

In-line Inductor MI-25 25/40, 40, 50, 65

General Description

The function of the stationary in-line inductor is to inject foam liquid into a water stream. The inductor is designed to handle high back pressures, extending the distance from injection point to foam applicator.

Application Description

An in-line inductor is used in fixed installations to inject low/medium and high expansion foam concentrates into water flow lines for deluge and fire monitor installations.

Product Features

- Corrosion resistant with brass body construction
- Factory calibrated to any flow and pressure within the range
- Integrated suction check valve
- MI series ranges from 70 Lpm at 5.0 bar to 1,450 Lpm at 16 bar inlet pressure
- Suction height up to 3.5 m
- Foam induction up to 6%
- Installation in horizontal or vertical plane
- Hot-dipped galvanized steel flanges

Installation

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

Optional Components

- Optional bronze flanges
- Foam concentrate suction hose
- Inductors available in alternative materials -please enquire for further details

Listings or Approvals

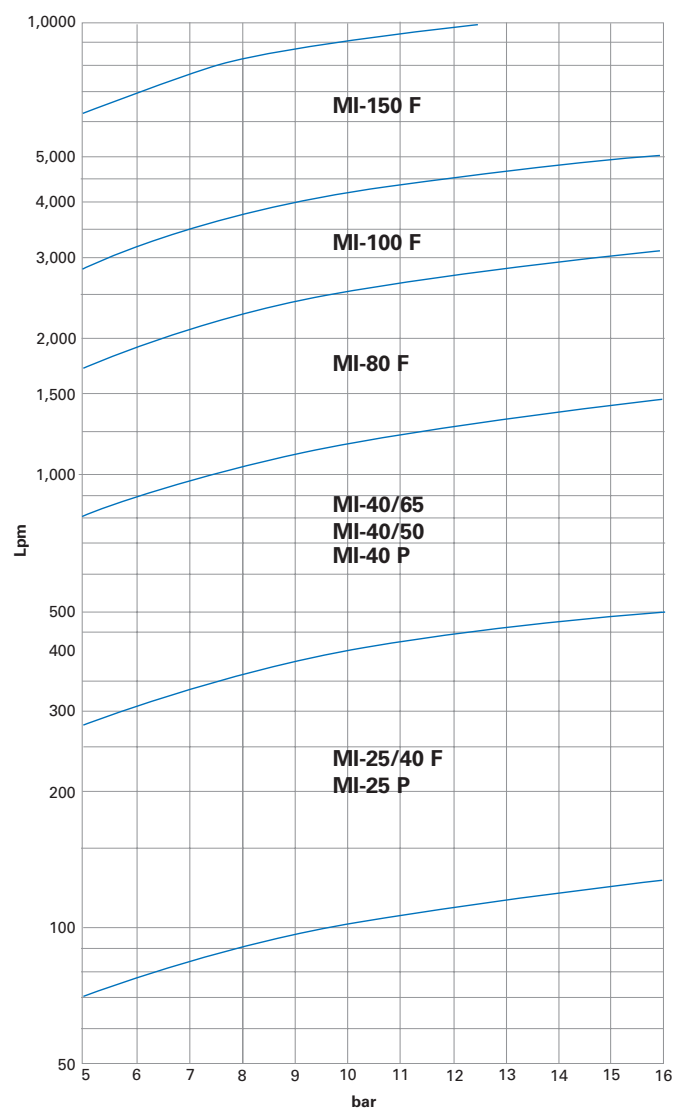
- Russian Maritime Register of Shipping (RMRS)
- Det Norske Veritas DNV (MI-25, 25/40, 40 for use with MLR-40/SA systems only)

Ordering Information

1. Part number
2. Flow (Lpm)
3. Pressure (bar)
4. Induction rate (%)



Capacity Range for In-line Inductors



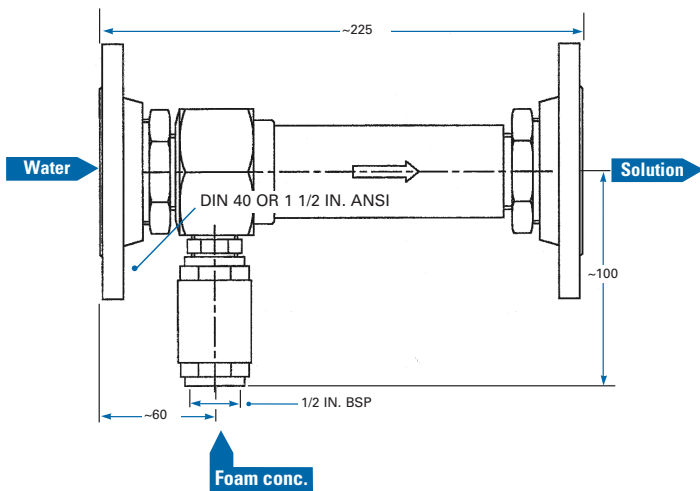
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Ordering Information (continued)

