

Series MX coalescing filters

MX2 ports: G3/8, G1/2, G3/4 - MX3 ports: G3/4, G1

Modular

Bowl with technopolymer cover and bayonet-type mounting



- » High performance and compressed air purity
- » Air quality according to ISO 8573-1 standard
- » Cartridge filters 1 or 0,01 µm
- » Manual, automatic or depressing drain
- » Bowl locking system reducing the risk of accidents

The Series MX has been realized to offer a multi-sector solution that guarantees saving in terms of installation time, space and costs. A special configurator, available on Camozzi website at <http://catalogue.camozzi.com> (sec. Configurators), allows the customer to choose the most suitable solution for his application, selecting single components or by configuring assembled FRLs.

MX is the new series of air treatment components realized by Camozzi, characterized by a modern, linear and compact design, offering high performances. The perfect integration between metal alloys and technopolymers has allowed the realization of a reliable product, light and strong at the same time. Thanks to a new concept of modularity, moreover, the mounting of components has become easier.

GENERAL DATA

| | | |
|--|--|------------------------|
| Construction | modular, compact | |
| Materials | see TABLE OF MATERIALS (pag. 3/1.10.02) | |
| Ports | MX2: G3/8 - G1/2 - G3/4 MX3: G3/4 - G1 | |
| Condensate capacity | MX2: 55 cc MX3: 85 cc | |
| Mounting | vertical in-line wall-mounting (by means of clamps) | |
| Operating temperature | -5°C + 50°C up to 16 bar (with the dew point of the fluid lower than 2°C at the min. working temperature) -5°C + 60°C up to 10 bar (with the dew point of the fluid lower than 2°C at the min. working temperature) | |
| Draining of condensate | MX2: manual-semi automatic (standard), automatic, depressurization protected, without drain with port G1/8 MX3: manual-semi automatic (standard), without drain with port G1/8 | |
| Operating pressure | 0,3 + 16 bar (with automatic drain 1,5 + 12 bar) | |
| Nominal flow | see FLOW DIAGRAMS (pag. 3/1.10.03) | |
| Porosity of filtering element | 0,01 µm | 1 µm |
| Residual oil content with inlet at 3 mg/m ³ | < 0,01mg/m ³ | < 0,1mg/m ³ |
| Oil retain efficiency | 99,80% | 97% |
| Particles retain efficiency | 99,99999% | 99,999% |
| Fluid | compressed air | |
| Pre-filtering with filtering element of 1 µm | it is recommended to use a filter of 5 µm | |
| Pre-filtering with filtering element of 0,01 µm | it is recommended to use a filter with residual oil of 0,1 mg/m ³ | |

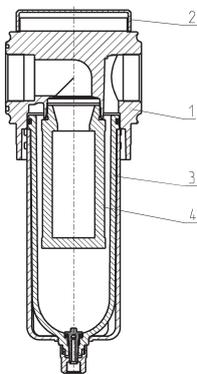
CODING EXAMPLE

| | | | | | | | | | |
|-----------|----------|----------|------------|----------|-----------|----------|----------|----------|-----------|
| MX | 2 | - | 3/8 | - | FC | 0 | 0 | - | LH |
|-----------|----------|----------|------------|----------|-----------|----------|----------|----------|-----------|

| | |
|------------|---|
| MX | SERIES |
| 2 | SIZE: 2 = G3/8 - G1/2 - G3/4 3 = G3/4 - G1 |
| 3/8 | PORTS: 3/8 = G3/8 1/2 = G1/2 3/4 = G3/4 1 = G1 |
| FC | COALESCING FILTER |
| 0 | FILTERING ELEMENT: 0 = 0,01 µm (standard) 1 = 1 µm |
| 0 | DRAINING OF CONDENSATE: 0 = semiautomatic-manual drain (standard) 3 = automatic drain 5 = depressuring drain, protected 8 = without drain, with port G1/8 |
| LH | FLOW DIRECTION: = from left to right (standard) LH = from right to left |

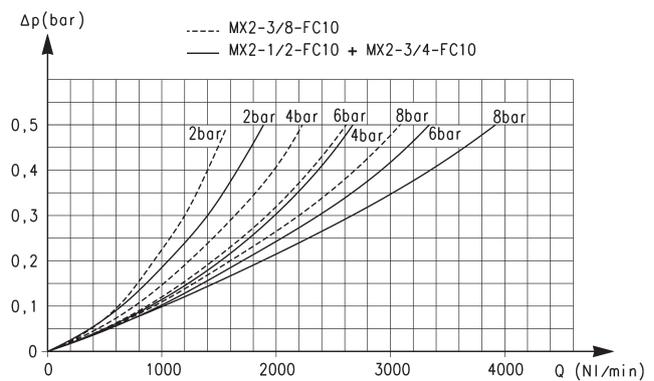
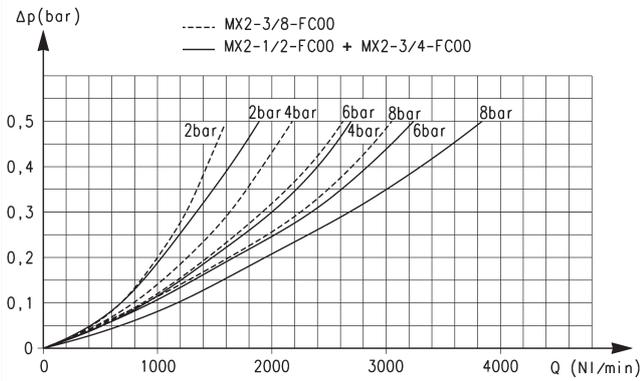
For the assembly of a single component with fixing flanges or wall-mounting, see the section "FRL Series MX Assembled" (pag. 3/1.50.01)

