

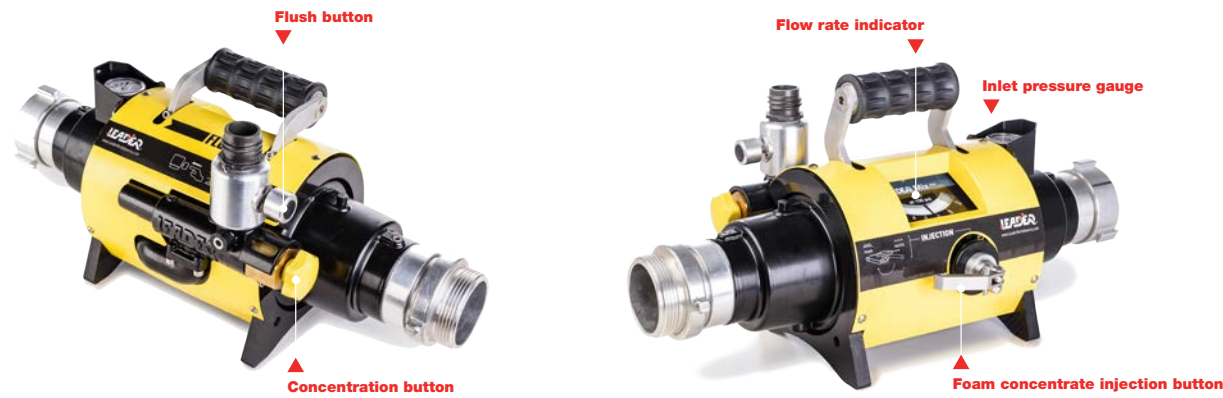
**FIRE FIGHTING**



# **FIRE SUPPRESSION**

**FOAM PROPORTIONING EQUIPMENT**





## LEADER Mix 60 - 250 G

AUTOMATIC SYSTEM FOR PROPORTIONING ALL TYPES OF FOAM CONCENTRATES FROM 0.3% TO 6%

### AUTOMATIC & AUTONOMOUS EDUCTOR :

- ▶ **Ideal compromise between conventional venturi eductors and traditional automatic systems** because of the wide range of flow rates and injection ratios available
- ▶ **Autonomous:** Does not require power supply
- ▶ **Reduced maintenance** due to the simple mechanical design

### LARGE RANGE OF USE:

- ▶ Replaces 3 conventional eductors (60, 95, 125, 250)
- ▶ Wide range of flow rates from 50 to 275 GPM
- ▶ Wide operating pressure range from 75 to 230 PSI

### REDUCED CONSUMPTION OF INJECTED FOAM CONCENTRATE

- ▶ **Accurate metering** of foam concentrates from 0.3% to 6%
- ▶ **Adapts itself automatically** to the selected flow rate at the nozzle

### CREATE SUCTION EVERY TIME FOAM IS DESIRED !

- ▶ Instant injection of foam concentrate
- ▶ Operates even from 75 PSI
- ▶ Independent of flow rate variations

### 2 VERSIONS AVAILABLE:

- ▶ **Fire vehicles** or **fixed foam extinguishing systems**
- ▶ **Ground applications** (hose lay)

### PRESSURE LOSS LIMITED IN WATER POSITION !

- ▶ Below 200 GPM, it generates less pressure losses in the water position than traditional venturi injectors

### ADDITIONAL FIELD BENEFITS...

- ▶ Water position ("no foam concentrate injection" position) : Only 10 PSI pressure loss at 125 GPM
- ▶ Flow rate indicator
- ▶ Inlet pressure gauge
- ▶ Simple push button flush valve



### KEY POINTS

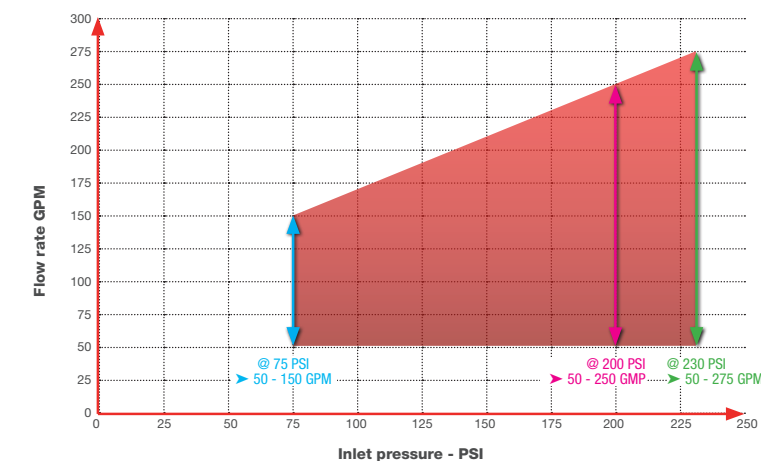
- ▶ Reliable and accurate
- ▶ Produces foam every time
- ▶ Wide range of flow rates
- ▶ Efficient foam use
- ▶ Compact

