Inline Inductor
MI-80, 100, 150

(replaces datasheet 1004/22)

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 12,500 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

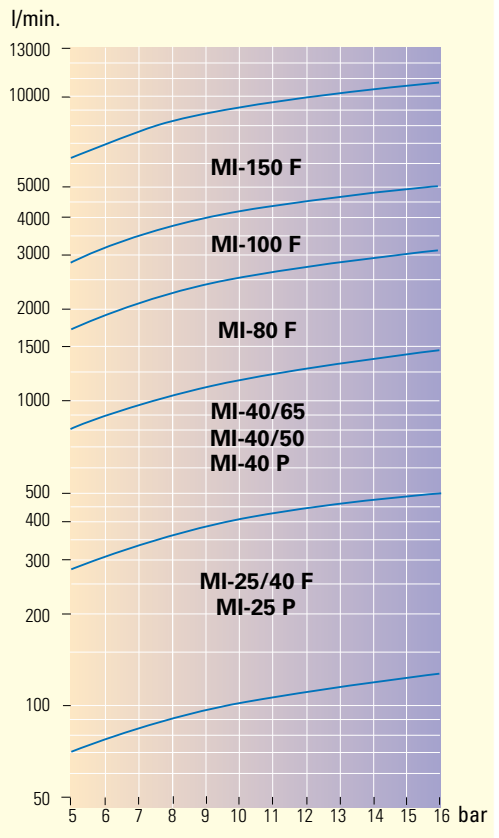
Connections

- Water/Foam inlet: flanged to fit DIN PN16 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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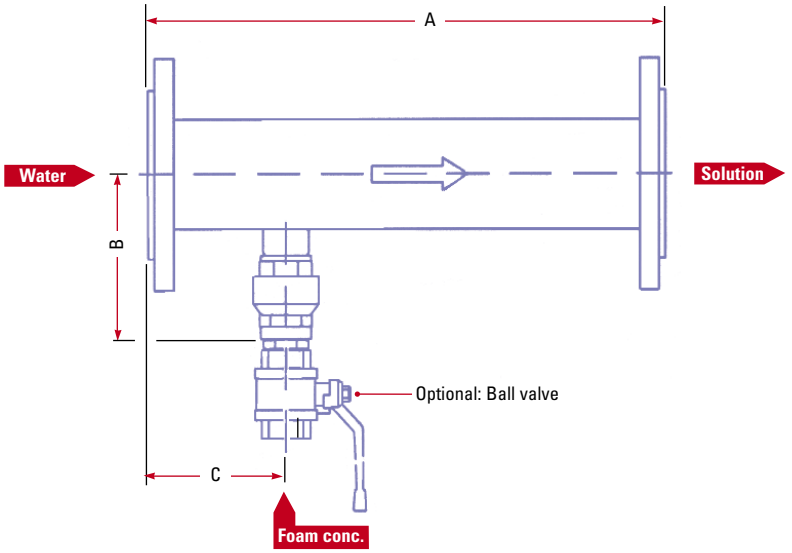
tyco Fire Suppression & Building Products

Stationary Inline Inductor
MI-80, 100, 150

(replaces datasheet 1004/22)

MI-80 F/100F 150 F



Order information - please specify:

1. Size
2. Flange type
3. Induction rate
4. 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.	3% - 30% of inlet pressure
	6% - 35% of inlet pressure

Technical Data

		MI-80 F	MI-100 F	MI-150 F
Total capacity at 16 bar:	3%	Max. 3,150 l/min 832 USGPM	Max. 5,100 l/min 1,347 USGPM	Max. 12,500 l/min 3,300 USGPM
	6%	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 1¼" BSP 300 l/min	Female 2" BSP 720 l/min
Dimensions approx:	A	312 mm	490 mm	565 mm
	B	145mm	157mm	203mm
	C	84 mm	130 mm	136 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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