Coalescing filters Series MX - materials



| PARTS | MATERIALS |
|--|-------------------------|
| 1 = Body | Aluminium |
| 2 = Covering | Polyacetal |
| 3 = Bowl with technopolymer cover | Polycarbonate/Polyamide |
| 4 = Filtering element | Borosilicate |
| Seals | NBR |

MX2 FLOW DIAGRAMS



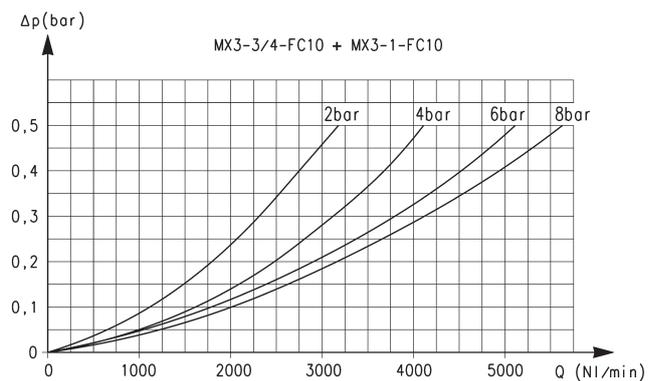
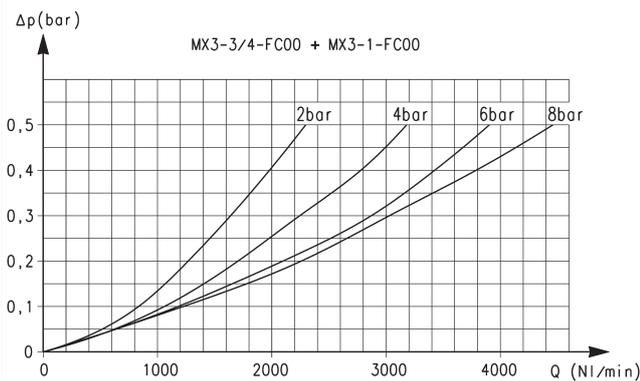
Reference diagram for models with filtering element = 0,01 µm

Reference diagram for models with filtering element = 1 µm

Δp = Pressure drop
Q = Flow

Δp = Pressure drop
Q = Flow

MX3 FLOW DIAGRAMS



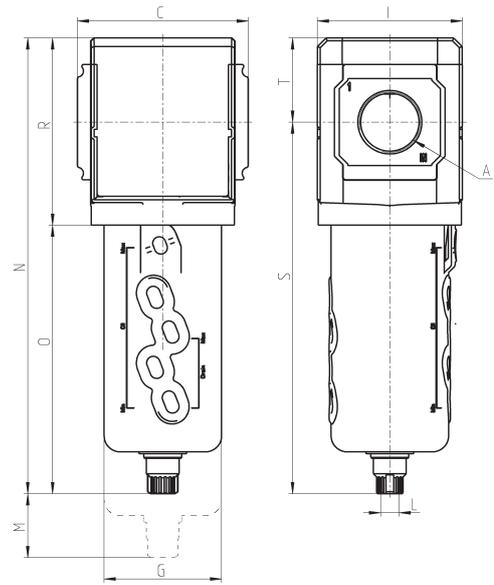
Reference diagram for models with filtering element = 0,01 µm

Reference diagram for models with filtering element = 1 µm

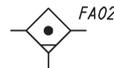
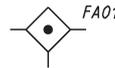
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Coalescing filters Series MX - dimensions



| Mod. | A | C | G | I | L | M | N | O | R | S | T | Weight (Kg) |
|---------------------|------|------|------|----|------|----|-----|-----|----|-------|------|-------------|
| MX2-3/8-FC00 | G3/8 | 70 | 55,3 | 68 | G1/8 | 52 | 212 | 127 | 85 | 174,5 | 37,5 | 0.5 |
| MX2-1/2-FC00 | G1/2 | 70 | 55,3 | 68 | G1/8 | 52 | 212 | 127 | 85 | 174,5 | 37,5 | 0.5 |
| MX2-3/4-FC00 | G3/4 | 70 | 55,3 | 68 | G1/8 | 52 | 212 | 127 | 85 | 174,5 | 37,5 | 0.5 |
| MX3-3/4-FC00 | G3/4 | 89,5 | 61,5 | 76 | G1/8 | 75 | 241 | 142 | 99 | 196,5 | 44,5 | 0.8 |
| MX3-1-FC00 | G1 | 89,5 | 61,5 | 76 | G1/8 | 75 | 241 | 142 | 99 | 196,5 | 44,5 | 0.8 |



FA01 = coalescing filter without drain with threaded port

FA03 = coalescing filter with automatic or depressuring drain

FA02 = coalescing filter with semi-automatic manual drain