



## General description

The function of the stationary inline inductor is to inject foam agent into a water stream. The inductor is designed to handle high counter pressures, allowing a long distance from the injection point to foam applicator.

## Application description

An inline inductor is designed for use in fixed flow foam systems such as low, medium and high expansion foam systems, water/foam deluge and monitors.

## Product features

- Light weight corrosion resistant all stainless steel construction with hot-dipped galvanized slip-on flanges
- Factory calibrated to any flow and pressure in the range
- Specifically designed for low percentage admixture
- Low main stream pressure loss
- Foam induction up to 6%
- Integrated suction check valve
- MI series ranges from 800 l/min at 5.0 bar to 12,000 l/min at 16 bar inlet pressure
- Replaceable internal parts for future system changes
- Suction height up to 3.5 m
- Installation in any vertical / horizontal position

## Connections

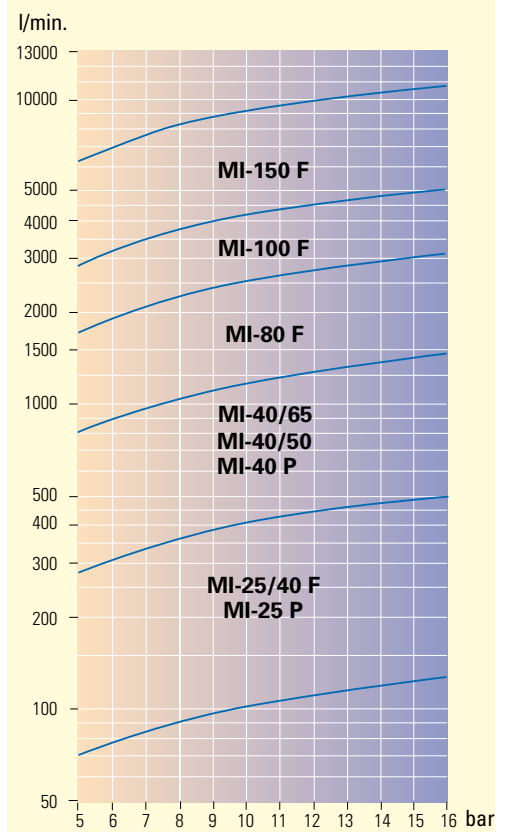
- Water/Foam inlet: flanged to fit DIN PN 16 or ANSI 150lbs
- Foam inlet check valve: screw threaded BSP female

## Optional components

- Foam inlet ball valve: screw threaded BSP female
- Foam concentrate suction hose



## Capacity Range for Inline Inductors



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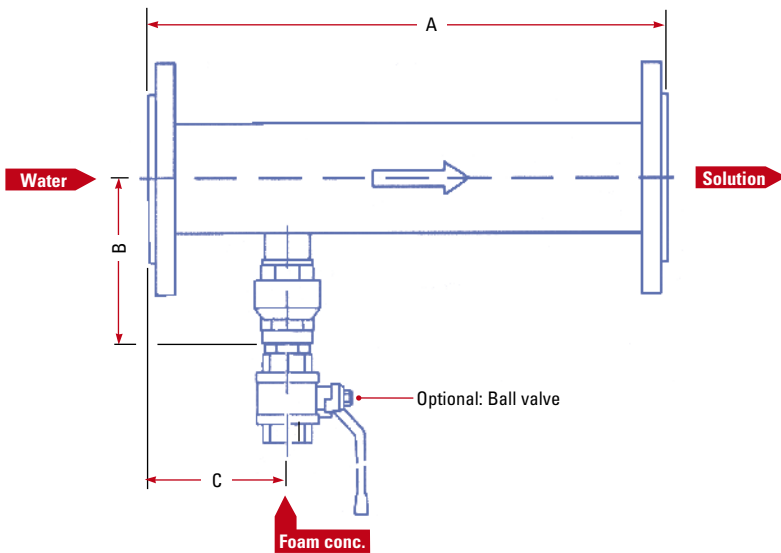
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## MI-80 F/100F 150 F



### Order information - please specify:

1. Part number
2. Size
3. Flange type
4. Induction rate
5. Capacity: flow and pressure

### Performance Data

#### MI-80 F, MI-100 F, MI-150 F

Working pressure	Max. 16 bar / 232 psi
Proportioning	Max. 6%
Pressure drop approx.	33% of inlet pressure

Description	Part No.
MI-80 F DIN 1" BSP	121708149
MI-80 F V DIN 1" BSP	121708156
MI-80 F V DIN 1" BSP 3-6%	121708170
MI-80 F ANSI 1" BSP	121708244
MI-80 F V ANSI 1" BSP	121708251
MI-80 F V ANSI 1" BSP 3-6%	121708265
MI-100 F DIN/ANSI 1 1/4" BSP	121710048
MI-100 F V DIN/ANSI 1 1/4" BSP	121710055
MI-150 F DIN/ANSI 2" BSP	121715446
MI-150 F V DIN/ANSI 2" BSP	121715453

### Technical Data

	MI-80 F	MI-100 F	MI-150 F
Total capacity at 16 bar:	Max. 2,600 l/min 686 USGPM	Max. 5,000 l/min 1,320 USGPM	Max. 12,000 l/min 3,170 USGPM
Connection: Water	80 DIN PN 16 or 3" ANSI 150 lbs	100 DIN PN 16 and fit for 4" ANSI 150 lbs	150 DIN PN 16 and fit for 6" ANSI 150 lbs
Foam	Female 1" BSP 156 l/min	Female 1 1/4" BSP 300 l/min	Female 2" BSP 720 l/min
Dimensions approx:	A	312 mm	490 mm
	B	145mm	157mm
	C	84 mm	130 mm
Weight	10 kg / 29 lbs	19 kg / 38 lbs	28 kg / 62 lbs
Material	Body	Stainless steel	
	Nozzle and diffuser	Polypropylene	
	Flange	Galvanized steel	
	Foam conc. check valve	Brass	

Foam concentrate check valve included  
Optional: Foam concentrate shut-off ball valve (V)

1 bar = 0,1 MPa = 14,5 psi



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