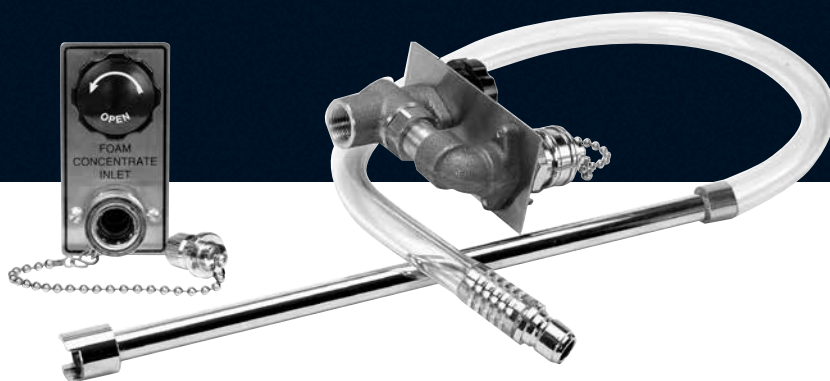


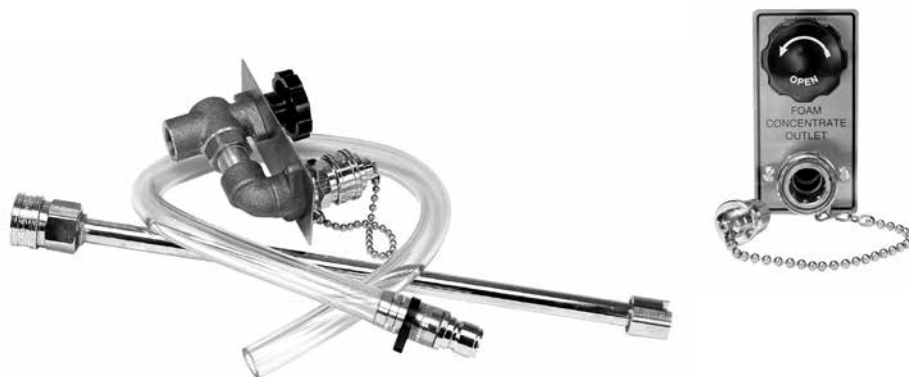
Foam Supply Kits

Elkhart offers two supply kits. Both kits include:

- One .75" quarter-turn, inlet valve assembly with elbow
- Quick-connect female coupling
- Quick-connect plug with chain
- Brushed stainless steel escutcheon plate
- Foam pick-up hose assembly with quick-connect male coupling



KIT 1



KIT 2

(P/N 81231001) Kit 1 is a built in by-pass foam eductor to utilize an off-board foam concentrate supply — either when the on-board supply has been depleted or to allow use of another type of foam concentrate.

(P/N 81232001) Kit 2 allows the use of an on-board foam concentrate tank with a separate portable foam eductor (such as Elkhart's 240 and 241 series) attached to a pump side discharge; permits easy switching from alternative supply to the on-board supply tank and back as necessary.

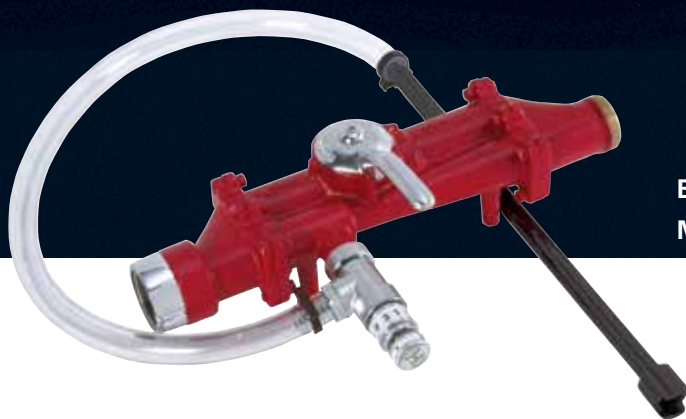


PORTABLE

Portable

Elkhart offers an eductor for all handlines (1" through 2½") and the eductors are compatible with most foam concentrates. All Elkhart's eductors:

