



# FOAM PROPORTIONING EQUIPMENT

## IN-LINE EDUCTORS/ PROPORTIONERS

### DESCRIPTION

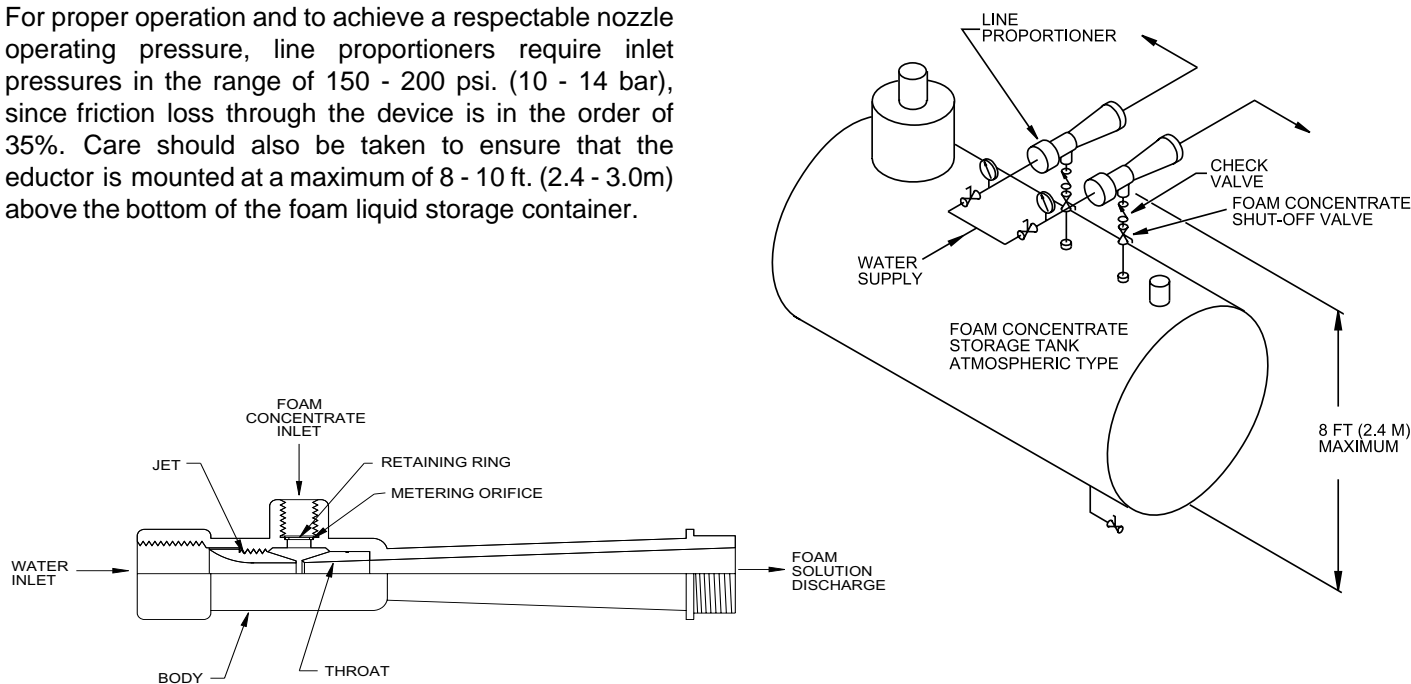
In-Line eductors (line proportioners) can present a simple, cost-effective method to proportion foam concentrate and water at the proper percentage. Buckeye offers a full range of line proportioners in corrosion resistant brass. Line proportioners are constant flow devices that produce accurate proportioning of foam concentrate at a specified flow and pressure. It is therefore critical to match the line proportioner with all downstream devices, including all friction loss associated with delivering that flow to the particular nozzle(s) at the design pressure. Line proportioners are usually portable devices, however, with proper considerations they can be used in fixed system applications.

For proper operation and to achieve a respectable nozzle operating pressure, line proportioners require inlet pressures in the range of 150 - 200 psi. (10 - 14 bar), since friction loss through the device is in the order of 35%. Care should also be taken to ensure that the eductor is mounted at a maximum of 8 - 10 ft. (2.4 - 3.0m) above the bottom of the foam liquid storage container.

