

Inline Inductor

MI-80, 100, 150

(replaces datasheet 1004/22)

SKUM

Datasheet 1004/31

Page 1 of 2

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

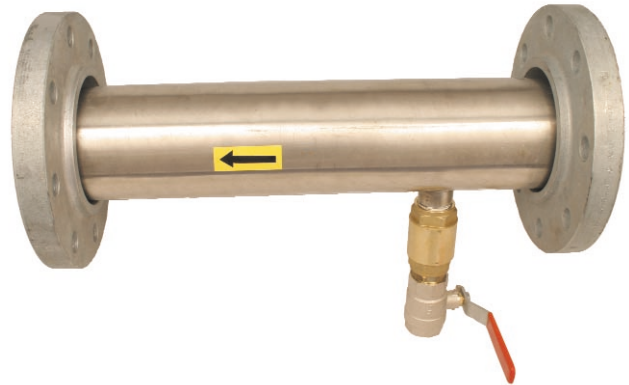
- Light weight corrosion resistant all stainless steel construction with hot-dipped galvanized slip-on flanges
- Factory calibrated to any flow and pressure in the range
- Specifically designed for low percentage admixture
- Low main stream pressure loss
- Foam induction up to 6%
- Integrated suction 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

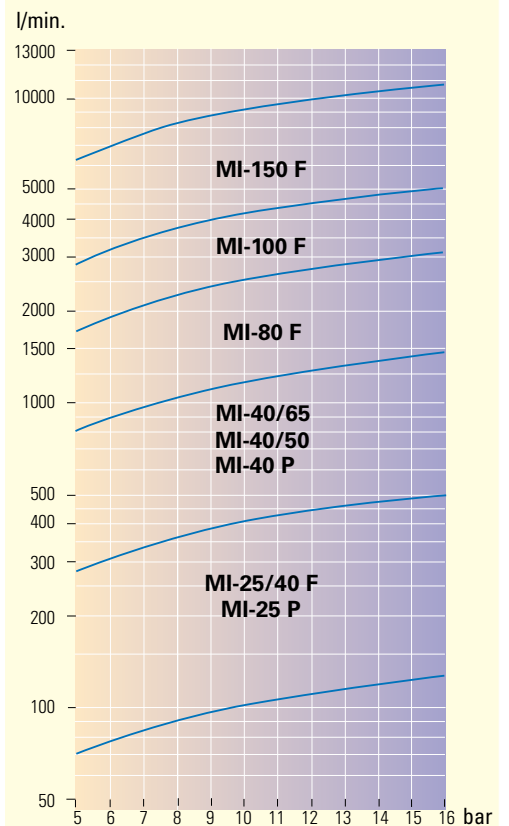
- Water/Foam inlet: flanged to fit DIN PN 16 or ANSI 150lbs
- Foam inlet check valve: screw threaded BSP female

Optional components

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



Capacity Range for Inline Inductors



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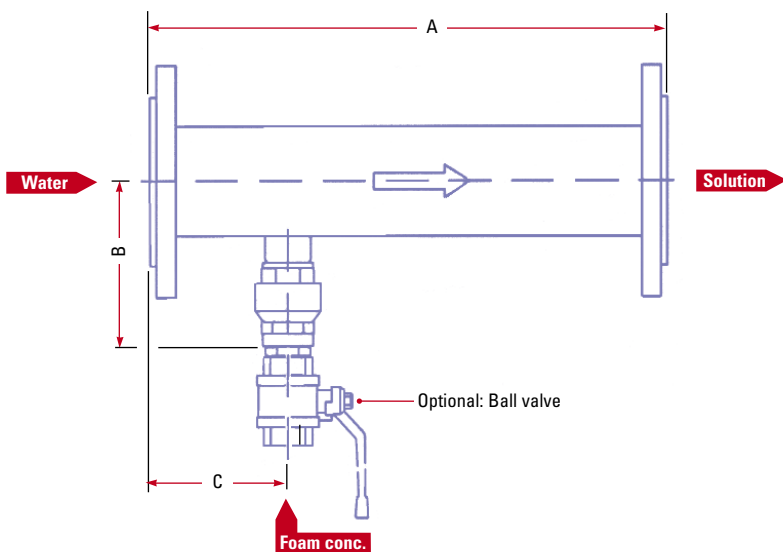
Stationary Inline Inductor

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 1 1/4" 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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