- Are easy hook-up / easy set-up
- Feature red urethane enamel finish
- Can be deployed in any position
- Offer a removable pick-up screen and removable metering valve
- Comes with a clear PVC pick-up hose



BRASS BY-PASS INLINE EDUCTOR
MO. 240

Fig. 1



BRASS INLINE EDUCTOR
MO. 241

Fig. 2



COMPOSITE INLINE EDUCTOR
MO. 242

Fig. 3

TYPE	INLET SIZE			OUTLET SIZE			FLOW RATES GPM (LPM)						METERING				MATERIAL / TRIM				Length (Inches)	Weight (Lbs.)	MODEL	FIGURE
													Fixed		Selectable		Brass			Com-posite				
	1"	1.5"	2.5"	1"	1.5"	2.5"	30 (114)	60 (227)	95 (360)	125 (473)	150 (568)	250 (946)	3%	6%	Positive 0% / ½% / 1% / 3% / 6%	Infinite 0%-6%	Chrome	Rough	Satin					
By-pass	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	s	•	•	•	17.25	20.5	240-60	1
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	s	•	•	•	17.25	20.5	240-95	1
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	s	•	•	•	17.25	20.5	240-125	1
Inline	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	s	•	•	•	8.375	4.5	241-30	2
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	s	•	•	10.00	5.8	241-N3*	2
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	s	•	•	10.00	5.8	241-N6*	2
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	s	•	4.625	0.5	242-95**	3
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	o	•	s	•	11.75	9.5	241-60	2
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	o	•	s	•	11.75	9.5	241-95	2
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	o	•	s	•	11.75	9.5	241-125	2
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	o	•	s	•	11.75	9.5	241-150	2
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	o	•	s	•	16.0	16.8	241-250	2

KEY s = standard o = option

* Inlet and outlet threads are NPSH; ID is 3/4"; ribbed hose length is 54"

** Supplied with fixed metering valves at 1/2%, 1%, and 3% and an adjustable metering valve with 1/2% / 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"



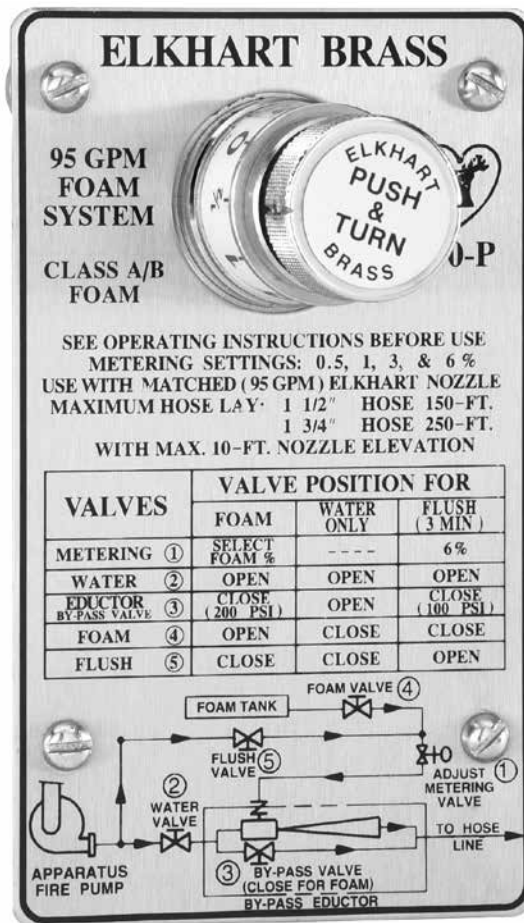
BUILT-IN

Built-In

Elkhart offers built-in foam eductors for all handlines (pipe sizes of 1.5" and 2"), and the eductors are compatible with most foam concentrates. The built-in eductors come furnished with valves, fittings and accessories for installing permanently behind the panel in pump compartment.

