

Inline Inductor MI-80, 100, 150

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 mtr
- Installation in any vertical / horizontal position

Connections

- Water/Foam inlet: flanged to fit DIN PN16 or ANSI 150 lbs
- Foam inlet check valve: screw threaded BSP female

Optional Components

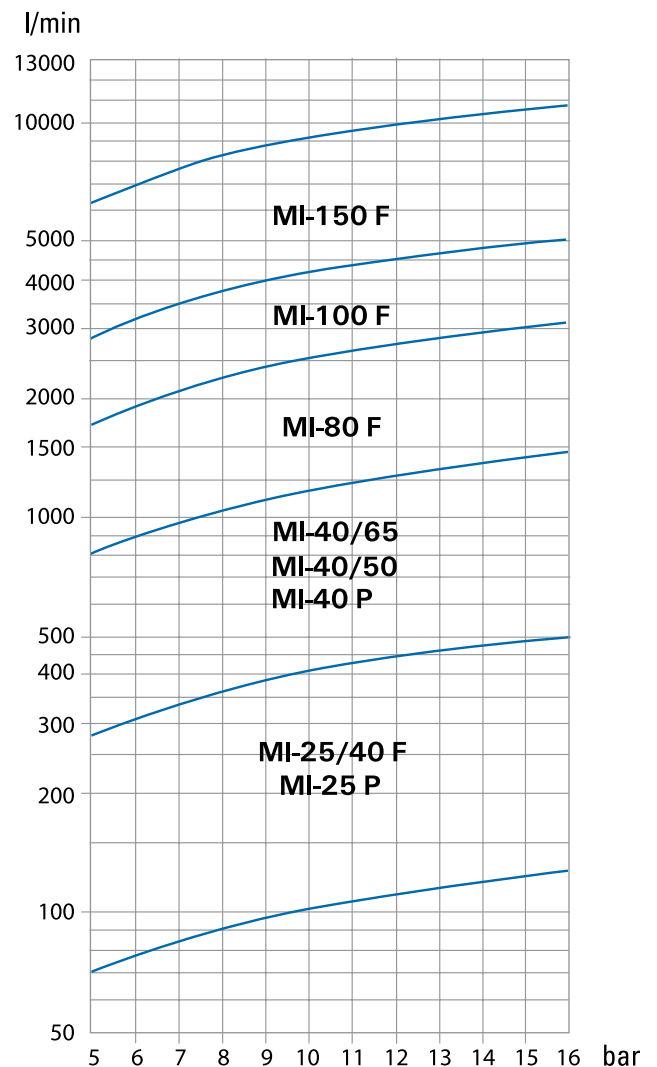
- Foam inlet ball valve: screw threaded BSP female
- Foam concentrate suction hose

Listings or Approvals

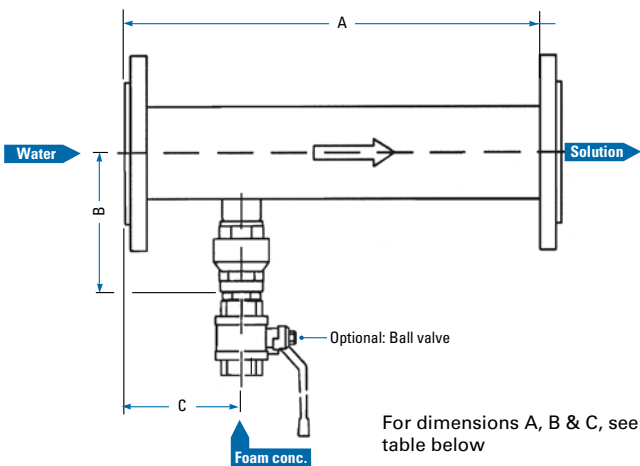
- Russian Maritime Register of Shipping (RMRS)
- Tanusitvany (Hungary)



Capacity Range for Inline Inductors



MI-80 F/100 F/150 F



Performance Data

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

- Working pressure Max. 16 bar / 232 psi
- Proportioning Max. 6%
- Pressure drop approx. 30% of inlet pressure (3%),
35% of inlet pressure (6%)

Order Information - Please Specify

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

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

Technical Data

		MI-80 F	MI-100 F	MI-150 F
■ Total capacity at 16 bar:	3%	Max. 3150 l/min.- 832 USGPM	Max. 5100 l/min. 1347 USGPM	Max. 12500 l/min. 3300 USGPM
	6%	Max. 2600 l/min.- 686 USGPM	Max. 5000 l/min.- 1320 USGPM	Max. 12000 l/min. 3170 USGPM
■ Connection:	Water	80 DIN PN 16 or 3"ANSI 150 lbs	100 DIN PN 16 fit for 4"ANSI 150 lbs	150 DIN PN 16 fit for 6"ANSI 150 lbs
	Foam (Induction < 6%)	Female 3/4" BSP up to 110 l/min.	Female 1" BSP up to 156 l/min.	Female 1 1/2" BSP up to 400 l/min.
	Foam (Induction 6%)	Female 1" BSP 111-156 l/min.	Female 1 1/4" BSP 157-300 l/min.	Female 2" BSP 401-720 l/min
■ Dimensions approx:	A	312 mm	490 mm	565 mm
	B	3/4" 128 / 1" 145	1" 155 / 1 1/4" 157	1 1/2" 193 / 2" 203
	C	84	130	136
■ Weight		10 kg / 29 lbs	19 kg / 38 lbs	28 kg / 62 lbs
	Material			
	Body	Stainless steel	Stainless steel	Stainless steel
	Nozzle and diffuse	Polypropylene	Polypropylene	Polypropylene
	Flange	Galvanized steel	Galvanized steel	Galvanized steel
	Foam conc. check valve	Brass	Brass	Brass

Foam concentrate check valve included Optional: Foam concentrate shut-off ball valve (V)
1 bar = 0.1 MPa = 14.5 psi