



## OVERVIEW

**MOBILE SELF PRIMING INLINE INDUCTORS (Z type)**

**PORTABLE LOW EXPANSION FOAM-MAKING BRANCH PIPES (LS type)**

**SELF PRIMING PORTABLE LOW EXPANSION FOAM-MAKING BRANCH PIPES (LW type)**

**PORTABLE MEDIUM EXPANSION FOAM-MAKING BRANCH PIPES (M type)**

Caccialanza & C. reserves the right to change or modify without previous notice any data or specification due to changes or modification in order to improve the products presented.



## MOBILE SELF PRIMING INLINE INDUCTORS (Z type)

Mobile self priming inline inductors are suitable for admixing a proportionally constant quantity of foam compound to a determined water-flowrate.

They can be used with both medium -and heavy- foam making branch pipes.

Technical data:

- |   |                  |
|---|------------------|
| - max.suction height                                  | : about 3 mt.    |
| - working pressure (water pressure at inductor inlet) | : about 5÷12 bar |
| - pressure loss in the inductor                       | : about 2,5 bar  |
| - admixing percentage regulating valve                | : 3% - 6%        |

Caccialanza & C. Z type mobile self priming inline inductors are available for following water/premix flowrates and in following size:

- Z2 - 200 lt/min - inlet and outlet connection 2"
- Z4 - 400 lt/min - inlet and outlet connection 2"
- Z8 - 800 lt/min - inlet and outlet connection 2½"

Z type mobile self priming inline inductors can be supplied with connecting couplings according to all different required standards (such as BS, NST, AFNOR, STORZ, GOST etc.).

### Mode of operation

The in-line inductors are coupled to the fire hose coming from the hydrant or fire truck on one side and to the fire hose connecting the foam making branch pipe on the other side.

The water flow entering the inline inductor produces a vacuum through the injection effect which aspirates the required percentage of foam compound.

Z-type in line inductors are used as mobile units for mobile foam making branch pipes as follows:

- n.1 inline inductor Z2 for feeding n.1 foam-making branch pipe LS2 or M2 type
- n.1 inline inductor Z4 for feeding n.1 foam-making branch pipe LS4 or M4 type  
or  
for feeding simultaneously n.2 foam-making branch pipes LS2 or M2 type
- n.1 inline inductor Z8 for feeding n.1 foam-making branch pipe LS8 or M8 type  
or  
for feeding simultaneously n.2 foam-making branch pipes LS4 or M4 type  
or  
for feeding simultaneously n.4 foam-making branch pipes LS2 or M2 type

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## PORTABLE LOW EXPANSION FOAM-MAKING BRANCH PIPES (LS type)

Portable low expansion foam-making branch pipes are used in mobile hose lines with water/foam premix and are suitable to produce a low expansion foam for extinguishing fires of flammable liquids or of solid materials.

Their purpose is to add air to the foam/water premix stream forming a fire extinguishing low expansion foam with an expansion rate of about 1:7.

Portable low expansion foam-making branch pipes can be used only in connection with mobile inline inductors or with other foam proportioning systems.

Due to the high density of the foam, the portable low expansion foam-making branch pipes are characterized by a very long range of jet.

Caccialanza & C. LS type portable low expansion foam making branch pipes are available for following foam/water premix nominal flowrates (for a pressure of 5 bar at pipe inlet) and in following size:

- LS2 - 200 lt/min - inlet connection 2"
- LS4 - 400 lt/min - inlet connection 2"
- LS8 - 800 lt/min - inlet connection 2½"

LS type portable low expansion foam making branch pipes can be supplied with connecting couplings according to all different required standards (such as BS, NST, AFNOR, STORZ, GOST etc.).

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## **SELF PRIMING PORTABLE LOW EXPANSION FOAM-MAKING BRANCH PIPES (LW type)**

Self priming portable low expansion foam-making branch pipes are used in mobile hose lines with water/foam premix and are suitable to produce a low expansion foam for extinguishing fires of flammable liquids or of solid materials.

Their purpose is to add air to the foam/water premix stream forming a fire extinguishing low expansion foam with an expansion rate of about 1:7.

The advantage of the self priming portable low expansion foam-making branch pipes (compared with the conventional portable low expansion foam-making branch pipes) is that they aspirate directly the foam compound at the pipe so that they can be used without mobile inline inductors or any other foam proportioning system.

Due to the high density of the foam, the self priming portable low expansion foam-making branch pipes are characterized by a very long range of jet.

Caccialanza & C. LW type self priming portable low expansion foam making branch pipes are available for following foam/water premix nominal flowrates (for a pressure of 5 bar at pipe inlet) and in following size:

- LW2 - 200 lt/min - inlet connection 2"
- LW4 - 400 lt/min - inlet connection 2"
- LW8 - 800 lt/min - inlet connection 2½"

LW type self priming portable low expansion foam making branch pipes can be supplied with connecting couplings according to all different required standards (such as BS, NST, AFNOR, STORZ, GOST etc.).

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## PORTABLE MEDIUM EXPANSION FOAM-MAKING BRANCH PIPES (M type)

Portable medium expansion foam-making branch pipes are used in mobile hose lines with water/foam premix and are suitable to produce medium expansion foam for extinguishing fires of flammable liquids or of solid materials.

Their purpose is to add air to the foam/water premix stream forming a high volume of fire extinguishing medium expansion foam with an expansion rate of about 1:75 (M2 and M4) resp. 1:50 (M8).

Portable medium expansion foam-making branch pipes can be used only in connection with mobile inline inductors or with other foam proportioning systems.

Due to the particular construction, the portable medium expansion foam-making branch pipes are characterized by a very long range of jet.

Caccialanza & C. M type portable medium expansion foam making branch pipes are available for following foam/water premix nominal flowrates (for a pressure of 3 bar at pipe inlet) and in following size:

- M2 - 200 lt/min foam/water premix - 15 m<sup>3</sup>/min foam - inlet connection 2"
- M4 - 400 lt/min foam/water premix - 30 m<sup>3</sup>/min foam - inlet connection 2"
- M8 - 800 lt/min foam/water premix - 40 m<sup>3</sup>/min foam - inlet connection 2½"

M type portable medium expansion foam making branch pipes can be supplied with connecting couplings according to all different required standards (such as BS, NST, AFNOR, STORZ, GOST etc.).

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