### TECHNICAL CHARACTERISTICS :

Model LEADER Mix 60 - 250 G	US Portable version	US Vehicle version
Reference	I40.90.001	I40.90.003
Operating flow rate	50 to 275 GPM	
Operating pressure	75 to 230 PSI	
Proportioning rates	0.3%, 0.5%, 1%, 3%, 6%	
Inlet and outlet couplings	Swivel coupling	
Inlet and outlet threads	2.5" NPT F	
Storage temperature	-4°F to +140°F	
Operating temperature	Above freezing to +120°F	
Pressure loss	35%	
Pressure gauge at inlet	Yes	
Weight	31 lbs	30 lbs
Dimensions L x H x W	18.8 x 8.8 x 10.4 inch	18.8 x 8.7 x 10.3 inch
Carrying handle	Yes	No
Suction wand	Suction hose equipped with a pick up tube - 8.2 ft / 1"GFR	
Input foam concentrate supply	1" GFR male quick connection	1" NPT female
Non-return valve on foam inlet	Yes	Yes
Flush button	Yes	No

### OPERATING RANGE

3 examples



### OPTIONS :

Couplings	On request
Flanges	On request
Suction hose with a length of 10 ft equipped with a pick up tube	On request

As part of our policy of constant research to improve our equipment, we reserve the right to modify the characteristics of the equipment at any time without prior notice







# FLOWmix

FIXED OR MOBILE FOAM PROPORTIONERS FOR THE STORAGE AND INJECTION OF ALL TYPES OF FOAM CONCENTRATES

THE FLOWMIX IS A **PROPORTIONING AND STORAGE UNIT** ALLOWING FOR THE INJECTION OF ALL TYPES OF FOAMING AGENTS USED IN FIREFIGHTING :

- ▶ Class A additives or foam concentrates: 0.1% to 1%,
- ▶ Class B concentrates: 1% to 3%.

### COMPLETELY BASED ON A MECHANICAL PRINCIPLE

The FLOWmix does not require outside electrical power source and automatically operates from discharge side of the pump

### 3 VERSIONS AVAILABLE :

- ▶ **COMPACT version** to equip fixed installations (Hose reels, Sprinkler, fixed monitors, etc.) or use in portable mode.
- ▶ **KIT version** to install on fire response vehicles (fire trucks, etc)
- ▶ **DOUBLE version** to double the reserve of foam concentrate to transport or diversify the reserve of foam concentrate to transport in order to proportion two different types of concentrate.

### PRESSURE LOSSES REDUCED

Ideal for establishing large pipe lengths

**ESSENTIAL TOOL FOR USE WITH ADDITIVES OF CLASS A FIRES WHERE THE CONCENTRATION USAGE IS VERY LOW (0.1 TO 0.6%)**

- ▶ For use in urban and industrial fires:
  - Wood, Paper, Carton,
  - Plastic, Rubber,
  - Tissues, Textiles
  - Vegetation, Brush...
- ▶ Forest fire response

### KEY POINTS:

- ▶ **Easy to use**
- ▶ **Effective** with all types of foam concentrates
- ▶ **Very low maintenance** due to the simple, mechanical concept
- ▶ **3 versions** to suit all configurations



Compact version



Kit version



Double kit version

### TECHNICAL SPECIFICATIONS :

- ▶ Precise adjustable proportioning: 0.1%, 0.2%, 0.3%, 0.4%, 0.5%, 0.7%, 1% and 3%
- ▶ Working pressure: 20 to 435 PSI (following hoses used)
- ▶ Flowrate: from 5 to 528 Gal/min (For a concentration of 0.1 to 1%) and up 132 Gal/min (to 3%)
- ▶ Reserve capacity from 5 to 24 Gal.
- ▶ Equipped with a selection valve to stop the injection of foam concentrate when it's not necessary.

▶ Foam proportioners available :

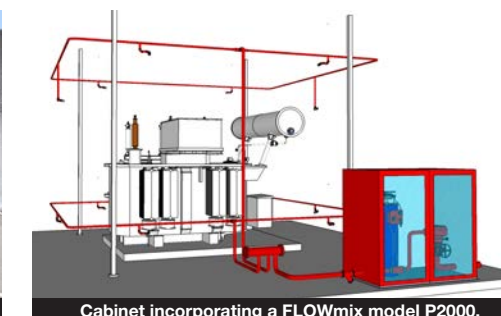
		Compact	Double compact	Kit	Double Kit
Abbreviation		P	P DUAL	BI	BI DUAL
Number of bladder tank		1	2	1	2
Pumps		manual x1	manual x2	electrical x1	electrical x2
Model 500	Total capacity (gallons)	5	-	5	10
	Autonomy* (gallons)	1164	-	1664	3328
Model 750	Total capacity (gallons)	7.5	-	7.5	15
	Autonomy* (gallons)	2456	-	2456	4913
Model 1000	Total capacity (gallons)	10	20	10	20
	Autonomy* (gallons)	3328	6657	3328	6657
Model 1500	Total capacity (gallons)	15	30	15	30
	Autonomy* (gallons)	5019	10 038	15019	10038
Model 2000	Total capacity (gallons)	20	40	20	40
	Autonomy* (gallons)	6604	13 208	6604	13208

\*Autonomy in gallons of foam solution at a concentration base of 0.3%

### EXAMPLES OF USE :



Foam trailer equipped with a P2000 model in use - Goodyear / Oklahoma (USA)



Cabinet incorporating a FLOWmix model P2000.



Pick up equipped with a foam system unit integrating FLOWmix 500

As it is our policy to constantly seek to improve our products, we reserve the right to change the specification of our equipment without notice.







# OUR CLOSE RELATIONSHIPS WITH OUR CUSTOMERS HELP US DESIGN THE PRODUCTS OF **TOMORROW**



**Fire extinction**



**Mobile ventilation**



**Thermal imaging**



**Fire training equipment**



**Search and Rescue equipment**



**Foam concentrates & foam proportioning**

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