Portable Foam Eductors

Elkhart offers an eductor for all handlines (1" through 21/2") and the eductors are compatible with most foam concentrates..

TYPE	INLET SIZE			OUTLET SIZE			FLOW RATES GPM (LPM)						METERING				MATERIAL / TRIM				Length (Inches)	Weight (Lbs.)	MODEL
													Fixed		Selectable		Brass			Com-posite			
															Positive	Infinite							
	1"	1.5"	2.5"	1"	1.5"	2.5"	30 (114)	60 (227)	95 (360)	125 (473)	150 (568)	250 (946)	3%	6%	0% / ½% / 1% / 3% / 6%	0%-6%	Chrome	Rough	Satin				
By-pass		•	•		•			•							•		s				17.25	20.5	240-60
By-pass		•	•		•				•						•		s				17.25	20.5	240-95
By-pass		•	•		•					•					•		s				17.25	20.5	240-125
Inline	•	•		•			•									•	s				8.375	4.5	241-30
Inline		•			•				•				•					s			10.00	5.8	241-N3*
Inline		•			•				•					•				s			10.00	5.8	241-N6*
Inline		•			•				•				•		**					s	4.625	0.5	242-95**
Inline		•	•		•			•							•		o		s		11.75	9.5	241-60
Inline		•	•		•				•						•		o		s		11.75	9.5	241-95
Inline		•	•		•					•					•		o		s		11.75	9.5	241-125
Inline		•	•		•						•				•		o		s		11.75	9.5	241-150
Inline			•			•						•			•		o		s		16.0	16.8	241-250

KEY s = standard o = option
* Inlet and outlet threads are NPSH; ID is ¾"; ribbed hose length is 54"
** Supplied with fixed metering valves at ½%, 1%, and 3% and an adjustable metering valve with ½% / 1% / 3% settings.

GPM (LPM) NOTE

Eductor and nozzle must have matching flow rates (gpm/lpm) for the foam concentrate to "pick-up." See page T-1 for Eductor Performance Chart.

Operating Pressures of Eductors

These eductors are designed to achieve rated flow with an inlet pressure of 200 psi (150 psi for the 242-95). They will operate at lower inlet pressures, but the flow rate and percentage rate will be affected.

Checklist if eductor fails to pick up foam

Ball check stuck	By-pass valve open
Clogged nozzle	Hose lay too long
Kink in hose	Metering valve clogged
Metering valve closed	Metering valve set improperly
Mismatched nozzle	Nozzle elevated too high
Partially closed nozzle	Plugged pick-up screen

ADDITIONAL INFORMATION

VALVES

INFINITE SETTING VALVE

POSITIVE SETTING VALVE

HOSE LENGTHS

- 240 models and most 241 models are 36"
- 241-N models are 54"
- 241-250 model is 72"