

LeaderMIX FiberTech User manual



LeaderMIX 200



LeaderMIX 400

Inline proportioner PN16 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

*** 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:
 - o in saline environments
 - o in use with foam concentrates
- Equal to aluminium alloy for resistance to chemicals

CHARACTERISTICS

Model	Réf.	Flow/Pressure	Weight *	%	In and outlet
Leader Mix 200	MPC-012-EE	200 l/min @ 10 bar	1.9 kg	0.1 – 0.25 – 0.5 – 1 – 2 – 3 – 4 – 5 – 6%	2" BSP M / 2" BSP M
Leader Mix 400	MPC-013-EE	400 l/min @ 10 bar			
Leader Mix 60G	MPC-014-R6	60 GPM @ 200 PSI	2.25 kg	0.5 – 1 – 2 – 3 – 6%	1.5" NH F / 1.5" NH M
Leader Mix 95G	MPC-015-R6	95 GPM @ 200 PSI			

(*Without coupling or pick-up tube)

DIMENSIONS

Models 2" BSP: L. 33 x w. 19.5 x h. 20cm

Models 1.5" NH: L. 39 x w. 19.5 x h. 20cm

GENERAL OPERATING INSTRUCTION

- 1) Place the inductor between pump and foam production device (take care of the orientation: the flow has to go same way as the arrow on the inductor body).
- 2) Choose the right foam concentrate
- 3) Lay the right hose
- 4) Connect the right nozzle
- 5) Charge the hose and open the nozzle fully to establish the water flow.
- 6) Adjust the pump pressure so the educator inlet is set at 10 bars or 200 PSI for GPM models (the outlet pressure will be around 6.5 bars or 130 PSI for GPM models)
- 7) Put the wand in the bucket (the maximum suction height is 1.5m)
- 8) Once the operations are completed, put the suction hose in a bucket of clean water and rinse the proportioner under pressure until clear water is obtained at the outlet of the foam producing unit.

Note:

The educator have been designed to work with foam spraying equipment of an equivalent flow rate. The European standard for educators requires an output pressure of 6.5 bar for an input pressure of the foam generating nozzle of 5 bar.

If the pressure drop is higher than 1.5 bar / 20 PSI (too long hose length or nozzle height very different from that of the proportioner) the unit cannot operate normally and will not suck the concentrate.

As a reminder, every meter of elevation between the foam generator and the proportioner increases the pressure drop by 0.1 bar. The proportioner is designed to suck up to 1.5 meters above the level of the concentrate. Above this level, the device cannot aspirate correctly.

A 90° elbow creates a significant pressure drop depending on the bending radius, any bending of the hose must be avoided throughout the entire pipe construction.

FOAM SELECTION

Actual foam concentrations vary with changes in water flow, foam concentrate temperature and viscosity. The user must verify that the concentrate's performance is suitable for use in their application. In all cases, the foam manufacturer's recommendations must be followed

MAINTENANCE

LeaderMIX inductors are designed and manufactured to be damage resistant and require minimal maintenance. However, as the primary firefighting tool upon which your life depends, it should be treated accordingly. Do not drop or throw equipment

Any inductors that is not operating correctly should be immediately removed from service.

Use with saltwater is permissible provided the equipment is thoroughly

Eductor does not need regular maintenance. However, make sure the eductor is fully cleaned after each usage. Otherwise, the foam concentrate may dry inside and around the percentage ball resulting in plugged metering orifices

WARRANTY

Leader warrants to the original purchaser of its inductor ("equipment"), and to anyone to whom it is transferred, that the equipment shall be free from defects in material and workmanship during the **two (2) year** period from the date of purchase.