



## IN-LINE Foam Inductors

For portable and fixed Foam Systems



## Application

The MX Series In-line foam inductors for fixed-flow systems.

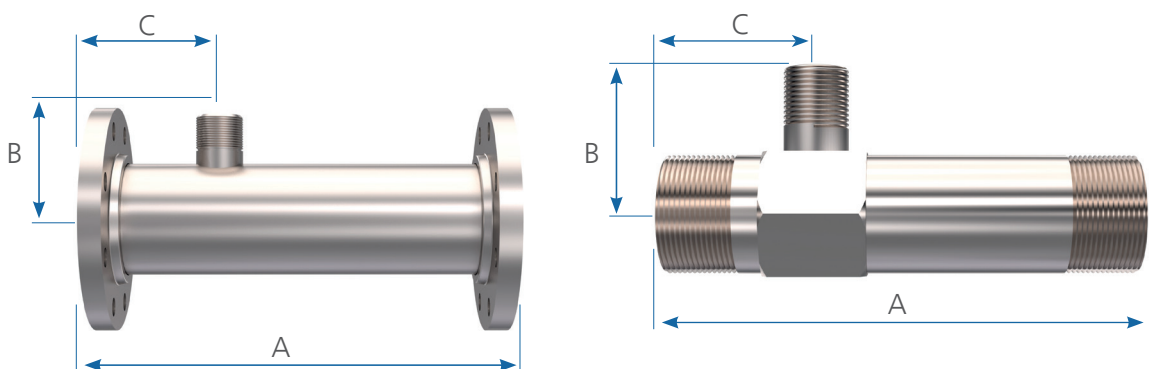
## Operation

The MX Series is designed for installation within pipework, the MX-40 is available with either a threaded or flanged connection, with the MX-50, MX-80 and MX-100 being available only with flanged connections - either ANSI # 150 or DIN PN-16.

MX series inductors work on the Venturi principle, i.e. foam concentrate is sucked into the inductor without needing to use any pressurised sources such as a bladder tank or foam pump. Inductors are equipped with an exact orifice plate at the foam entry port in order to provide the required accurate foam supply. Each inductor is factory calibrated for the required flow, pressure and foam concentrate type

## Requirement

MX Series inductors are delivered with factory calibration as per project specific requirements. To ensure the inductor functions properly as required, all of the following information is essential:



