



LEADER Mix 50 - 275G v2

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

AUTOMATIC & AUTONOMOUS INDUCTOR :

- ▶ **Ideal compromise between conventional venturi inductors 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 4 conventional inductors (60, 95, 125 and 250 GMP)
- ▶ Wide range of flow rates from 50 to 275 GMP
- ▶ 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 even during Pulsing
- ▶ Works even below 140 PSI
- ▶ Independent of flow rate variations

2 VERSIONS AVAILABLE:

- ▶ **Fire vehicles or fixed foam extinguishing systems (with optional remote control panel)**
- ▶ **Ground applications (hose lay)**

ADDITIONAL FIELD BENEFITS...

- ▶ Water position ("no foam concentrate injection" position): Below 200 GPM, it generates less pressure losses in the water position than traditional venturi injectors: **only 10 PSI pressure loss at 125 GPM**
- ▶ 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
- ▶ Reduced maintenance (no electronics)

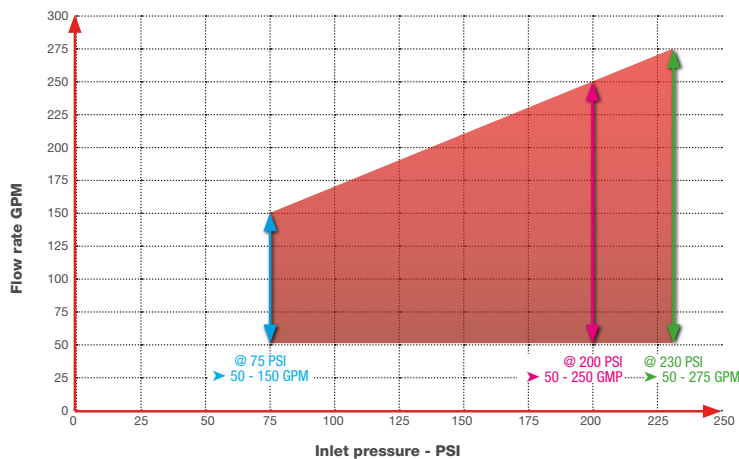


TECHNICAL CHARACTERISTICS :

Model LEADER Mix 50 - 275G	Portable version	Vehicle version
Reference	I40.90.108	I40.90.109
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" NH F / 2.5" NH M	
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	29 lbs
Dimensions L x H x W	19.1 x 9.3 x 10.8"	19.1 x 8.5 x 10.8"
Carrying handle	Yes	No
Suction wand	Suction hose equipped with a pick up tube – L 6.5' / 1" D Storz	No
Input foam concentrate supply	D Storz quick connection	1" BSP female
Non-return valve on foam inlet	Yes	
Flush button	Yes	No

OPERATING RANGE

3 examples



OPTIONS :

Remote control panel : ref. I40.90.300

- ▶ To show the inlet pressure of Leader- Mix
- ▶ To set the bypass button position (water or Foam)
- ▶ To rinse the device
- ▶ Dimensions: 12x8" and only 3" in thickness inside the truck
- ▶ Easy to link to the Leader Mix

Hoses to link LeaderMix to remote control panel : ref. 2009117

- ▶ 1/3" (8mm) pneumatic hose
- ▶ 320 PSI maximum operating pressure
- ▶ Black color
- ▶ 6 lines needed between LeaderMix and panel (pressure gauge, flush valve...)





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



Compact version



Kit version



Double kit version



KEY POINTS:

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

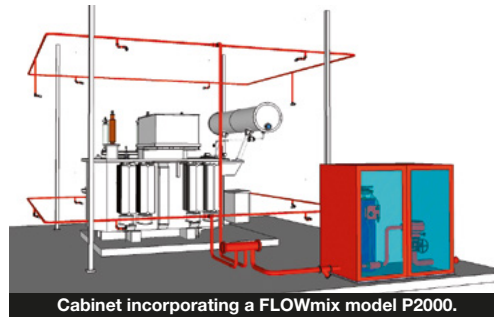
TECHNICAL SPECIFICATIONS :

- ▶ 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 500 GPM (For a concentration of 0.1 to 1%) and up 125 GPM (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

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

EXAMPLES OF USE :



UPRIM

Portable foam unit for hose reel

UPRIM, more robust and more practical

TYPICAL USES :

- Fires in built-up areas.
- Car fires.
- Motorway accidents.
- Smothering of gas escapes.
- Safety measures before welding operations.
- Installation on hose reels to increase their effectiveness.
- Protection of machine tools.