Line proportioners are typically used by municipal or airport fire departments where rapid, simple and cost effective deployment of a foam proportioning device is required. Other than flowing water, no external power supplies are required to operate line proportioners.

### FEATURES

- Corrosion resistant brass construction.
- Custom flow and pressure options available.
- Optional threaded or flanged end connections.
- Metering valve optional for adjusting proportioning percentages.



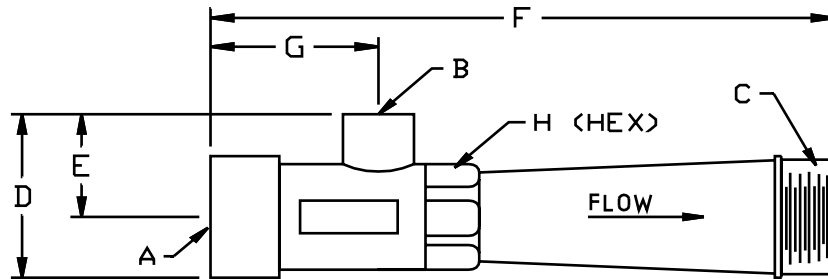
LINE PROPORTIONER CROSS SECTION





## FOAM PROPORTIONING EQUIPMENT

### IN-LINE EDUCTORS



GPM (LPM)	A	B	C	D	E	F	G	H
60 (227)	1 1/2" NPT	3/4" NPT	1 1/2" NPT	2.50 (6.35)	1.59 (4.04)	11.75 (29.84)	2.47 (6.27)	1.25 (3.18)
95 (360)	1 1/2" NPT	3/4" NPT	1 1/2" NPT	2.50 (6.35)	1.59 (4.04)	11.75 (29.84)	2.63 (6.68)	1.38 (3.51)
120 (454)	2 1/2" NPT	1" NPT	2 1/2" NPT	3.56 (9.04)	2.38 (6.05)	16.125 (40.95)	2.88 (7.32)	2.00 (5.08)
210 (795)	1/2" NPT	1" NPT	2 1/2" NPT	3.75 (9.53)	2.69 (6.83)	16.125 (40.95)	4.25 (10.80)	2.63 (6.68)
240 (908)	2 1/2" NPT	1" NPT	2 1/2" NPT	3.75 (9.53)	2.69 (6.83)	16.125 (40.95)	4.25 (10.80)	2.63 (6.68)
280 (1060)	2 1/2" NPT	1" NPT	2 1/2" NPT	3.75 (9.53)	2.69 (6.83)	16.125 (40.95)	4.25 (10.80)	2.63 (6.68)
350 (1325)	2 1/2" NPT	1" NPT	2 1/2" NPT	3.75 (9.53)	2.69 (6.83)	16.125 (40.95)	4.25 (10.80)	2.63 (6.68)
420 (1590)	2 1/2" NPT	1" NPT	3" NPT	4.03 (10.24)	2.97 (7.54)	18.38 (46.70)	4.75 (12.07)	3.00 (7.62)
480 (1817)	2 1/2" NPT	1" NPT	3" NPT	4.03 (10.24)	2.97 (7.54)	18.38 (46.70)	4.75 (12.07)	3.00 (7.62)
550 (2082)	2 1/2" NPT	1" NPT	3" NPT	4.03 (10.24)	2.97 (7.54)	18.38 (46.70)	4.75 (12.07)	3.00 (7.62)
600 (2271)	3" NPT	1 1/4" NPT	4" NPT	4.38 (11.13)	3.21 (8.15)	20.50 (52.07)	5.06 (12.85)	3.25 (8.26)
660 (2500)	3" NPT	1 1/4" NPT	4" NPT	4.38 (11.13)	3.21 (8.15)	20.50 (52.07)	5.06 (12.85)	3.25 (8.26)
730 (2763)	3" NPT	1 1/4" NPT	4" NPT	4.38 (11.13)	3.21 (8.15)	20.50 (52.07)	5.06 (12.85)	3.25 (8.26)

