



## THE X CONCEPT FOR OUR FILTERS

Protect the performance of your system with MYclean.

Quality and efficiency are fundamental for MP Filtri:

this exclusive new filter element possesses polygon shape geometry and specific seal that ensures only original spare parts can be used - ensuring correct operation and higher system reliability.

## MPFX series

with  MFX Filter Element



- **Protects the machine from improper use of non-original products.**
- **Safety of constant quality protection & reliability**

With exclusive filter element you are sure that only MP Filtri filter elements can be used, ensuring the best cleaning level of the oil due to the use of originals filter elements.



The products identified as MPFX are protected by:

- Italian Patent n° 102014902261205
- Canadian Patent n° 2,937,258
- European Patent n° 3 124 092 B1
- US Patent n° 20170030384 A1

TOGETHER WITH  , AS OPTION, MPFX SERIES CAN BE PROVIDED WITH

**zerospark®**  
THE ANTI-STATIC FILTERS

## THE Z CONCEPT FOR OUR FILTERS



Zerospark® is a specialist solution designed to solve the problem of electrostatic discharge inside hydraulic filters. Caused by the electrical charge build-up due to the passage of oil through the filters, this can result in damage to filter elements, oils and circuit components. It can even cause fire hazards in environments where flammable materials are present.

# MPFX series

Maximum working pressure up to 800 kPa (8 bar) - Flow rate up to 900 l/min



# MPFX GENERAL INFORMATION

## Description

## Technical data

### Return filter

**Maximum working pressure up to 800 kPa (8 bar)**  
**Flow rate up to 900 l/min**

MPFX is a range of return filters for protection of the reservoir against the system contamination.

They are directly fixed to the reservoir, in immersed or semi-immersed position.

The filter output must be always immersed into the fluid to avoid aeration or foam generation into the reservoir.

### Available features:

- Female threaded connections up to 2" and flanged connections up to 2", for a maximum flow rate of 900 l/min
- Multiple connections, to connect several return lines or drains
- Fine filtration rating, to get a good cleanliness level into the reservoir
- Bypass valve integrated into the filter element, to relieve excessive pressure drop across the filter media
- 2, 3 or 4 fixing holes for installation, to suit a variety of reservoir surfaces
- O-ring or Flat Seal to suit a variety of reservoir surfaces
- Oil dipstick, to easily check the level of the fluid into the reservoir (sold as separate item)
- Extension tube, to be used in deep reservoirs (sold as separate item)
- Diffuser, to reduce the risk of aeration, foaming and noise (sold as separate item)
- Filler plug, to fill cleaned fluid into the tank without an additional connection
- Visual, electrical and electronic clogging indicators
- MYclean interface connection, to protect the product against non-original spare parts
- External protective wrap, to optimize the flow through the element and to save the element efficiency against non-proper handling

### Common applications:

- Light Industrial equipment
- Mobile application

### Filter housing materials

- Head: Aluminium
- Cover  
Polyamide: MPFX 030-100-104-110  
Aluminium: MPFX 181-182-184-191-192-194-400-410-450-451-750
- Bowl: Polyamide

### Bypass valve

- Opening pressure 175 kPa (1.75 bar)  $\pm 10\%$
- Opening pressure 300 kPa (3 bar)  $\pm 10\%$

### $\Delta p$ element type

- Microfiber filter elements - series H: 10 bar
- Fluid flow through the filter element from OUT to IN

### Seals

- Standard NBR series A
- Optional FPM series V

### Temperature

From -25 °C to +110 °C

### Note

MPFX filters are provided for vertical mounting

## Weights [kg] and volumes [dm<sup>3</sup>]

| Filter series | Weights [kg] |      |      |      |      | Volumes [dm³] |      |      |      |      |
|---------------|--------------|------|------|------|------|---------------|------|------|------|------|
|               | Length       | 1    | 2    | 3    | 4    | Length        | 1    | 2    | 3    | 4    |
| MPFX 030      |              | 0.40 | -    | -    | -    |               | 0.29 | -    | -    | -    |
| MPFX 100      |              | 0.61 | 0.64 | 0.67 | 0.74 |               | 0.64 | 0.85 | 1.20 | 1.65 |
| MPFX 104      |              | 0.82 | 0.96 | 1.02 | 1.25 |               | 0.64 | 0.85 | 1.20 | 1.65 |
| MPFX 110      |              | 0.64 | 0.68 | 0.71 | 0.78 |               | -    | -    | -    | -    |
| MPFX 181      |              | 2.20 | 3.00 | -    | -    |               | 2.50 | 4.00 | -    | -    |
| MPFX 182      |              | 2.30 | 3.10 | -    | -    |               | 2.50 | 4.00 | -    | -    |
| MPFX 184      |              | 2.55 | 3.45 | -    | -    |               | 2.65 | 4.45 | -    | -    |
| MPFX 191      |              | -    | 3.00 | -    | -    |               | -    | 4.25 | -    | -    |
| MPFX 192      |              | -    | 3.10 | -    | -    |               | -    | 4.25 | -    | -    |
| MPFX 194      |              | -    | 3.45 | -    | -    |               | -    | 4.45 | -    | -    |
| MPFX 400      |              | 3.35 | 3.65 | 3.90 | -    |               | 3.70 | 4.60 | 5.40 | -    |
| MPFX 410      |              | 3.55 | 3.85 | 4.10 | -    |               | 3.70 | 4.60 | 5.40 | -    |
| MPFX 450-451  |              | 3.95 | 4.25 | 4.50 | -    |               | 3.70 | 4.60 | 5.40 | -    |
| MPEX 750      |              | 6.30 | -    | -    | -    |               | 8.45 | -    | -    | -    |

Flow rates [l/min]

| Filter series           | Length   | Filter element design - H series |     |     |     |     | Filter element design - N series |     |     |
|-------------------------|----------|----------------------------------|-----|-----|-----|-----|----------------------------------|-----|-----|
|                         |          | A03                              | A06 | A10 | A16 | A25 | M25<br>M60<br>M90                | P10 | P25 |
| <b>MPFX 030</b>         | <b>1</b> | 7                                | 10  | 24  | 29  | 47  | 84                               | 60  | 66  |
| <b>MPFX 100-104-110</b> | <b>1</b> | 18                               | 20  | 53  | 56  | 65  | 153                              | 87  | 96  |
|                         | <b>2</b> | 28                               | 38  | 65  | 75  | 95  | 158                              | 111 | 123 |
|                         | <b>3</b> | 48                               | 55  | 125 | 135 | 169 | 289                              | 224 | 251 |
|                         | <b>4</b> | 79                               | 89  | 180 | 185 | 198 | 306                              | 264 | 289 |
| <b>MPFX 181-182-184</b> | <b>1</b> | 127                              | 148 | 235 | 243 | 278 | 441                              | 285 | 299 |
|                         | <b>2</b> | 231                              | 262 | 358 | 382 | 388 | 472                              | 404 | 412 |
| <b>MPFX 191-192-194</b> | <b>2</b> | 261                              | 305 | 489 | 528 | 546 | 696                              | 583 | 598 |
| <b>MPFX 400</b>         | <b>1</b> | 150                              | 171 | 294 | 304 | 350 | 585                              | 370 | 390 |
|                         | <b>2</b> | 237                              | 252 | 454 | 462 | 589 | 868                              | 619 | 645 |
|                         | <b>3</b> | 248                              | 288 | 553 | 609 | 621 | 885                              | 680 | 703 |
| <b>MPFX 410</b>         | <b>1</b> | 146                              | 167 | 277 | 285 | 325 | 512                              | 341 | 357 |
|                         | <b>2</b> | 226                              | 239 | 396 | 402 | 485 | 644                              | 503 | 519 |
|                         | <b>3</b> | 236                              | 269 | 462 | 497 | 505 | 653                              | 539 | 553 |
| <b>MPFX 450-451</b>     | <b>1</b> | 150                              | 171 | 294 | 304 | 350 | 585                              | 370 | 390 |
|                         | <b>2</b> | 237                              | 252 | 454 | 462 | 589 | 868                              | 619 | 645 |
|                         | <b>3</b> | 248                              | 288 | 553 | 609 | 621 | 885                              | 680 | 703 |
| <b>MPFX 750</b>         | <b>1</b> | 392                              | 465 | 623 | 700 | 769 | 929                              | 804 | 819 |

## Maximum flow rate for a complete return filter with a pressure drop $\Delta p = 0.5$ bar.

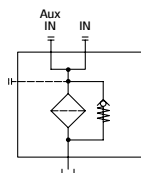
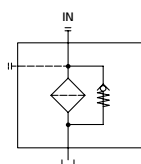
The reference fluid has a kinematic viscosity of 30 mm<sup>2</sup>/s (cSt) and a density of 0.86 kg/dm<sup>3</sup>.

For different pressure drop or fluid viscosity we recommend to use our selection software available on [www.mpfiltri.com](http://www.mpfiltri.com).

You can also calculate the right size using the formulas present on the FILTER SIZING paragraph at the beginning of the full catalogue or at the beginning of the filter family brochure. Please, contact our Sales Department for further additional information.