- The extinguishing capacity of more than 40 fire extinguishers...
- Perfect stability
- Tank made of polyethylene.
- Delivery hose withstands low temperatures.
- Wide carrying handle, easy to grip even with gloves on.
- Low and medium expansion corrosion resistant nozzles.



UPRIM BF
LOW EXPANSION

CHARACTERISTICS

Model	Dimensions H x L x D (in)	Weight empty (lbs)	weight full (lbs)	Operating pressure (PSI)	Flowrate (GPM)	Range (ft)	Expansion ratio
UPRIM LX	24.8 x 10.5 x 7.3	7.15	29.9	40 – 140	16	13.2 to 29.5	8 – 10
UPRIM MX	24.8 x 14.4 x 7.3	7.83	30.6	40 – 140	16	9.8 to 16.7	50 – 70

Model	Capacity (Gallon)	Concentration mix-ratio	Pre-mix solution (Gallon)	Running time	Foam volume medium expansion (50)
UPRIM	2.64 gal	6 %	630 gal	3.2 – 4.1 min	296 ft ³
		3 %	1260 gal	6.4 – 8.2 min	590 ft ³
		1%	3770 gal	19.2 – 24.6 min	1780 ft ³

Référence	1" 1/2 thread NH Female
UPRIM BF	I30.00.065
UPRIM MF	I30.00.064

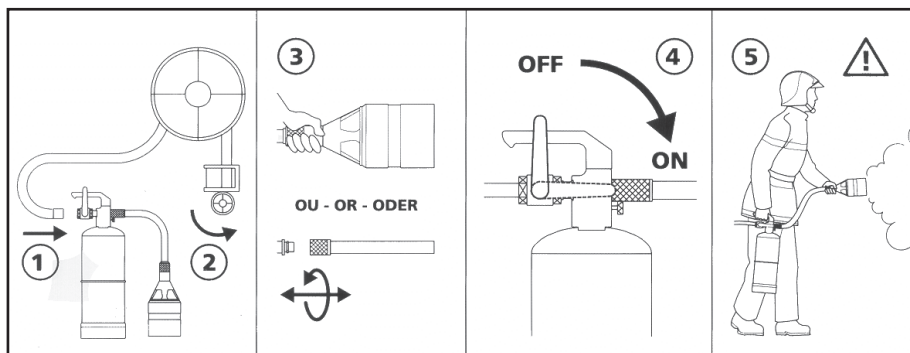
	Low expansion nozzle	Medium expansion nozzle
Reference	I30.80.031	I30.80.032

- 2,64 gal tank.
- Maximum resistance to internal corrosion by foam compounds and to weather conditions.
- Composite proportioning nozzle calibrated to 1, 3 or 6 %.
- Stainless steel plunger pipe screwed into nozzle.
- High density polyethylene medium expansion nozzles.
- Nozzles can be interchanged in seconds using the rapid connector.
- Delivery hose 0.6 ft made of reinforced NBR.
- Withstands extremes of temperature, from -22 to + 190°F
- Open / close tap allows perfect control of the appliance.
- Wide, ergonomically designed carrying handle gives a sure grip even when wearing thick safety gloves.
- Easy, fast maintenance.
- Large opening for foam filling.



U.P.R.I.M.

Use :



Point the branchpipe to the fire, according to instructions and procedures specific to the company, and the chosen foam compound (direct, side, wall, front attack.....)

After each use, the proportioning head should be removed from the cylinder and the system operated for 2 minutes with the pick-up tube immersed in a bucket of water in order to flush the unit.



ZF05.056.US.1

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.