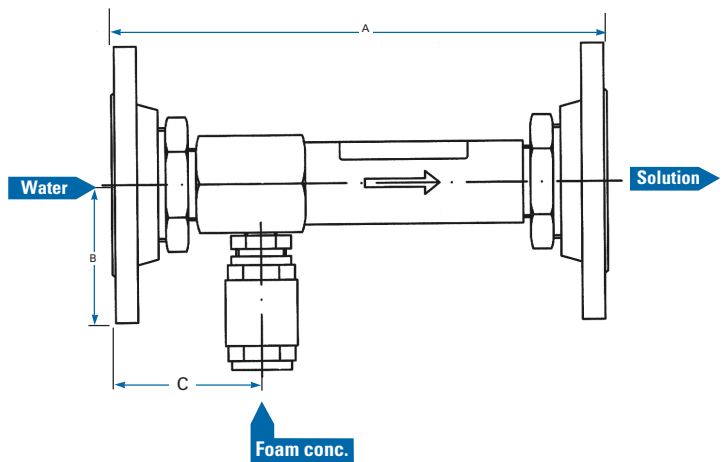
Part No.	Description
121102505	MI-25 F
121102422	MI-25 F 3% or 6%
121102519	MI-25/40 F DIN
121102630	MI-25/40 F ANSI
121102533	MI-25/50 F DIN
121105637	MI-25/50 F ANSI
121102512	MI-25/F 2 in. BSP male
121102402	MI-25/P, c/w suction hose & tube, > in., 1.5 m
121304100	MI-40 F BSP
121304103	MI-40 F DIN
121304105	MI-40 F DIN 3% to 6%
121304201	MI-40 F ANSI
121304204	MI-40 F ANSI 3% to 6%
121304082	MI-40 P FC/T, 1 in., 1.5 m

121304107	MI-50 F DIN
121304110	MI-50 F DIN 3% to 6%
121304205	MI-50 F ANSI
121304207	MI-50 F ANSI 3% to 6%
121304114	MI-65 F DIN
121304128	MI-65 F DIN 3% to 6%
121304212	MI-65 F ANSI
121304226	MI-65 F ANSI 3% to 6%
121802305	MI-25 Suction hose FC/V Foam valve, > in., 1.5 m
121802181	MI-25 suction hose with tube FC/T, 1/2 in., 1.5 m
121804059	MI-40 Suction hose FC, 1 in., 1.5 m
121804024	MI-40 Suction hose with tube FC/T, 1 in., 1.5 m
121804307	MI-40-65 Suction hose FC/V Foam valve, 1 in., 1.5 m

MI-25 / 40



MI-50 / 60



For dimensions A, B & C see table below

Performance Data

	MI-25 and MI-25/40	MI-40, MI-50 and MI-65
Water capacity at 16 bar	Max 500 Lpm	Max 1,450 Lpm
Working pressure	Max 16 bar	Max 16 bar
Proportioning	Max 6%	Max 6%
Pressure drop	Approx. 35 % of inlet pressure	Approx. 35% of inlet pressure

Performance Data

	MI-25	MI-25/40	MI-40	MI-50	MI-65
Connection: Water	Male 1 in. BSP	40 DIN PN 16 or 1 1/2 in. ANSI 150 lb	Female 1 1/2 in.	50 DIN PN 16 or 2 in. ANSI 150 lb	65 DIN PN 16 or 2 1/2 in. ANSI 150 lb
Connection: Foam	Female 1/2 in. BSP	Female 1/2 in. BSP	Female 1 in. BSP	Female 1/2 in. BSP	Female 1/2 in. BSP
Weight	2.6 kg (5.75 lb)	7.0 kg (15.5 lb)	5.5 kg (12.2 lb)	7.0 kg (15.5 lb)	13 kg (28.7 lb)
Material: Body	Brass	Brass	Brass	Brass	Brass
Material: Flange	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel	Galvanized steel
Included	Foam concentrate check valve	Foam concentrate check valve	Foam concentrate check valve	Foam concentrate check valve	Foam concentrate check valve
Optional	Foam concentrate suction hose	Foam concentrate suction hose	Foam concentrate suction hose	Foam concentrate suction hose	Foam concentrate suction hose
Dimension approx. A			218 mm	330 mm	330 mm
Dimension approx. B			123 mm	123 mm	123 mm
Dimension approx. C			43 mm	100 mm	100 mm

1 bar = 0.1 MPa = 14.5 psi