## Hydraulic symbols

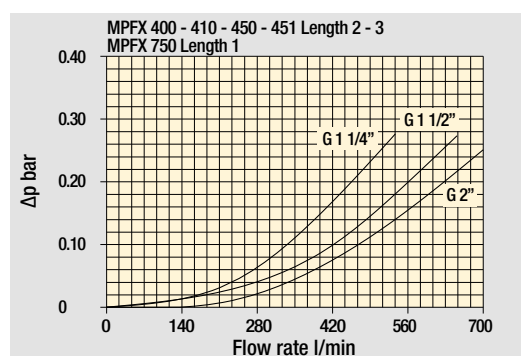
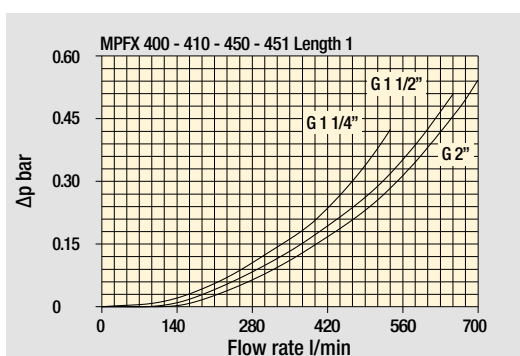
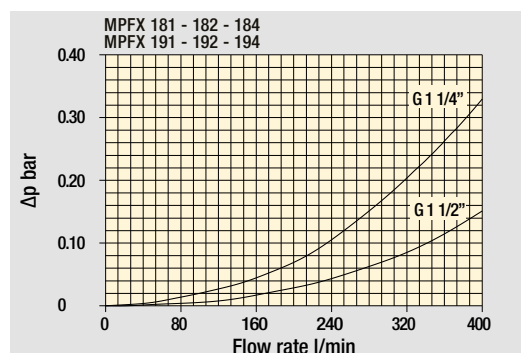
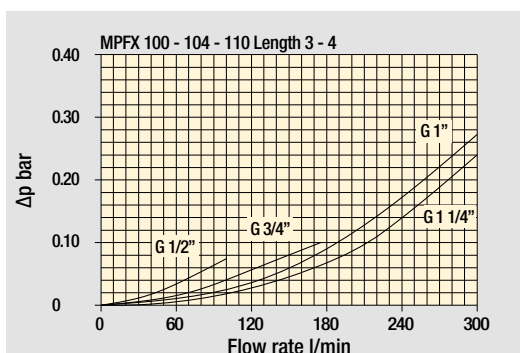
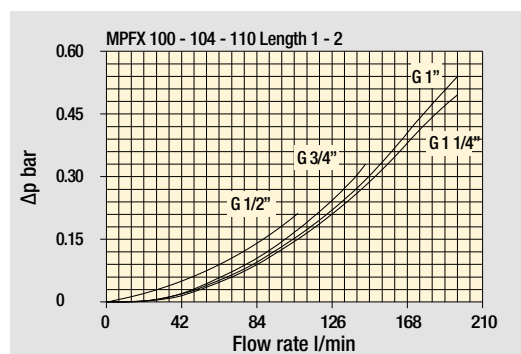
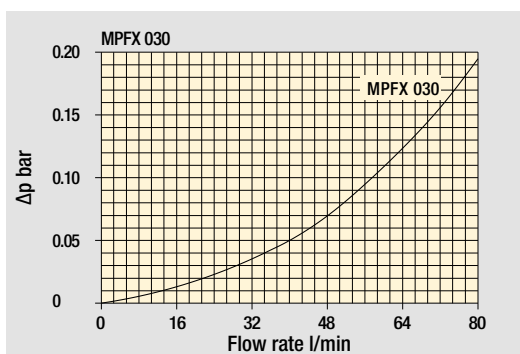
| Filter series   | Style 1 connection | Style 2 connections |
|-----------------|--------------------|---------------------|
| <b>MPFX 030</b> | •                  | -                   |
| <b>MPFX 100</b> | •                  | -                   |
| <b>MPFX 104</b> | •                  | -                   |
| <b>MPFX 110</b> | -                  | •                   |
| <b>MPFX 181</b> | •                  | -                   |
| <b>MPFX 182</b> | -                  | •                   |
| <b>MPFX 184</b> | •                  | •                   |
| <b>MPFX 191</b> | •                  | -                   |
| <b>MPFX 192</b> | •                  | -                   |
| <b>MPFX 194</b> | •                  | •                   |
| <b>MPFX 400</b> | •                  | -                   |
| <b>MPFX 410</b> | -                  | •                   |
| <b>MPFX 450</b> | •                  | -                   |
| <b>MPFX 451</b> | -                  | •                   |
| <b>MPFX 750</b> | •                  | -                   |



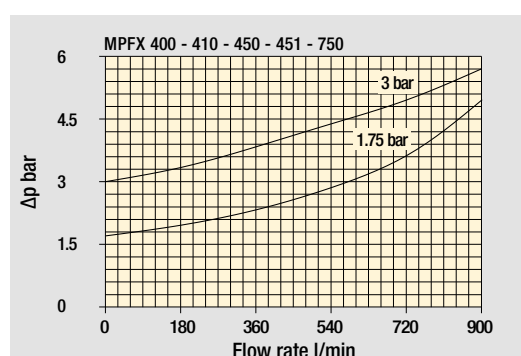
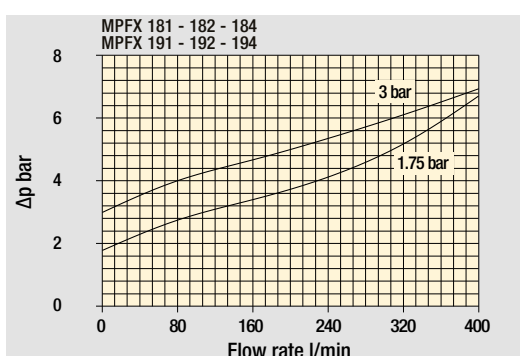
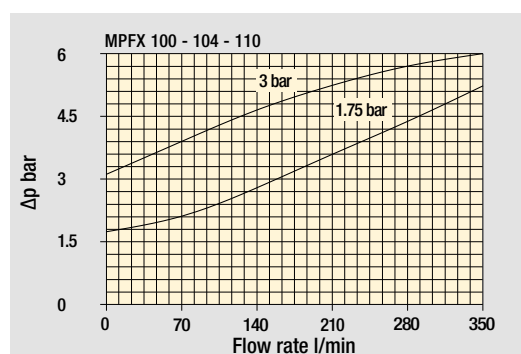
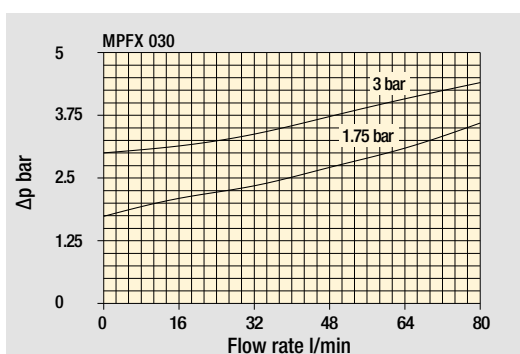
# MPFX GENERAL INFORMATION

## Pressure drop

### Filter housings $\Delta p$ pressure drop



### Bypass valve pressure drop

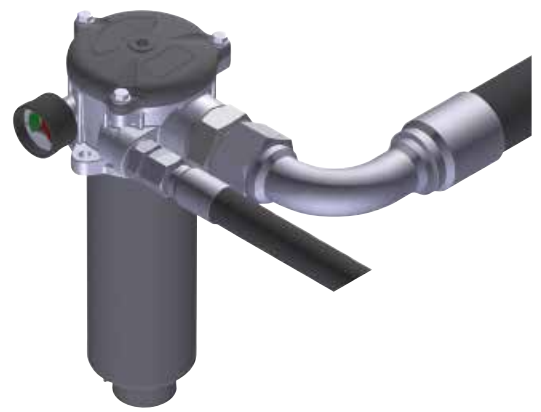


The curves are plotted using mineral oil with density of 0.86 kg/dm<sup>3</sup> in compliance with ISO 3968.  $\Delta p$  varies proportionally with density.

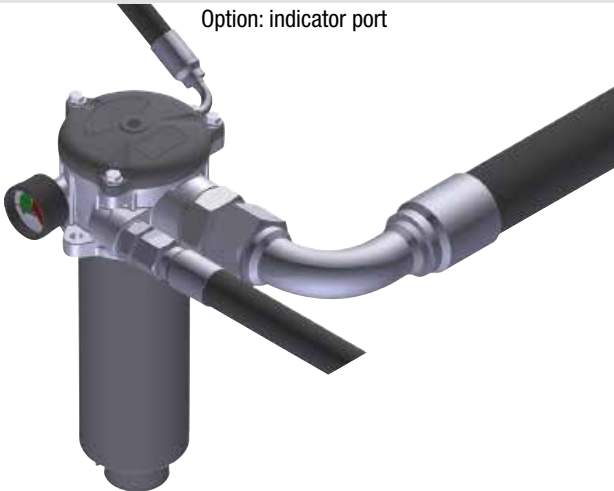
Standard - Single IN port



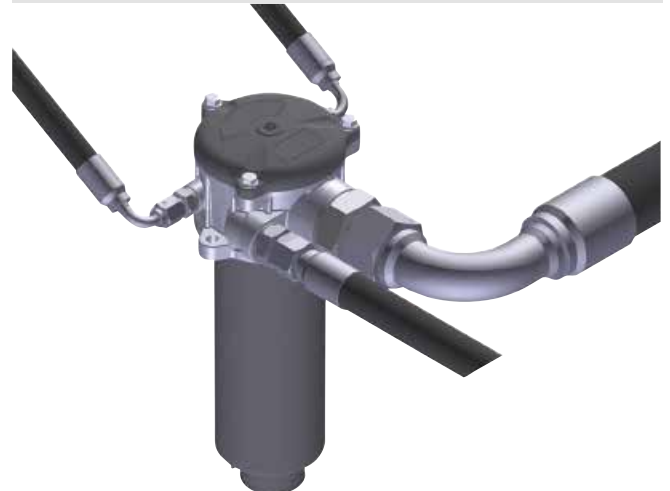
Double IN port  
Option: double indicator port



Double IN port - Drain port  
Option: indicator port



Double IN port - Double drain port



## Designation & Ordering code

### COMPLETE FILTER

|                                                                |            |                                                                                                             |            |                     |  |                                           |  |  |  |
|----------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------|------------|---------------------|--|-------------------------------------------|--|--|--|
| <b>Series and size</b>                                         |            | Configuration example 1: <b>MPFX030</b> <b>1</b> <b>V</b> <b>G1</b> <b>M25</b> <b>N</b> <b>B</b> <b>P01</b> |            |                     |  |                                           |  |  |  |
| <b>MPFX030</b> Filter featuring <b>MY CLEAN</b> Filter Element |            | Configuration example 2: <b>MPFX030</b> <b>1</b> <b>A</b> <b>G4</b> <b>A10</b> <b>H</b> <b>E</b> <b>P01</b> |            |                     |  |                                           |  |  |  |
| <b>Length</b>                                                  |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>1</b>                                                       |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>Seals and treatments</b>                                    |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>A</b> NBR                                                   |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>V</b> FPM                                                   |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>W</b> NBR head anodized                                     |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>Z</b> FPM head anodized                                     |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>Connections</b>                                             |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>G1</b> G 1/2"                                               |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>G4</b> 1/2" NPT                                             |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>G7</b> SAE 8 - 3/4" - 16 UNF                                |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>Filtration rating (filter media)</b>                        |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>A03</b> Inorganic microfiber 3 µm                           |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>A06</b> Inorganic microfiber 6 µm                           |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>A10</b> Inorganic microfiber 10 µm                          |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>A16</b> Inorganic microfiber 16 µm                          |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>A25</b> Inorganic microfiber 25 µm                          |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>M25</b> Wire mesh 25 µm                                     |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>M60</b> Wire mesh 60 µm                                     |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>M90</b> Wire mesh 90 µm                                     |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>P10</b> Resin impregnated paper 10 µm                       |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>P25</b> Resin impregnated paper 25 µm                       |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>Filter media</b>                                            |            |                                                                                                             |            |                     |  |                                           |  |  |  |
| <b>Element Δp</b>                                              | <b>Axx</b> | <b>Mxx</b>                                                                                                  | <b>Pxx</b> |                     |  |                                           |  |  |  |
| <b>N</b> 10 bar                                                | -          | •                                                                                                           | •          |                     |  |                                           |  |  |  |
| <b>H</b> 10 bar                                                | •          | -                                                                                                           | -          |                     |  |                                           |  |  |  |
|                                                                |            |                                                                                                             |            | <b>Bypass valve</b> |  | <b>Executions</b>                         |  |  |  |
|                                                                |            |                                                                                                             |            | <b>E</b> 3 bar      |  | <b>Base</b> <b>zerospark*</b>             |  |  |  |
|                                                                |            |                                                                                                             |            | <b>B</b> 1.75 bar   |  | <b>P01</b> <b>Z01*</b> MP Filtri standard |  |  |  |
|                                                                |            |                                                                                                             |            |                     |  | <b>Pxx</b> <b>Zxx*</b> Customized         |  |  |  |