**INLINE
INDUCTOR**

Leader-MIX FiberTech

Inline proportioner light weight and high accuracy

- Fibertech body
- Hard anodised aluminium metering valve
- Wide range of concentration
- Non return valve on foam line
- D Storz coupling for pick up tube
- 2.50m pick up hose (1.5m hose + 1m tube)
- Inlet filter



LeaderMix 95GPM with Storz coupling

*** FiberTech: THE NEW COMPOSITE MATERIAL FOR FIREFIGHTING:**

- Far lighter than brass
- Lighter than aluminium but equal in terms of mechanical strength and durability
- Superior corrosion resistance compared to aluminium alloy and brass:
 - in saline environments
 - in use with foam concentrates
- Equal to aluminium alloy for resistance to chemicals

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

Characteristics

Model	Réf.	Flow/Pressure	Weight (without coupling or pick-up tube)	concentration	In / outlet
Leader Mix 60G	MPC-014-R6	60 GPM @ 200 PSI	5 lbs	0.5 – 1 – 2 – 3– 6%	1.5" NH F / 1.5" NH M
Leader Mix 95G	MPC-015-R6	95 GPM @ 200 PSI	2.25 kg		

Dimensions

L. 16" x w. 7.7" x h. 7.9" / L. 39 x w. 19.5 x h. 20cm

Reduced cost of ownership:

Very light maintenance requirement due to the design and materials used



ZF05.267.US.1



Model 60GPM



Model 95GPM

LX FOAM
NOZZLE

Expander FiberTech

Low Expansion Foam Nozzle

- Fibertech Body
- Wide flow handle
- Pistol grip
- 2 models : 60 and 95 GPM @ 100 PSI



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Characteristics

Model	Réf.	Flow / Pressure	Thread	
Expander 60	MLC-012-RI	60 GPM @ 100PSI	1.5" NH F	Non Swivel inlet
	MLC-012-TI		1.5" NPSH F	
Expander 95	MLC-013-RI	95 GPM @ 100PSI	1.5" NH F	
	MLC-013-TI		1.5" NPSH F	

Dimensions and weight

L. 15" x l. 4.5" x h. 10" / L. 38 x l. 11 x h. 24cm

4 lbs/ 1.8kg



Model 400 l/min
with Storz C

Reduced cost of ownership:

Very light maintenance requirement due to the design and materials used



ZF05.334.US.1



New!

SPECIAL NOZZLE

Twin-Action

Multifunction water-foam nozzle

No need to bother any more with a removable foam adapter. The Twin-Action nozzle from the Leader Flow range is an adjustable flow nozzle with an integrated low expansion (10) foam generator.

- Light and Compact
- Multi flow rate: 0 to 65GPM.
- Low expansion foam/water position
- FiberTech composite body for a lighter and more corrosion-resistant nozzle
- Ball valve
- Only 2.2lbs
- Swivel joint 1.5" NH F



* **FiberTech: THE NEW COMPOSITE MATERIAL FOR NOZZLES**

- Far lighter than brass
- Lighter than aluminium but equal in terms of mechanical strength and durability
- Superior corrosion resistance compared to aluminium alloy and brass:
 - in saline environments
 - in use with foam concentrates
- Equal to aluminium alloy for resistance to chemicals

Under our policy of product improvement and research, we reserve the right to change the specifications of our products at any time and without notice.

Features:

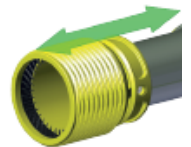
Flow rate settings	0 and 65 GPM
Flow-rate adjustment	by ring rotation
Nominal pressure	200PSI
Jet-pattern adjustment	By turning the head of the nozzle
	Straight jet 20GPM.
	Attack jet (20° at 20GPM)
	Straight jet 65GPM.
	Spray attack jet then protection jet (120° at 65 GPM.)
Water jet/foam jet selection	by sliding the head selector ring
Valve	ball valve, 3/4" diameter