## Technical Specifications

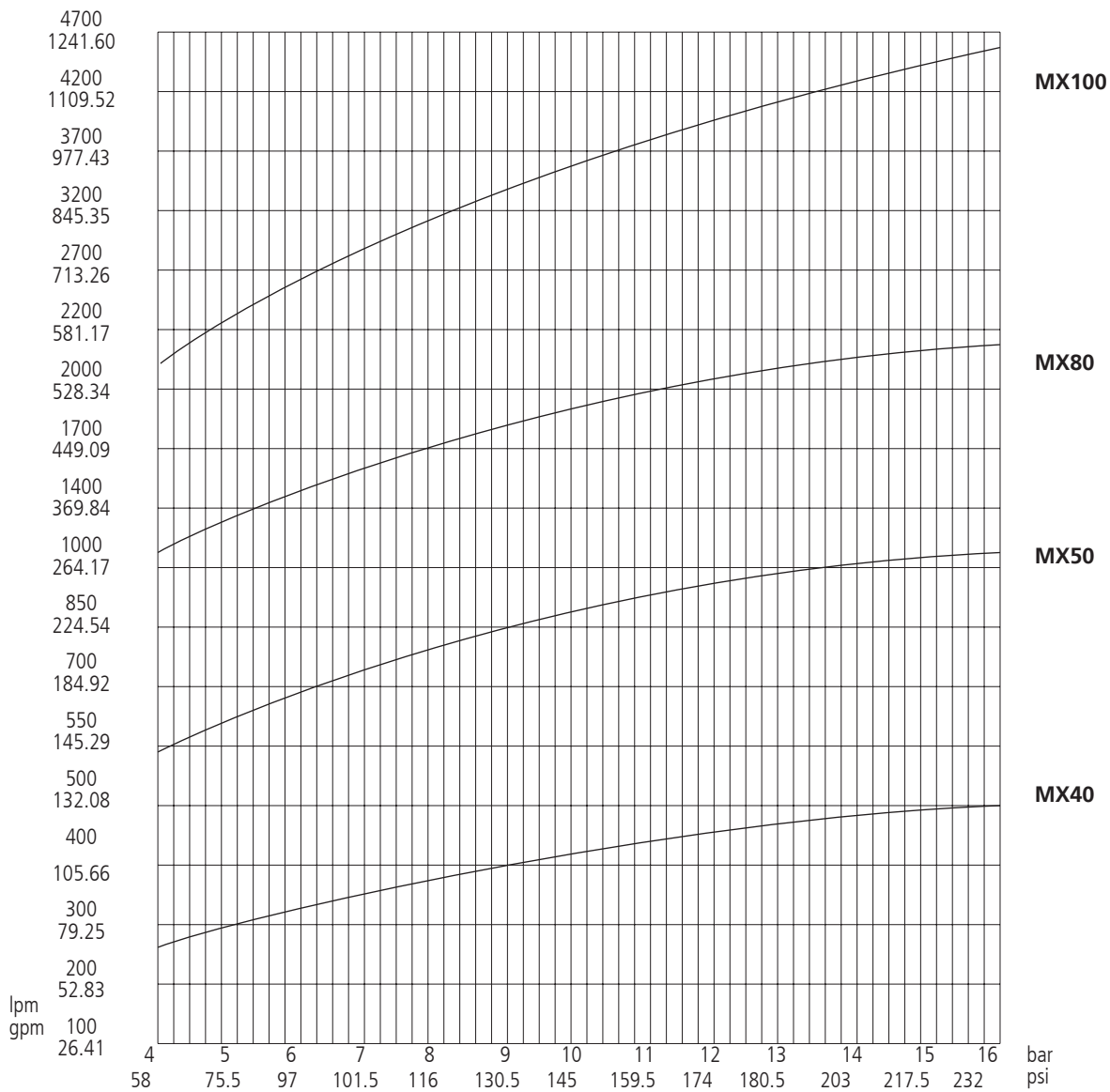
| Model                   | MX-40                  | MX-50                       | MX-80                       | MX-100                      |
|-------------------------|------------------------|-----------------------------|-----------------------------|-----------------------------|
| A (mm)                  | 194±2                  | 230±2                       | 316±2                       | 425±2                       |
| B (mm)                  | 60±2                   | 75±2                        | 89±2                        | 107±2                       |
| C (mm)                  | 62.50±2                | 72±2                        | 96±2                        | 127±2                       |
| Connection              | Threaded<br>BSP or NPT | Flange ANSI 2"<br>SORF #150 | Flange ANSI 3"<br>SORF #150 | Flange ANSI 4"<br>SORF #150 |
| Foam Inlet              | 3/4" NPT (M)           | 1" NPT (M)                  | 1" NPT (M)                  | 1.5" NPT (M)                |
| Material                | SS-316L/ Super Duplex  | SS-316L/ Super Duplex       | SS-316L/ Super Duplex       | SS-316L/ Super Duplex       |
| Internal Fittings       | POM                    | POM                         | POM                         | POM                         |
| Finish                  | Natural / Painted      | Natural / Painted           | Natural / Painted           | Natural / Painted           |
| Approx. Weight          | 1.2 kg / 2.65 lb       | 5.7 kg / 12.5 lb            | 11.6 kg / 25.6 lb           | 18.2 kg / 40.1 lb           |
| Foam Type               | AFFF-1% and 3% *       | AFFF-1% and 3%              | AFFF-1% and 3% *            | AFFF-1% and 3% *            |
| Flow Rate - Min         | 265 lpm (70 gpm)       | 505 lpm (133 gpm)           | 1080 lpm (285 gpm)          | 2040 lpm (539 gpm)          |
| Flow Rate - Max.        | 525 lpm (139 gpm)      | 1060 lpm (280 gpm)          | 2250 lpm (594 gpm)          | 4300 lpm (1136 gpm)         |
| Working Pressure - Min. | 4 bar (58psi)          | 4 bar (58psi)               | 4 bar (58 psi)              | 4 bar (58psi)               |
| Working Pressure - Max. | 16 bar (232psi)        | 16 bar (232psi)             | 16 bar (232 psi)            | 16 bar (232psi)             |

## Listing and Certification

- 🔥 American Bureau of Shipping (ABS)
- 🔥 Underwriters Laboratory (UL)

- 🔥 Lloyd's Register of Shipping (LRS)





## Part Number

| Stainless Steel 316L – AFFF-3% |      |           |
|--------------------------------|------|-----------|
| MX-40                          | 1.5" | 118050106 |
| MX-50                          | 2"   | 118060106 |
| MX-80                          | 3"   | 118080106 |
| MX-100                         | 4"   | 118090106 |

| Super Duplex – AFFF-3% |      |           |
|------------------------|------|-----------|
| MX-40                  | 1.5" | 118050107 |
| MX-50                  | 2"   | 118060107 |
| MX-80                  | 3"   | 118080107 |
| MX-100                 | 4"   | 118090107 |







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