\* Not for Mxx filter media

### FILTER ELEMENT

|                                                            |            |                                                                                                   |            |              |  |                                           |  |  |  |
|------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------|------------|--------------|--|-------------------------------------------|--|--|--|
| <b>Element series and size</b>                             |            | Configuration example 1: <b>MFEX030</b> <b>1</b> <b>M25</b> <b>N</b> <b>V</b> <b>P01</b>          |            |              |  |                                           |  |  |  |
| <b>MFEX030</b> Filter Element with <b>MY CLEAN</b> feature |            | Configuration example 2: <b>MFEX030</b> <b>1</b> <b>A10</b> <b>H</b> <b>B</b> <b>E</b> <b>P01</b> |            |              |  |                                           |  |  |  |
| <b>Element length</b>                                      |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>1</b>                                                   |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>Filtration rating (filter media)</b>                    |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>A03</b> Inorganic microfiber 3 µm                       |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>A06</b> Inorganic microfiber 6 µm                       |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>A10</b> Inorganic microfiber 10 µm                      |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>A16</b> Inorganic microfiber 16 µm                      |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>A25</b> Inorganic microfiber 25 µm                      |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>M25</b> Wire mesh 25 µm                                 |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>M60</b> Wire mesh 60 µm                                 |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>M90</b> Wire mesh 90 µm                                 |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>P10</b> Resin impregnated paper 10 µm                   |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>P25</b> Resin impregnated paper 25 µm                   |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>Filter media</b>                                        |            |                                                                                                   |            |              |  |                                           |  |  |  |
| <b>Element Δp</b>                                          | <b>Axx</b> | <b>Mxx</b>                                                                                        | <b>Pxx</b> |              |  |                                           |  |  |  |
| <b>N</b> 10 bar                                            | -          | •                                                                                                 | •          |              |  |                                           |  |  |  |
| <b>H</b> 10 bar                                            | •          | -                                                                                                 | -          |              |  |                                           |  |  |  |
|                                                            |            |                                                                                                   |            | <b>Seals</b> |  | <b>Bypass valve</b>                       |  |  |  |
|                                                            |            |                                                                                                   |            | <b>B</b> NBR |  | <b>E</b> 3 bar                            |  |  |  |
|                                                            |            |                                                                                                   |            | <b>V</b> FPM |  | <b>-</b> 1.75 bar                         |  |  |  |
|                                                            |            |                                                                                                   |            |              |  | <b>Executions</b>                         |  |  |  |
|                                                            |            |                                                                                                   |            |              |  | <b>Base</b> <b>zerospark*</b>             |  |  |  |
|                                                            |            |                                                                                                   |            |              |  | <b>P01</b> <b>Z01*</b> MP Filtri standard |  |  |  |
|                                                            |            |                                                                                                   |            |              |  | <b>Pxx</b> <b>Zxx*</b> Customized         |  |  |  |

\* Not for Mxx filter media

### CLOGGING INDICATORS

See page 720-721

|                                                           |
|-----------------------------------------------------------|
| <b>BVA</b> Axial pressure gauge                           |
| <b>BVR</b> Radial pressure gauge                          |
| <b>BVP</b> Visual pressure indicator with automatic reset |
| <b>BVQ</b> Visual pressure indicator with manual reset    |

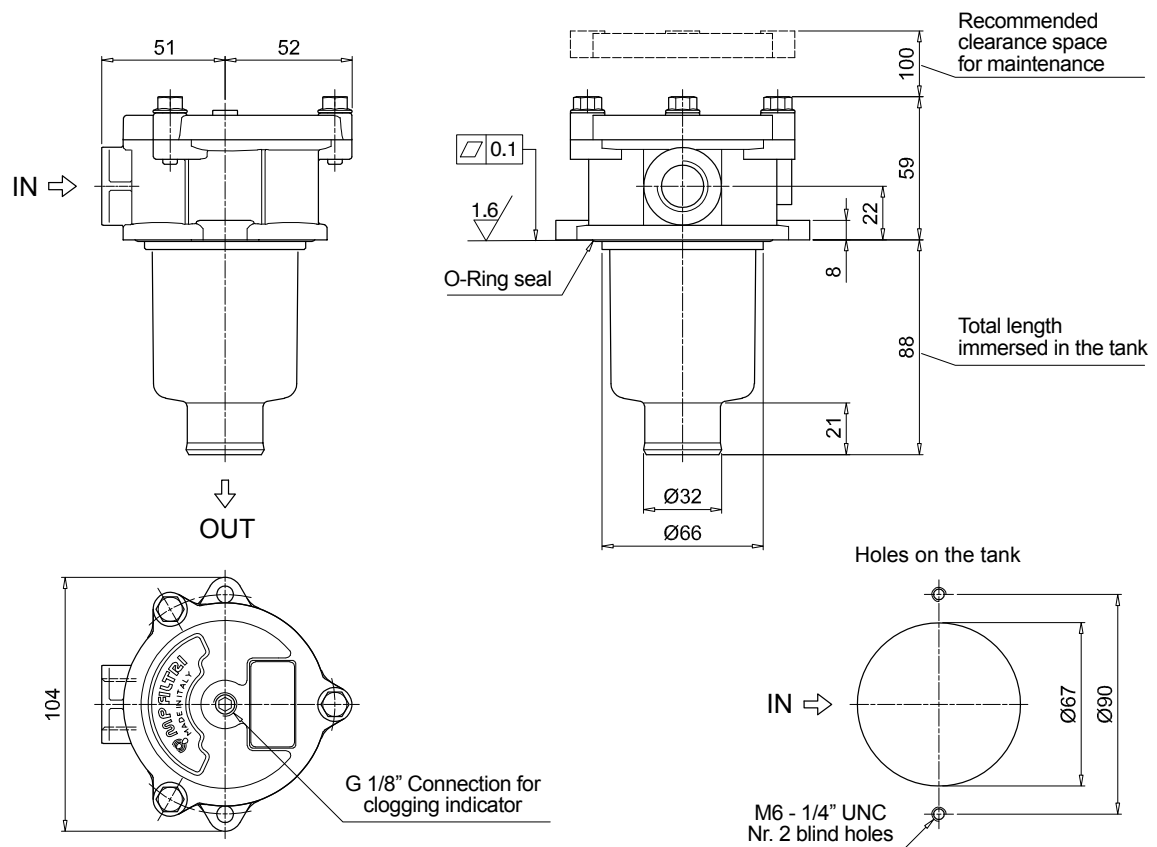
|                                                   |
|---------------------------------------------------|
| <b>BEA</b> Electrical pressure indicator          |
| <b>BEM</b> Electrical pressure indicator          |
| <b>BLA</b> Electrical / visual pressure indicator |

### ADDITIONAL FEATURES

See page 268

|                               |
|-------------------------------|
| <b>TE</b> Extension tube      |
| <b>T5</b> Filler plug M30x1.5 |

### MPFX030





# MPFX MPFX100 - MPFX104

## Designation & Ordering code

### COMPLETE FILTER

| Series and size                                                                                                                     |  | Configuration example 1: |                                   |          |                             |                                                                                            |   |          |          |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|-----------------------------------|----------|-----------------------------|--------------------------------------------------------------------------------------------|---|----------|----------|--|--|
| MPFX100   MPFX104 Filter featuring  Filter Element |  | Configuration example 2: |                                   |          |                             |                                                                                            |   |          |          |  |  |
|                                                                                                                                     |  | MPFX100                  | 2                                 | W        | G3                          | A06                                                                                        | H | B        | P01      |  |  |
|                                                                                                                                     |  | MPFX104                  | 4                                 | A        | G8                          | P10                                                                                        | N | E        | P01      |  |  |
|                                                                                                                                     |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| Length                                                                                                                              |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| 1   2   3   4                                                                                                                       |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| Seals and treatments                                                                                                                |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| A NBR                                                                                                                               |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| V FPM                                                                                                                               |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| W NBR head anodized                                                                                                                 |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| Z FPM head anodized                                                                                                                 |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
|                                                                                                                                     |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| Connections                                                                                                                         |  |                          | Size 100                          | Size 104 | Connections                 |                                                                                            |   | Size 100 | Size 104 |  |  |
| G1 G 1/2"                                                                                                                           |  |                          | •                                 | •        | G7 SAE 8 - 3/4" - 16 UNF    |                                                                                            |   | •        | •        |  |  |
| G2 G 3/4"                                                                                                                           |  |                          | •                                 | •        | G8 SAE 12 - 1 1/16" - 12 UN |                                                                                            |   | •        | •        |  |  |
| G3 G 1"                                                                                                                             |  |                          | •                                 | •        | G9 SAE 16 - 1 5/16" - 12 UN |                                                                                            |   | •        | •        |  |  |
| G4 1/2" NPT                                                                                                                         |  |                          | •                                 | •        |                             |                                                                                            |   |          |          |  |  |
| G5 3/4" NPT                                                                                                                         |  |                          | •                                 | •        |                             |                                                                                            |   |          |          |  |  |
| G6 1" NPT                                                                                                                           |  |                          | •                                 | •        |                             |                                                                                            |   |          |          |  |  |
|                                                                                                                                     |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| Filtration rating (filter media)                                                                                                    |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| A03 Inorganic microfiber 3 µm                                                                                                       |  |                          | M25 Wire mesh 25 µm               |          |                             |                                                                                            |   |          |          |  |  |
| A06 Inorganic microfiber 6 µm                                                                                                       |  |                          | M60 Wire mesh 60 µm               |          |                             |                                                                                            |   |          |          |  |  |
| A10 Inorganic microfiber 10 µm                                                                                                      |  |                          | M90 Wire mesh 90 µm               |          |                             |                                                                                            |   |          |          |  |  |
| A16 Inorganic microfiber 16 µm                                                                                                      |  |                          | P10 Resin impregnated paper 10 µm |          |                             |                                                                                            |   |          |          |  |  |
| A25 Inorganic microfiber 25 µm                                                                                                      |  |                          | P25 Resin impregnated paper 25 µm |          |                             |                                                                                            |   |          |          |  |  |
|                                                                                                                                     |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| Element Δp                                                                                                                          |  |                          | Filter media                      |          |                             | Executions                                                                                 |   |          |          |  |  |
|                                                                                                                                     |  |                          | Axx                               | Mxx      | Pxx                         | Base  |   |          |          |  |  |
| N 10 bar                                                                                                                            |  |                          | -                                 | •        | •                           | P01 Z01* MP Filtri standard                                                                |   |          |          |  |  |
| H 10 bar                                                                                                                            |  |                          | •                                 | -        | -                           | Pxx Zxx* Customized                                                                        |   |          |          |  |  |
|                                                                                                                                     |  |                          |                                   |          |                             | Bypass valve                                                                               |   |          |          |  |  |
|                                                                                                                                     |  |                          |                                   |          |                             | E 3 bar                                                                                    |   |          |          |  |  |
|                                                                                                                                     |  |                          |                                   |          |                             | B 1.75 bar                                                                                 |   |          |          |  |  |
|                                                                                                                                     |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |
| * Not for Mxx filter media                                                                                                          |  |                          |                                   |          |                             |                                                                                            |   |          |          |  |  |