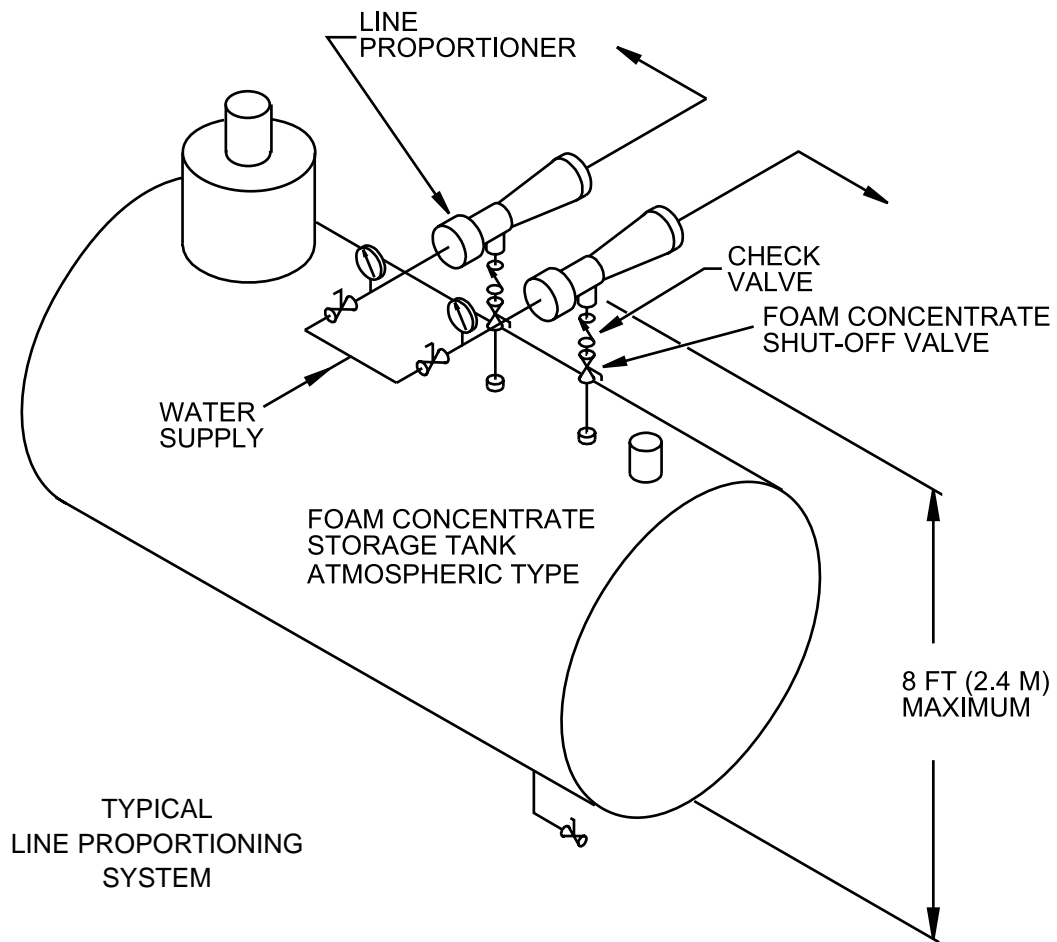
HIGH FLOW IN-LINE EDUCTORS (LINE PROPORTIONERS)  
FOR FIXED SYSTEM APPLICATIONS





# FOAM PROPORTIONING EQUIPMENT

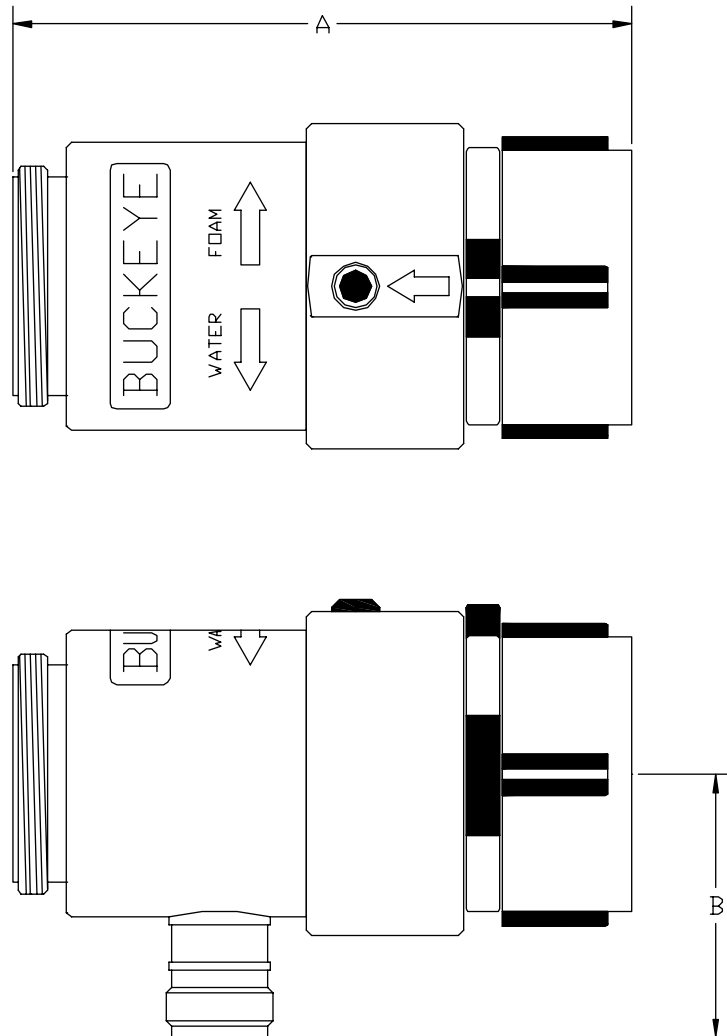
**IN-LINE EDUCTORS**





## FOAM PROPORTIONING EQUIPMENT

### IN-LINE EDUCTORS



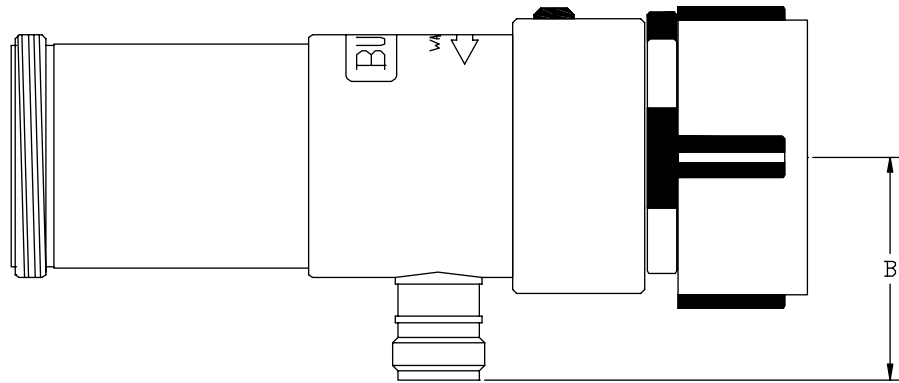
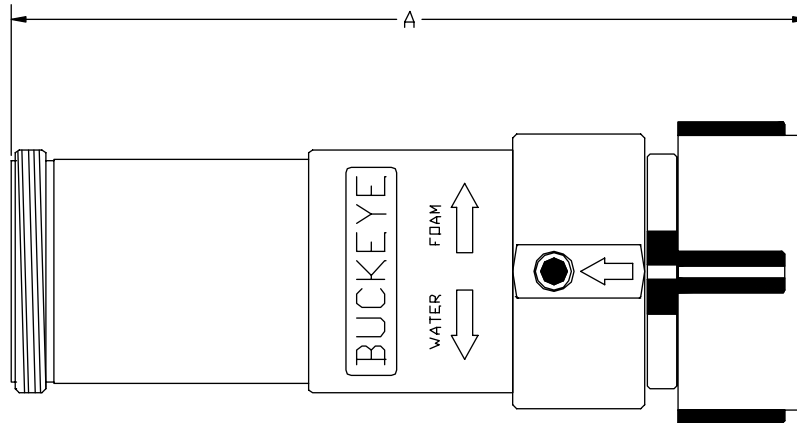
MODEL NO:	FLOW	A	B	INLET	OUTLET
PE-9949	60 GPM (227)	4 3/4" (120)	3" (76)	1 1/2" NST	1 1/2" NST
PE-9950	95 GPM (360)	4 3/4" (120)	3" (76)	1 1/2" NST	1 1/2" NST
PE-9951	125 GPM (473)	4 3/4" (120)	3" (76)	1 1/2" NST	1 1/2" NST





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**IN-LINE EDUCTORS**



MODEL NO:	FLOW	A	B	INLET	OUTLET
PE-8918	200 GPM (757 LPM)	10 7/8"	3 1/2"	2 1/2" NST	2 1/2" NST

