard water inlet is an (F)NPSH connector and the outlet an (M)NPSH connector. Each eductor includes a 36 in. (0.9 m) clear PVC concentrate pick-up hose. The desired setting for foam concentrate proportioning (0%, 0.5%, 1%, 3%, or 6%) must be specified with eductor order.



010675

Ordering Information

Contact WILLIAMS customer service at Johnson Controls with specific applications requirements for custom configuration as well as additional information.

Part No.	Nominal Flow at 200 psi (13.8 bar)		Inlet Size (in.)	Outlet Size (in.)
	gpm	(Lpm)		
15738	60	(227)	1 1/2	1 1/2
11841	95	(360)	1 1/2	1 1/2
11842	95	(360)	2 1/2	1 1/2
15983	125	(473)	1 1/2	1 1/2
14707	250	(946)	2 1/2	2 1/2

Note: The converted metric values in this document are provided for dimensional reference only and do not reflect an actual measurement.

WILLIAMS FIRE & HAZARD CONTROL, and the product names listed in this material are marks and/or registered marks. Unauthorized use is strictly prohibited.