\* Not for Mxx filter media

### FILTER ELEMENT

| Element series and size                     |        |                                   |     | Configuration example 1: MFX100 2 A06 H B P01   |       |  |              |  |            |  |                    |  |  |
|---------------------------------------------|--------|-----------------------------------|-----|-------------------------------------------------|-------|--|--------------|--|------------|--|--------------------|--|--|
| MFX100 Filter Element with MY CLEAN feature |        |                                   |     | Configuration example 2: MFX100 4 P10 N B E P01 |       |  |              |  |            |  |                    |  |  |
| Element length                              |        |                                   |     |                                                 |       |  |              |  |            |  |                    |  |  |
| 1                                           | 2      | 3                                 | 4   |                                                 |       |  |              |  |            |  |                    |  |  |
| Filtration rating (filter media)            |        |                                   |     |                                                 |       |  |              |  |            |  |                    |  |  |
| A03 Inorganic microfiber 3 µm               |        | M25 Wire mesh 25 µm               |     |                                                 |       |  |              |  |            |  |                    |  |  |
| A06 Inorganic microfiber 6 µm               |        | M60 Wire mesh 60 µm               |     |                                                 |       |  |              |  |            |  |                    |  |  |
| A10 Inorganic microfiber 10 µm              |        | M90 Wire mesh 90 µm               |     |                                                 |       |  |              |  |            |  |                    |  |  |
| A16 Inorganic microfiber 16 µm              |        | P10 Resin impregnated paper 10 µm |     |                                                 |       |  |              |  |            |  |                    |  |  |
| A25 Inorganic microfiber 25 µm              |        | P25 Resin impregnated paper 25 µm |     |                                                 |       |  |              |  |            |  |                    |  |  |
| Element Δp                                  |        | Filter media                      |     |                                                 |       |  |              |  |            |  |                    |  |  |
|                                             |        | Axx                               | Mxx | Pxx                                             |       |  |              |  |            |  |                    |  |  |
| N                                           | 10 bar | -                                 | •   | •                                               |       |  |              |  |            |  |                    |  |  |
| H                                           | 10 bar | •                                 | -   | -                                               |       |  |              |  |            |  |                    |  |  |
|                                             |        |                                   |     |                                                 | Seals |  | Bypass valve |  | Executions |  |                    |  |  |
|                                             |        |                                   |     |                                                 | B NBR |  | E 3 bar      |  | Base       |  | zerospark          |  |  |
|                                             |        |                                   |     |                                                 | V FPM |  | - 1.75 bar   |  | P01        |  | Z01 *              |  |  |
|                                             |        |                                   |     |                                                 |       |  |              |  | Pxx        |  | Zxx *              |  |  |
|                                             |        |                                   |     |                                                 |       |  |              |  |            |  | MP Filtri standard |  |  |
|                                             |        |                                   |     |                                                 |       |  |              |  |            |  | Customized         |  |  |
| * Not for Mxx filter media                  |        |                                   |     |                                                 |       |  |              |  |            |  |                    |  |  |

\* Not for Mxx filter media

### CLOGGING INDICATORS

See page 720-721

|     |                                                |
|-----|------------------------------------------------|
| BVA | Axial pressure gauge                           |
| BVR | Radial pressure gauge                          |
| BVP | Visual pressure indicator with automatic reset |
| BVQ | Visual pressure indicator with manual reset    |

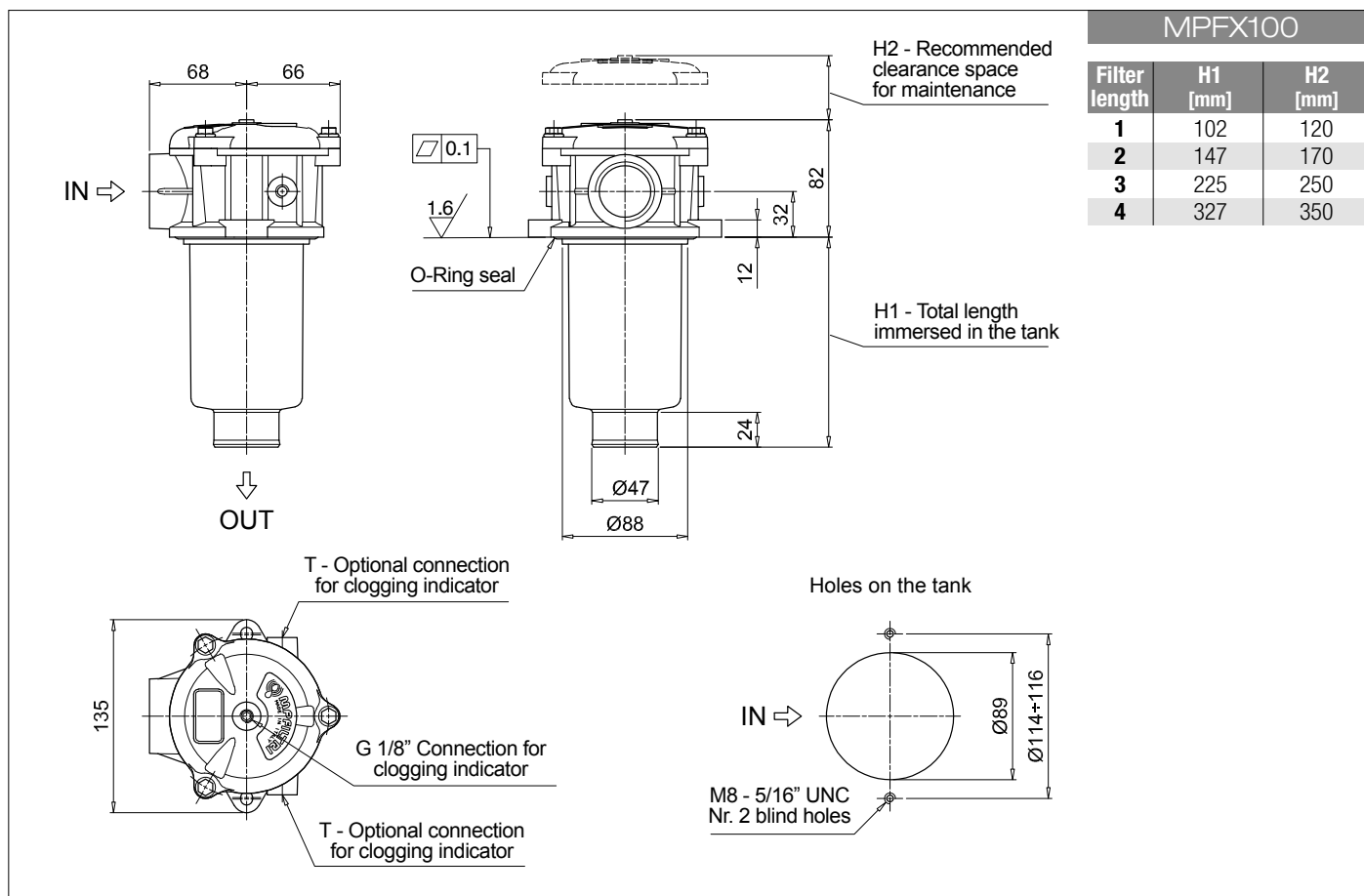
|     |                                        |
|-----|----------------------------------------|
| BEA | Electrical pressure indicator          |
| BEM | Electrical pressure indicator          |
| BLA | Electrical / visual pressure indicator |