Package includes:

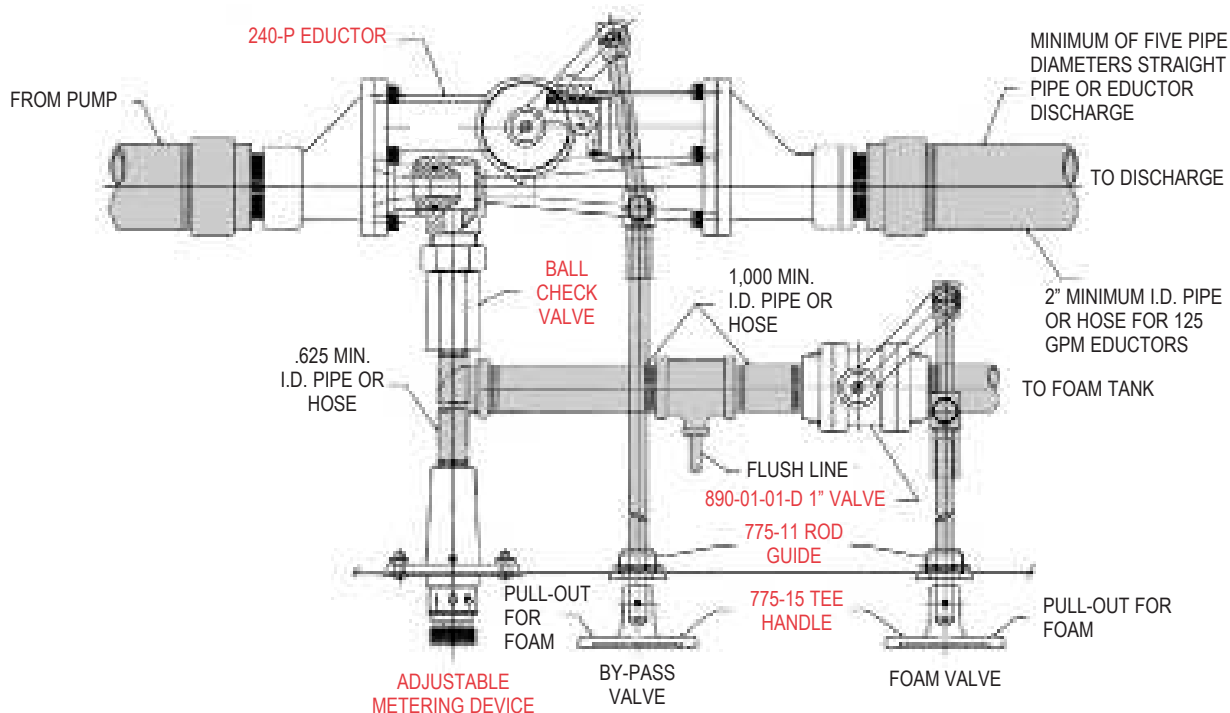
- One (1) 240 by-pass eductor
- One (1) 890-01-01-D 1.00" inline valve
- Two (2) 775-15 tee handles
- Two (2) 775-11 rod guides
- One (1) "thru the panel" metering valve with 5 settings (0%, 1/2%, 1%, 3%, and 6%)
- One (1) ball check valve
- One (1) brushed stainless steel instruction plate (with hardware)



NPT INLET / OUTLET*	FLOW RATES GPM (LPM)			LENGTH (Inches)	PACKAGE WEIGHT (Lbs.)	MODEL NUMBER
	60 (227)	95 (360)	125 (473)			
2.0"						
s	•			17.25	32.9	240-60P
s		•		17.25	32.9	240-95P
s			•	17.25	32.9	240-125P

KEY s = standard o = option
* Victaulic available

Typical Installation



NOTE: Items listed in red type are included in package.

Operating Pressures of Eductors

These eductors are designed to achieve rated flow with an inlet pressure of 200 psi. 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	Clogged nozzle
Eductor handle not pulled out	Elbow plumbed too close to inlet/outlet
Excessive friction loss between eductor and discharge outlet	Foam handle not pulled out
Foam tank empty	Foam tank not vented
Hose lay too long	Kink in hose
Metering valve clogged with dry foam	Metering valve set improperly
Mismatched nozzle	Partially closed nozzle
	Too much nozzle elevation