Flow-rate adjustment and jet type

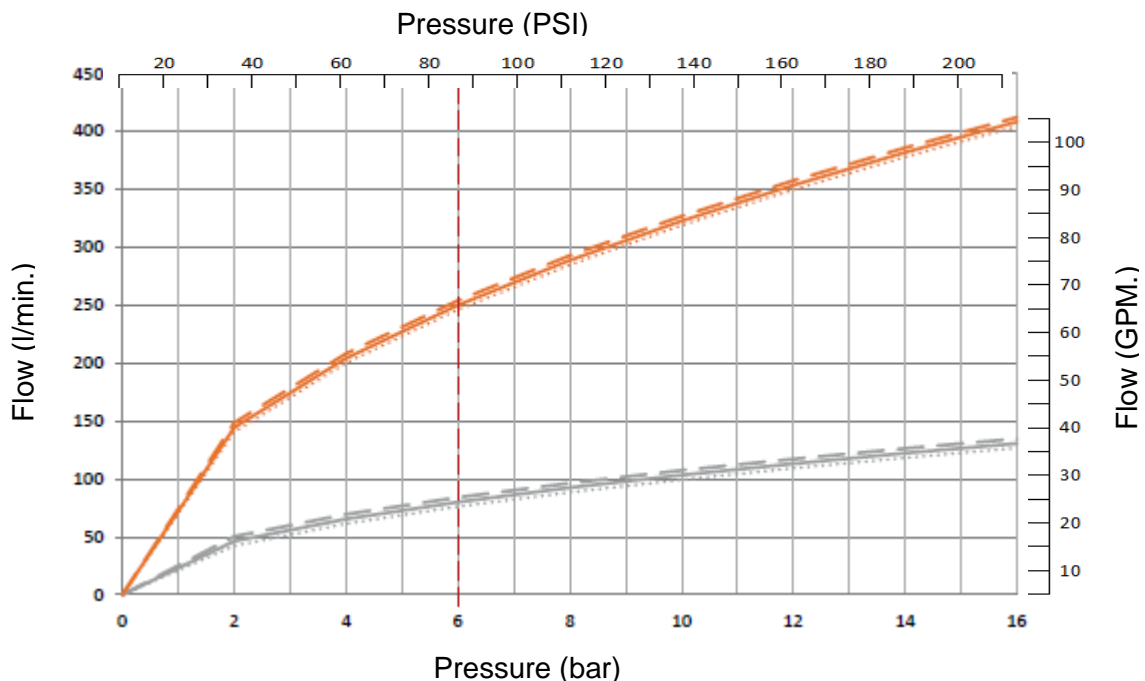
Nozzle opening with operating handle. Pull the handle back from its stop to fully open the valve. Flow rate and jet pattern are adjusted by rotating the head. Turning the head counter-clockwise gradually, first it moves from the fully closed position to the 20GPM. Straight jet position, then to 20GPM. Attack jet (20°), then to 65GPM. Straight jet, 65GPM. Attack jet (60°) and 65GPM. spray jet (120°).

Foam/water position adjustment

When the yellow head ring is folded, the nozzle is in the water position. When the ring is pushed forward (unfolded), the nozzle is in the foam position. Use this last position with the head turned to the right (65GPM attack or spray jet position) so the premix is aerated by the spray filter and increases foam expansion.



Flow/Pressure Curve



Reduced ownership costs

Very low maintenance due to its very robust design and the materials used.



ZF.01.310.US.1



NEW !

**NOZZLE
ACCESSORIE**

MX FOAM JET

Multi Expansion Foam adaptors

To produce foam, a premix has to be aerated by some means. Leader Multi Expansion Foam adaptors provide a simple solution to aerate the premix at the nozzle outlet.

- Quickly attached or removed
- Adjustable expansion ratio
- Body HDPE for Compact and Regular Aluminum for Large.
- Stainless steel screws
- Weights:

Compact	1.2 kg / 2.7lbs
Regular	1.3 kg / 2.9 lbs
Large	2.7 kg / 5.95 lbs



Leader Nozzles are available in 3 different sizes so 3 different types of Foam adaptors are available

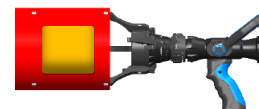
Large



Regular



Compact

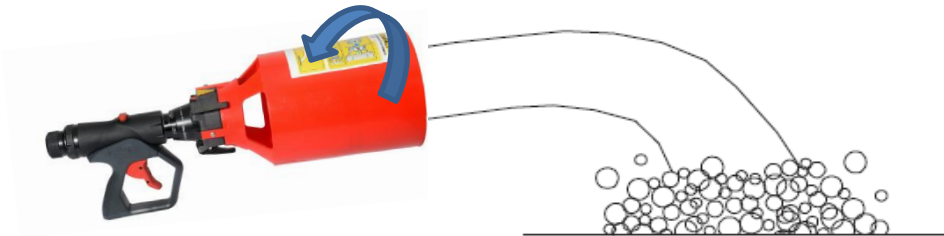


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Easy to use:

To adjust the expansion ratio:

- Turning toward Fog position will increase the expansion ratio and decrease the reach



- Turning toward straight stream position will decrease the expansion ratio and increase the reach



Reduced cost of ownership:

Very light maintenance requirement due to the nozzle design and materials used.



ZF.01.293.EN.2