### ADDITIONAL FEATURES

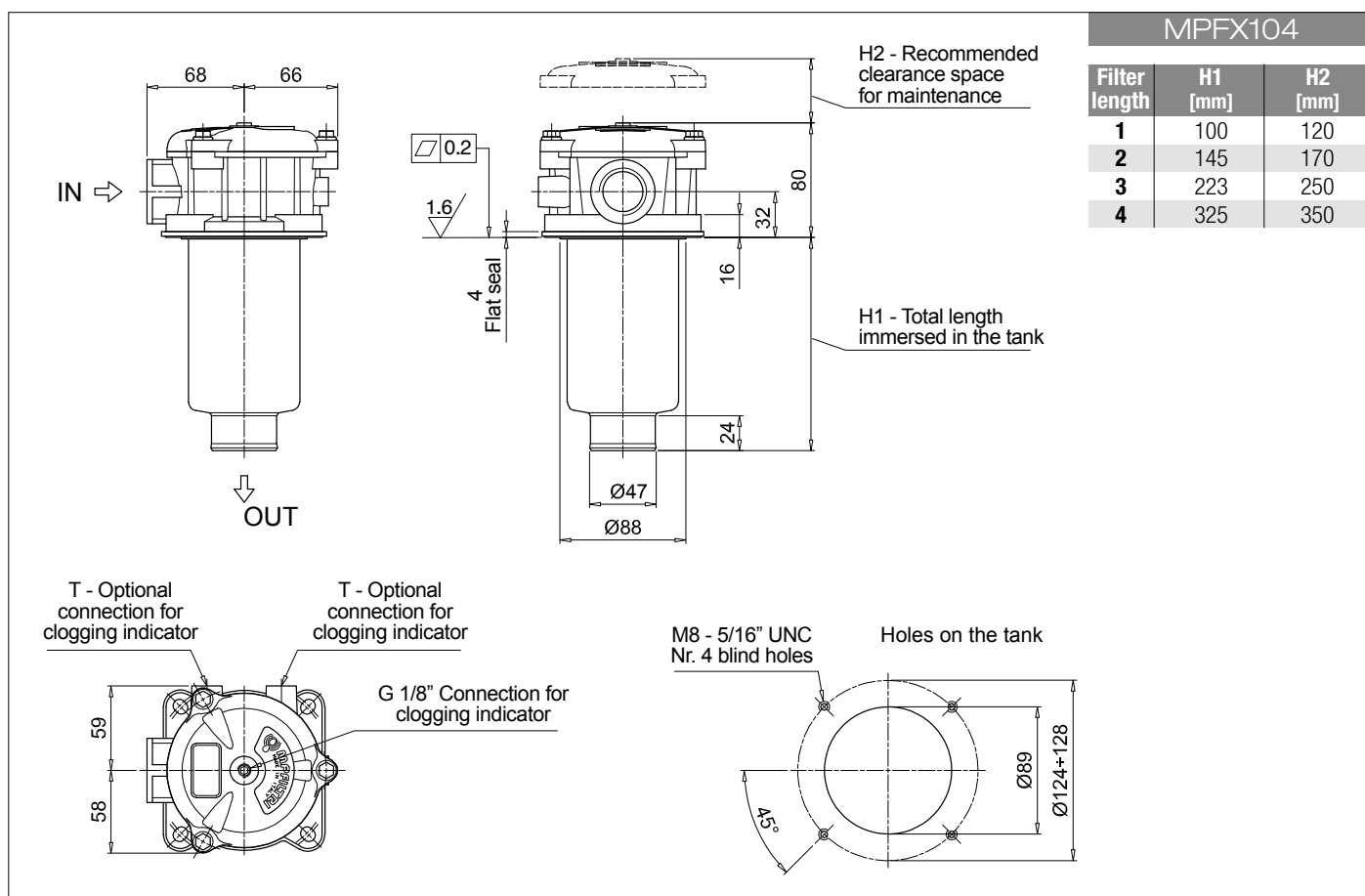
See page 268

|     |                                    |
|-----|------------------------------------|
| TE  | Extension tube                     |
| DFS | Diffuser with fast lock connection |

|     |                     |
|-----|---------------------|
| T5  | Filler plug M30x1.5 |
| DPT | Dipstick            |



| Filter length | H1 [mm] | H2 [mm] |
|---------------|---------|---------|
| 1             | 102     | 120     |
| 2             | 147     | 170     |
| 3             | 225     | 250     |
| 4             | 327     | 350     |



| Filter length | H1 [mm] | H2 [mm] |
|---------------|---------|---------|
| 1             | 100     | 120     |
| 2             | 145     | 170     |
| 3             | 223     | 250     |
| 4             | 325     | 350     |

## Designation &amp; Ordering code

## COMPLETE FILTER

|                                                                                                                           |  |                     |                          |                                   |         |                        |   |                       |   |     |   |   |     |
|---------------------------------------------------------------------------------------------------------------------------|--|---------------------|--------------------------|-----------------------------------|---------|------------------------|---|-----------------------|---|-----|---|---|-----|
| Series and size                                                                                                           |  |                     | Configuration example 1: |                                   | MPFX110 | 3                      | Z | G4                    | 2 | M25 | H | B | P01 |
| MPFX110 Filter featuring  Filter Element |  |                     | Configuration example 2: |                                   | MPFX110 | 4                      | A | G8                    | 1 | P10 | N | E | P01 |
| Length                                                                                                                    |  |                     |                          |                                   |         |                        |   |                       |   |     |   |   |     |
| 1   2   3   4                                                                                                             |  |                     |                          |                                   |         |                        |   |                       |   |     |   |   |     |
| Seals and treatments                                                                                                      |  |                     |                          |                                   |         |                        |   |                       |   |     |   |   |     |
| A NBR                                                                                                                     |  | W NBR head anodized |                          |                                   |         |                        |   |                       |   |     |   |   |     |
| V FPM                                                                                                                     |  | Z FPM head anodized |                          |                                   |         |                        |   |                       |   |     |   |   |     |
| Main Connections                                                                                                          |  | Aux size 1          | Aux size 2               | Main Connections                  |         | Aux size 1             |   | Aux size 2            |   |     |   |   |     |
| G1 G 1/2"                                                                                                                 |  | G 3/8"              | G 1/2"                   | G7 SAE 8 - 3/4" - 16 UNF          |         | SAE 6 - 9/16" - 18 UNF |   | SAE 8 - 3/4" - 16 UNF |   |     |   |   |     |
| G2 G 3/4"                                                                                                                 |  |                     |                          | G8 SAE 12 - 1 1/16" - 12 UN       |         |                        |   |                       |   |     |   |   |     |
| G3 G 1"                                                                                                                   |  |                     |                          | G9 SAE 16 - 1 5/16" - 12 UN       |         |                        |   |                       |   |     |   |   |     |
| G4 1/2" NPT                                                                                                               |  | 3/8" NPT            | 1/2" NPT                 | G10 G 1 1/4"                      |         | G 3/8"                 |   | G 1/2"                |   |     |   |   |     |
| G5 3/4" NPT                                                                                                               |  |                     |                          | G11 1 1/4" NPT                    |         | 3/8" NPT               |   | 1/2" NPT              |   |     |   |   |     |
| G6 1" NPT                                                                                                                 |  |                     |                          | G12 SAE 20 - 1 5/8" - 12 UN       |         | SAE 6 - 9/16" - 18 UNF |   | SAE 8 - 3/4" - 16 UNF |   |     |   |   |     |
| Aux connection - see previous table                                                                                       |  |                     |                          |                                   |         |                        |   |                       |   |     |   |   |     |
| 1 Aux size 1                                                                                                              |  |                     |                          | 2 Aux size 2                      |         |                        |   |                       |   |     |   |   |     |
| Filtration rating (filter media)                                                                                          |  |                     |                          |                                   |         |                        |   |                       |   |     |   |   |     |
| A03 Inorganic microfiber 3 µm                                                                                             |  |                     |                          | M25 Wire mesh 25 µm               |         |                        |   |                       |   |     |   |   |     |
| A06 Inorganic microfiber 6 µm                                                                                             |  |                     |                          | M60 Wire mesh 60 µm               |         |                        |   |                       |   |     |   |   |     |
| A10 Inorganic microfiber 10 µm                                                                                            |  |                     |                          | M90 Wire mesh 90 µm               |         |                        |   |                       |   |     |   |   |     |
| A16 Inorganic microfiber 16 µm                                                                                            |  |                     |                          | P10 Resin impregnated paper 10 µm |         |                        |   |                       |   |     |   |   |     |
| A25 Inorganic microfiber 25 µm                                                                                            |  |                     |                          | P25 Resin impregnated paper 25 µm |         |                        |   |                       |   |     |   |   |     |

| Element $\Delta p$ |        | Filter media |     |     |
|--------------------|--------|--------------|-----|-----|
|                    |        | Axx          | Mxx | Pxx |
| N                  | 10 bar | -            | ●   | ●   |
| H                  | 10 bar | ●            | -   | -   |

|                   |            | Executions   |                    |
|-------------------|------------|--------------|--------------------|
| Bypass valve      | Base       | zerospark®   |                    |
| <b>E</b> 3 bar    | <b>P01</b> | <b>Z01 *</b> | MP Filtri standard |
| <b>B</b> 1.75 bar | <b>Pxx</b> | <b>Zxx *</b> | Customized         |

\* Not for Mxx filter media

## FILTER ELEMENT

**Element series and size**

|        |                                             |
|--------|---------------------------------------------|
| MFX100 | Filter Element with <b>MY CLEAN</b> feature |
|--------|---------------------------------------------|

**Element length**

|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

**Filtration rating (filter media)**

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| <b>A03</b> Inorganic microfiber 3 µm  | <b>M25</b> Wire mesh 25 µm               |
| <b>A06</b> Inorganic microfiber 6 µm  | <b>M60</b> Wire mesh 60 µm               |
| <b>A10</b> Inorganic microfiber 10 µm | <b>M90</b> Wire mesh 90 µm               |
| <b>A16</b> Inorganic microfiber 16 µm | <b>P10</b> Resin impregnated paper 10 µm |
| <b>A25</b> Inorganic microfiber 25 µm | <b>P25</b> Resin impregnated paper 25 µm |

**Filter media**

| Element Δp      | Axx | Mxx | Pxx |
|-----------------|-----|-----|-----|
| <b>N</b> 10 bar | -   | •   | •   |
| <b>H</b> 10 bar | •   | -   | -   |

Configuration example 1: **MFX100** **3** **M25** **H** **V** **P01**

Configuration example 2: **MFX100** **4** **P10** **N** **B** **E** **P01**

\* Not for Mxx filter media

## CLOGGING INDICATORS

See page 720-721

|            |                                                |
|------------|------------------------------------------------|
| <b>BVA</b> | Axial pressure gauge                           |
| <b>BVR</b> | Radial pressure gauge                          |
| <b>BVP</b> | Visual pressure indicator with automatic reset |
| <b>BVQ</b> | Visual pressure indicator with manual reset    |

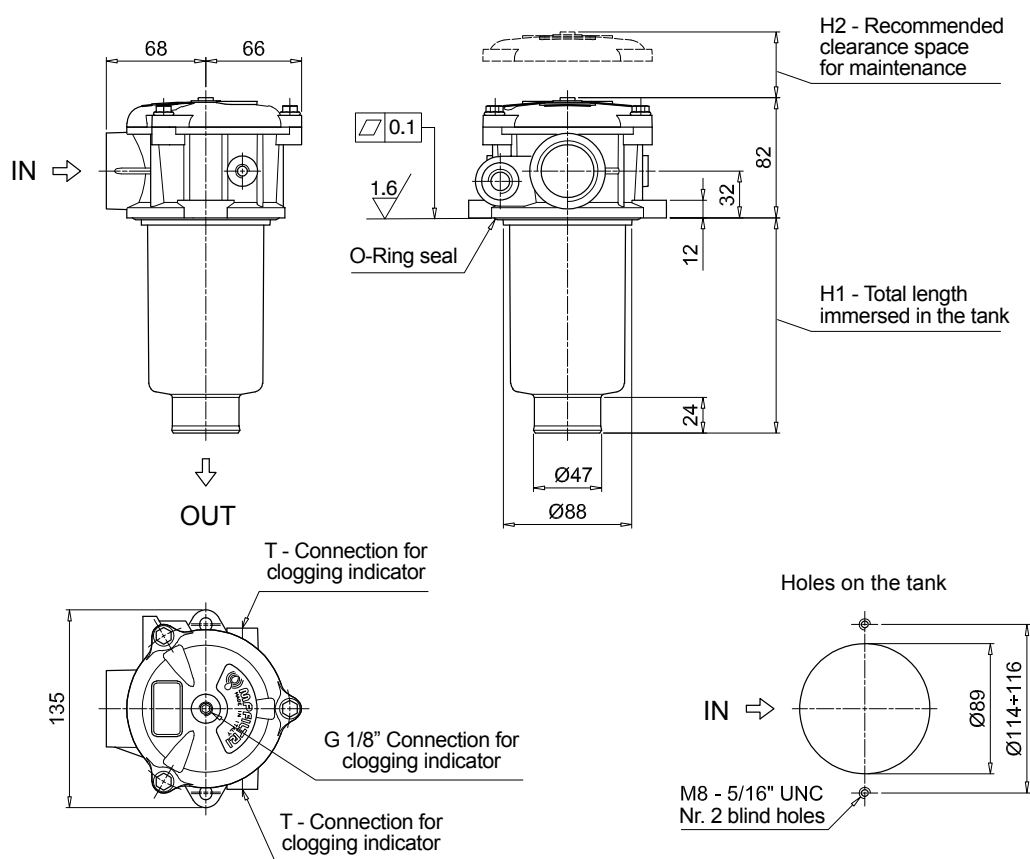
|            |                                        |
|------------|----------------------------------------|
| <b>BEA</b> | Electrical pressure indicator          |
| <b>BEM</b> | Electrical pressure indicator          |
| <b>BLA</b> | Electrical / visual pressure indicator |

## ADDITIONAL FEATURES

See page 268

|            |                                    |
|------------|------------------------------------|
| <b>TE</b>  | Extension tube                     |
| <b>DFS</b> | Diffuser with fast lock connection |

|            |                     |
|------------|---------------------|
| <b>T5</b>  | Filler plug M30x1.5 |
| <b>DPT</b> | Dipstick            |



### MPFX110

| Filter length | H1 [mm] | H2 [mm] |
|---------------|---------|---------|
| <b>1</b>      | 102     | 120     |
| <b>2</b>      | 147     | 170     |
| <b>3</b>      | 225     | 250     |
| <b>4</b>      | 327     | 350     |

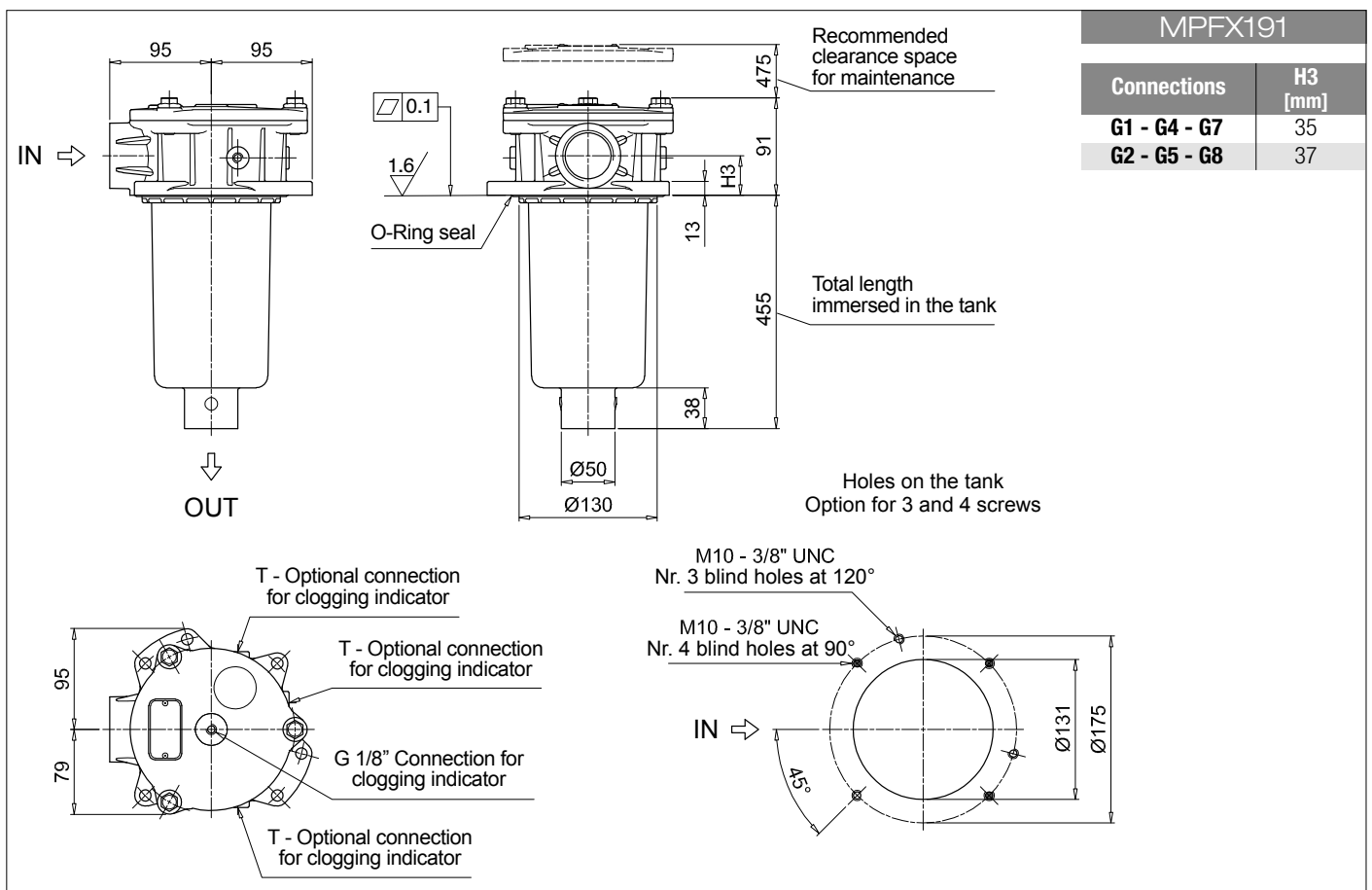
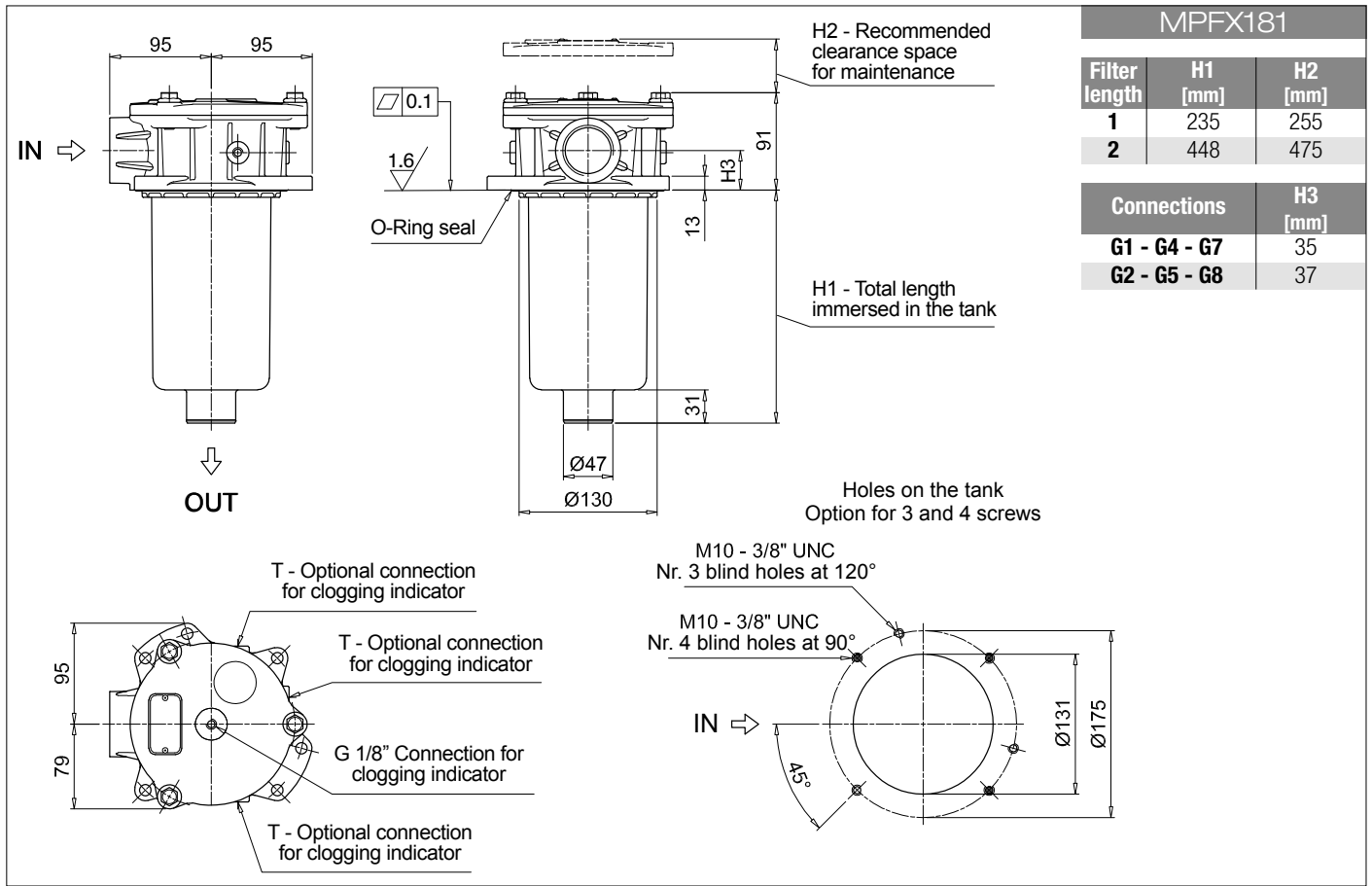
| Connections              | T        |
|--------------------------|----------|
| <b>G1-G2-G3</b>          | G 1/8"   |
| <b>G4-G5-G6-G7-G8-G9</b> | 1/8" NPT |
| <b>G10</b>               | G 1/8"   |
| <b>G11-G12</b>           | 1/8" NPT |

# MPFX MPFX181 - MPFX191

## Designation & Ordering code

### COMPLETE FILTER

|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|-----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|--------------------------|-----|---------|---|---|----|-----|---|---|-----|
| Series and size                                                                                                                   |  |                                        | Configuration example 1: |     | MPFX181 | 1 | A | G1 | A25 | H | E | P01 |
| MPFX181 MPFX191 Filter featuring  Filter Element |  |                                        | Configuration example 2: |     | MPFX191 | 2 | V | G2 | P10 | N | B | P01 |
| Length                                                                                                                            |  | Size 181                               | Size 191                 |     |         |   |   |    |     |   |   |     |
| 1                                                                                                                                 |  | •                                      | -                        |     |         |   |   |    |     |   |   |     |
| 2                                                                                                                                 |  | •                                      | •                        |     |         |   |   |    |     |   |   |     |
| Seals and treatments                                                                                                              |  |                                        |                          |     |         |   |   |    |     |   |   |     |
| A NBR                                                                                                                             |  | B NBR flat seal on head                |                          |     |         |   |   |    |     |   |   |     |
| V FPM                                                                                                                             |  | D FPM flat seal on head                |                          |     |         |   |   |    |     |   |   |     |
| W NBR head anodized                                                                                                               |  | L NBR head anodized, flat seal on head |                          |     |         |   |   |    |     |   |   |     |
| Z FPM head anodized                                                                                                               |  | M FPM head anodized, flat seal on head |                          |     |         |   |   |    |     |   |   |     |
| Connections                                                                                                                       |  |                                        |                          |     |         |   |   |    |     |   |   |     |
| G1 G 1 1/4"                                                                                                                       |  | G5 1 1/2" NPT                          |                          |     |         |   |   |    |     |   |   |     |
| G2 G 1 1/2"                                                                                                                       |  | G7 SAE 20 - 1 5/8" - 12 UN             |                          |     |         |   |   |    |     |   |   |     |
| G4 1 1/4" NPT                                                                                                                     |  | G8 SAE 24 - 1 7/8" - 12 UN             |                          |     |         |   |   |    |     |   |   |     |
| Filtration rating (filter media)                                                                                                  |  |                                        |                          |     |         |   |   |    |     |   |   |     |
| A03 Inorganic microfiber 3 µm                                                                                                     |  | M25 Wire mesh 25 µm                    |                          |     |         |   |   |    |     |   |   |     |
| A06 Inorganic microfiber 6 µm                                                                                                     |  | M60 Wire mesh 60 µm                    |                          |     |         |   |   |    |     |   |   |     |
| A10 Inorganic microfiber 10 µm                                                                                                    |  | M90 Wire mesh 90 µm                    |                          |     |         |   |   |    |     |   |   |     |
| A16 Inorganic microfiber 16 µm                                                                                                    |  | P10 Resin impregnated paper 10 µm      |                          |     |         |   |   |    |     |   |   |     |
| A25 Inorganic microfiber 25 µm                                                                                                    |  | P25 Resin impregnated paper 25 µm      |                          |     |         |   |   |    |     |   |   |     |
| Element Δp                                                                                                                        |  | Filter media                           |                          |     |         |   |   |    |     |   |   |     |
| N 10 bar                                                                                                                          |  | Axx                                    | Mxx                      | Pxx |         |   |   |    |     |   |   |     |
| H 10 bar                                                                                                                          |  | •                                      | -                        | -   |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |
|                                                                                                                                   |  |                                        |                          |     |         |   |   |    |     |   |   |     |



# MPFX MPFX182 - MPFX192

## Designation & Ordering code

### COMPLETE FILTER

|                                                        |  |                                        |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
|--------------------------------------------------------|--|----------------------------------------|-------------------------------------------------|--------------------------|--------------|--|------|---------------------------------------------------------|--------------------|--|--|--|
| Series and size                                        |  |                                        | Configuration example 1: MPFX1821AVG11A25HEP01  |                          |              |  |      |                                                         |                    |  |  |  |
| MPFX182MPFX192 Filter featuring MYCLEAN Filter Element |  |                                        | Configuration example 2: MPFX1922VPG42P10NB P01 |                          |              |  |      |                                                         |                    |  |  |  |
| Length                                                 |  | Size 182                               | Size 192                                        |                          |              |  |      |                                                         |                    |  |  |  |
| 1                                                      |  | •                                      | -                                               |                          |              |  |      |                                                         |                    |  |  |  |
| 2                                                      |  | •                                      | •                                               |                          |              |  |      |                                                         |                    |  |  |  |
| Seals and treatments                                   |  |                                        |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| A NBR                                                  |  | B NBR flat seal on head                |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| V FPM                                                  |  | D FPM flat seal on head                |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| W NBR head anodized                                    |  | L NBR head anodized, flat seal on head |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| Z FPM head anodized                                    |  | M FPM head anodized, flat seal on head |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| Main Connections                                       |  | Aux size 1                             |                                                 | Aux size 2               |              |  |      |                                                         |                    |  |  |  |
| G1 G 1 1/4"                                            |  | G 1/2"                                 |                                                 | G 3/4"                   |              |  |      |                                                         |                    |  |  |  |
| G4 1 1/4" NPT                                          |  | 1/2" NPT                               |                                                 | 3/4" NPT                 |              |  |      |                                                         |                    |  |  |  |
| G7 SAE 20 - 1 5/8" - 12 UN                             |  | SAE 8 - 3/16" - 16 UNF                 |                                                 | SAE 12 - 1 1/16" - 12 UN |              |  |      |                                                         |                    |  |  |  |
| Aux connection - see previous table                    |  |                                        |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| 1 Aux size 1                                           |  | 2 Aux size 2                           |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| Filtration rating (filter media)                       |  |                                        |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| A03 Inorganic microfiber 3 µm                          |  | M25 Wire mesh 25 µm                    |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| A06 Inorganic microfiber 6 µm                          |  | M60 Wire mesh 60 µm                    |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| A10 Inorganic microfiber 10 µm                         |  | M90 Wire mesh 90 µm                    |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| A16 Inorganic microfiber 16 µm                         |  | P10 Resin impregnated paper 10 µm      |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| A25 Inorganic microfiber 25 µm                         |  | P25 Resin impregnated paper 25 µm      |                                                 |                          |              |  |      |                                                         |                    |  |  |  |
| Element Δp                                             |  | Filter media                           |                                                 |                          | Executions   |  |      |                                                         |                    |  |  |  |
| N 10 bar                                               |  | Axx                                    | Mxx                                             | Pxx                      | Bypass valve |  | Base | zero <span style="color:blue">spark</span> <sup>2</sup> |                    |  |  |  |
| H 10 bar                                               |  | -                                      | •                                               | •                        | E 3 bar      |  | P01  | Z01 *                                                   | MP Filtri standard |  |  |  |
|                                                        |  | •                                      | -                                               | -                        | B 1.75 bar   |  | Pxx  | Zxx *                                                   | Customized         |  |  |  |
| * Not for Mxx filter media                             |  |                                        |                                                 |                          |              |  |      |                                                         |                    |  |  |  |

### FILTER ELEMENT

|                                             |  |                                   |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
|---------------------------------------------|--|-----------------------------------|-----|---------------------------------|-------|--|--------------|--|------------|---|----------------------------------------------|---|--------------------|----------------------------|-----|
| Element series and size                     |  |                                   |     | Configuration example 1: MFX180 |       |  |              |  |            | 1 | A25                                          | H | B                  | E                          | P01 |
| MFX180 Filter Element with MY CLEAN feature |  |                                   |     | Configuration example 2: MFX180 |       |  |              |  |            | 2 | P10                                          | N | V                  |                            | P01 |
| Element length                              |  |                                   |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
| 1   2                                       |  |                                   |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
| Filtration rating (filter media)            |  |                                   |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
| A03 Inorganic microfiber 3 µm               |  | M25 Wire mesh 25 µm               |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
| A06 Inorganic microfiber 6 µm               |  | M60 Wire mesh 60 µm               |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
| A10 Inorganic microfiber 10 µm              |  | M90 Wire mesh 90 µm               |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
| A16 Inorganic microfiber 16 µm              |  | P10 Resin impregnated paper 10 µm |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
| A25 Inorganic microfiber 25 µm              |  | P25 Resin impregnated paper 25 µm |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
| Element Δp                                  |  | Filter media                      |     |                                 |       |  |              |  |            |   |                                              |   |                    |                            |     |
| N 10 bar                                    |  | Axx                               | Mxx | Pxx                             |       |  |              |  |            |   |                                              |   |                    |                            |     |
| H 10 bar                                    |  | •                                 | -   | -                               |       |  |              |  |            |   |                                              |   |                    |                            |     |
|                                             |  |                                   |     |                                 | Seals |  | Bypass valve |  | Executions |   |                                              |   |                    |                            |     |
|                                             |  |                                   |     |                                 | B NBR |  | E 3 bar      |  | Base       |   | zero <span style="color:blue">spark</span> + |   |                    |                            |     |
|                                             |  |                                   |     |                                 | V FPM |  | - 1.75 bar   |  | P01        |   | Z01 *                                        |   | MP Filtri standard |                            |     |
|                                             |  |                                   |     |                                 |       |  |              |  | Pxx        |   | Zxx *                                        |   | Customized         |                            |     |
|                                             |  |                                   |     |                                 |       |  |              |  |            |   |                                              |   |                    | * Not for Mxx filter media |     |

### CLOGGING INDICATORS

See page 720-721

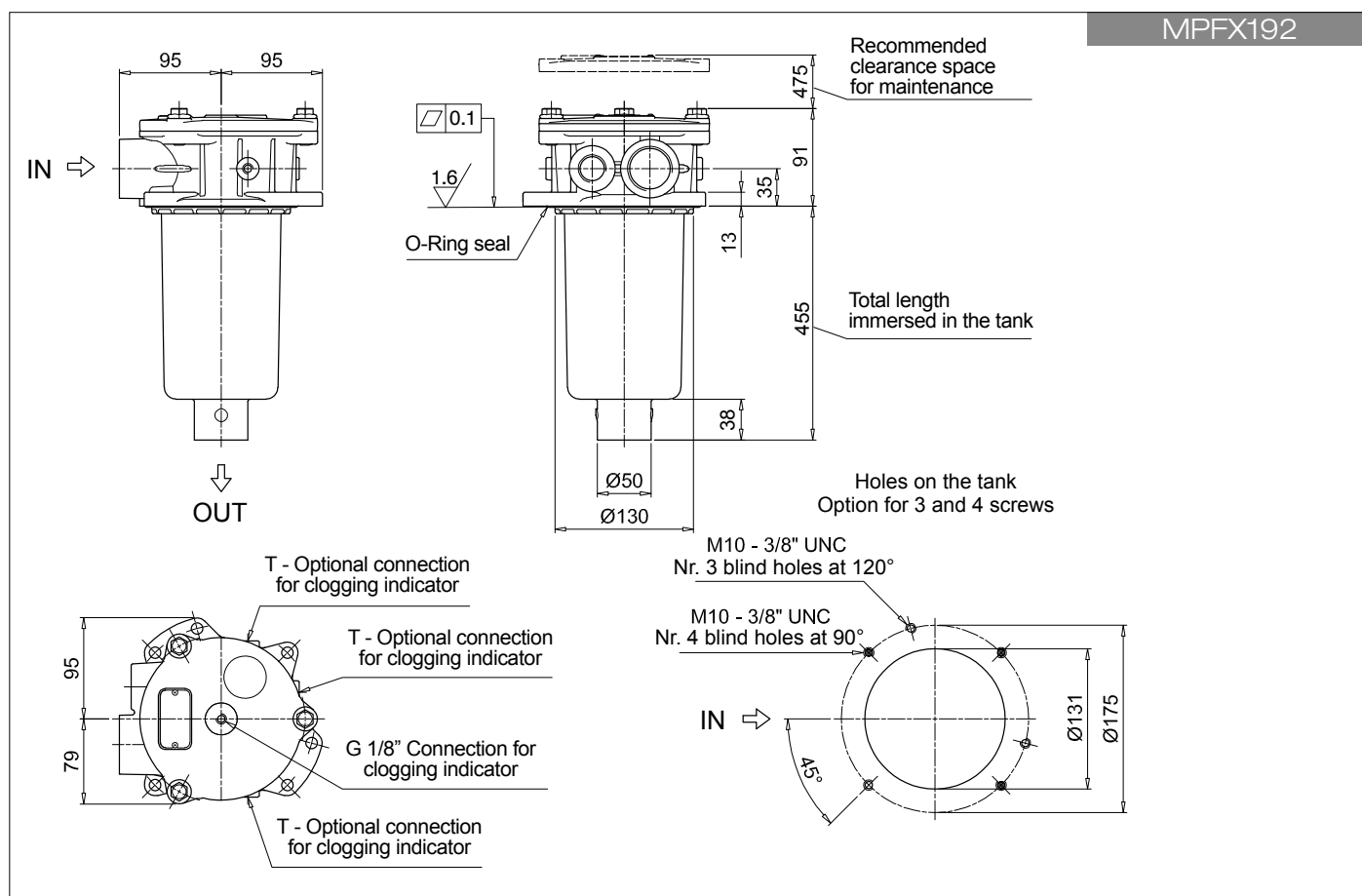
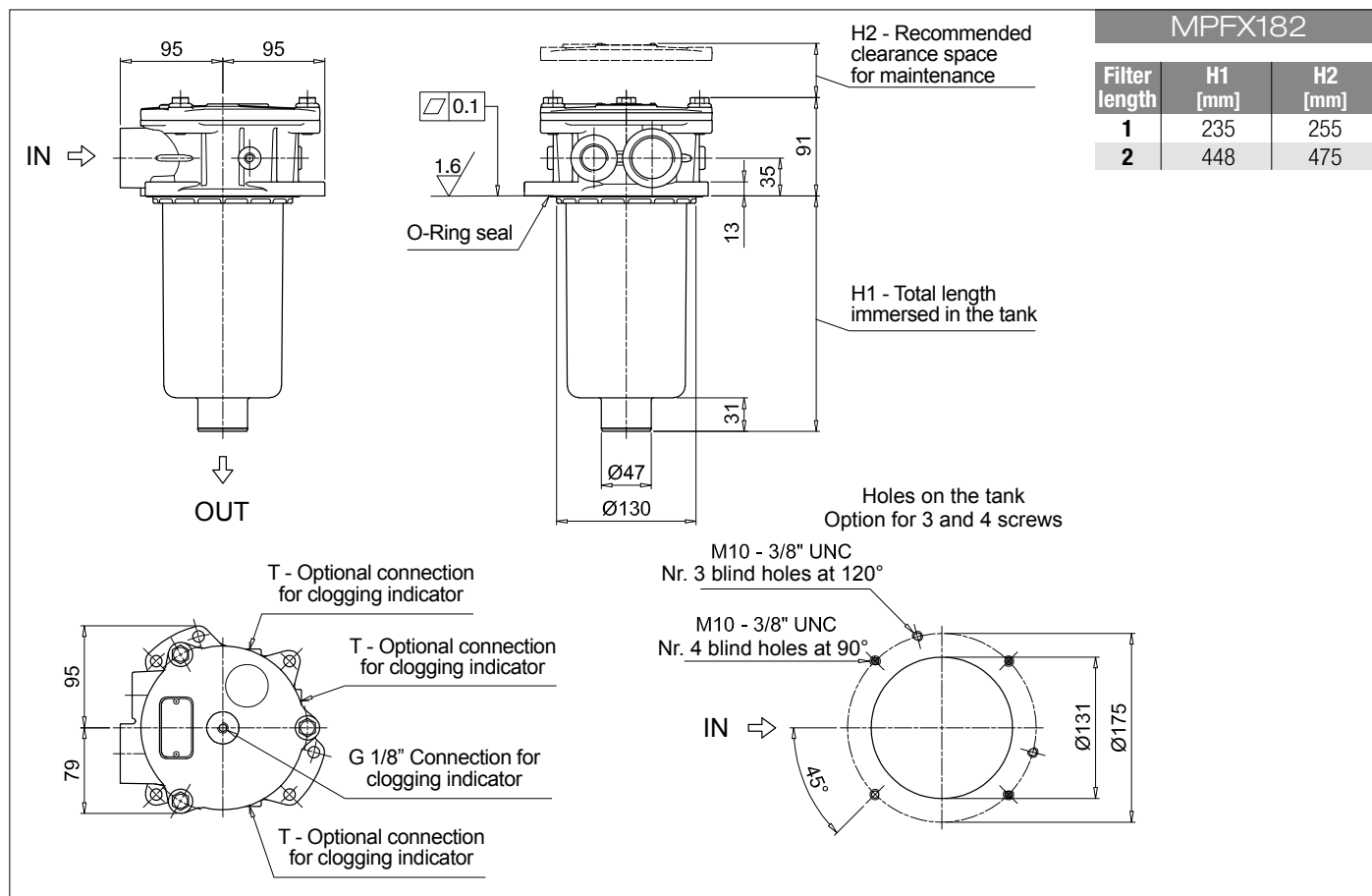
|                                                           |  |
|-----------------------------------------------------------|--|
| <b>BVA</b> Axial pressure gauge                           |  |
| <b>BVR</b> Radial pressure gauge                          |  |
| <b>BVP</b> Visual pressure indicator with automatic reset |  |
| <b>BVQ</b> Visual pressure indicator with manual reset    |  |

|                                                   |  |
|---------------------------------------------------|--|
| <b>BEA</b> Electrical pressure indicator          |  |
| <b>BEM</b> Electrical pressure indicator          |  |
| <b>BLA</b> Electrical / visual pressure indicator |  |

### ADDITIONAL FEATURES

See page 268

|                               |  |
|-------------------------------|--|
| <b>TE</b> Extension tube      |  |
| <b>T5</b> Filler plug M30x1.5 |  |





# MPFX MPFX184 - MPFX194

## Designation & Ordering code

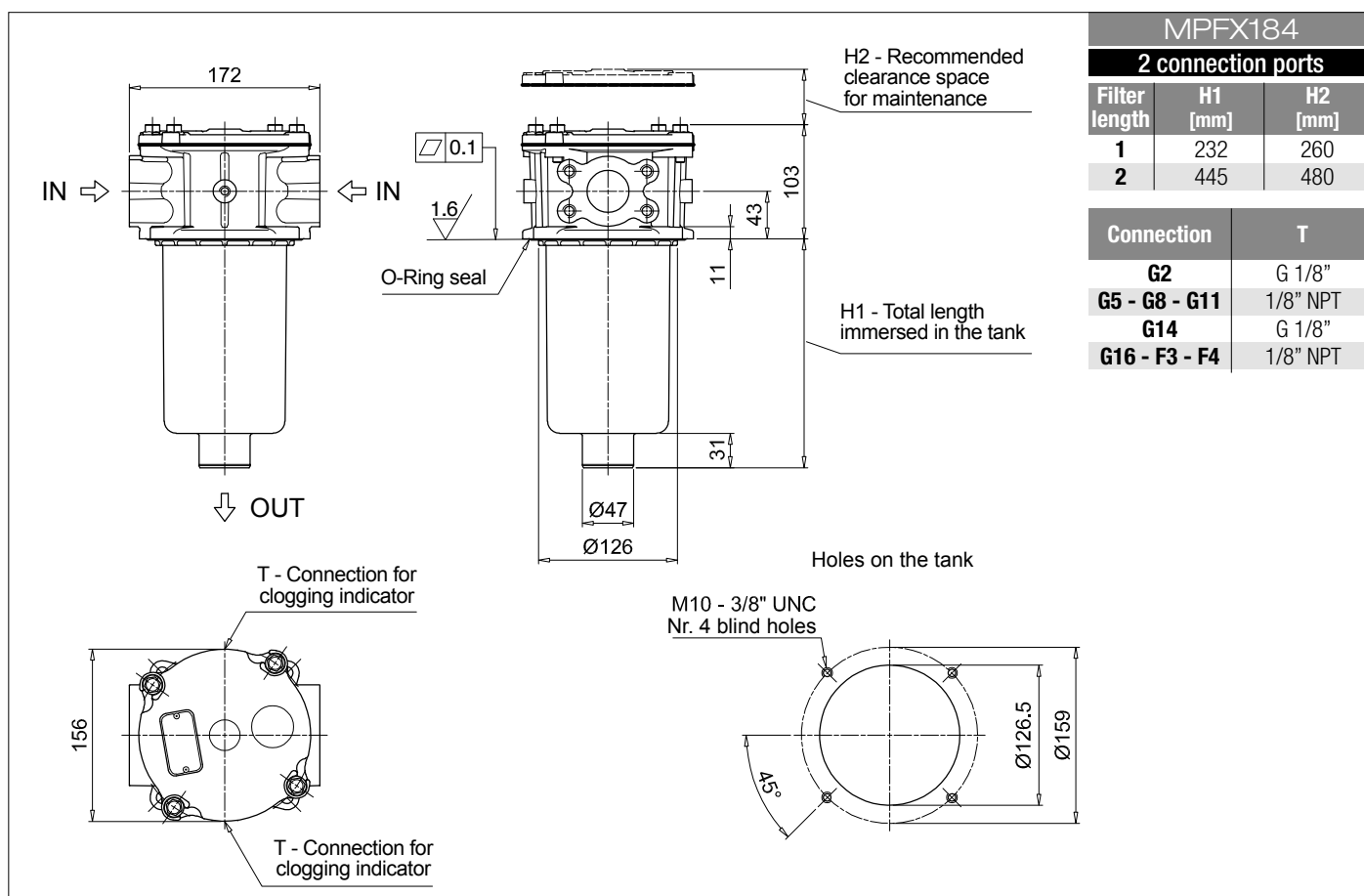
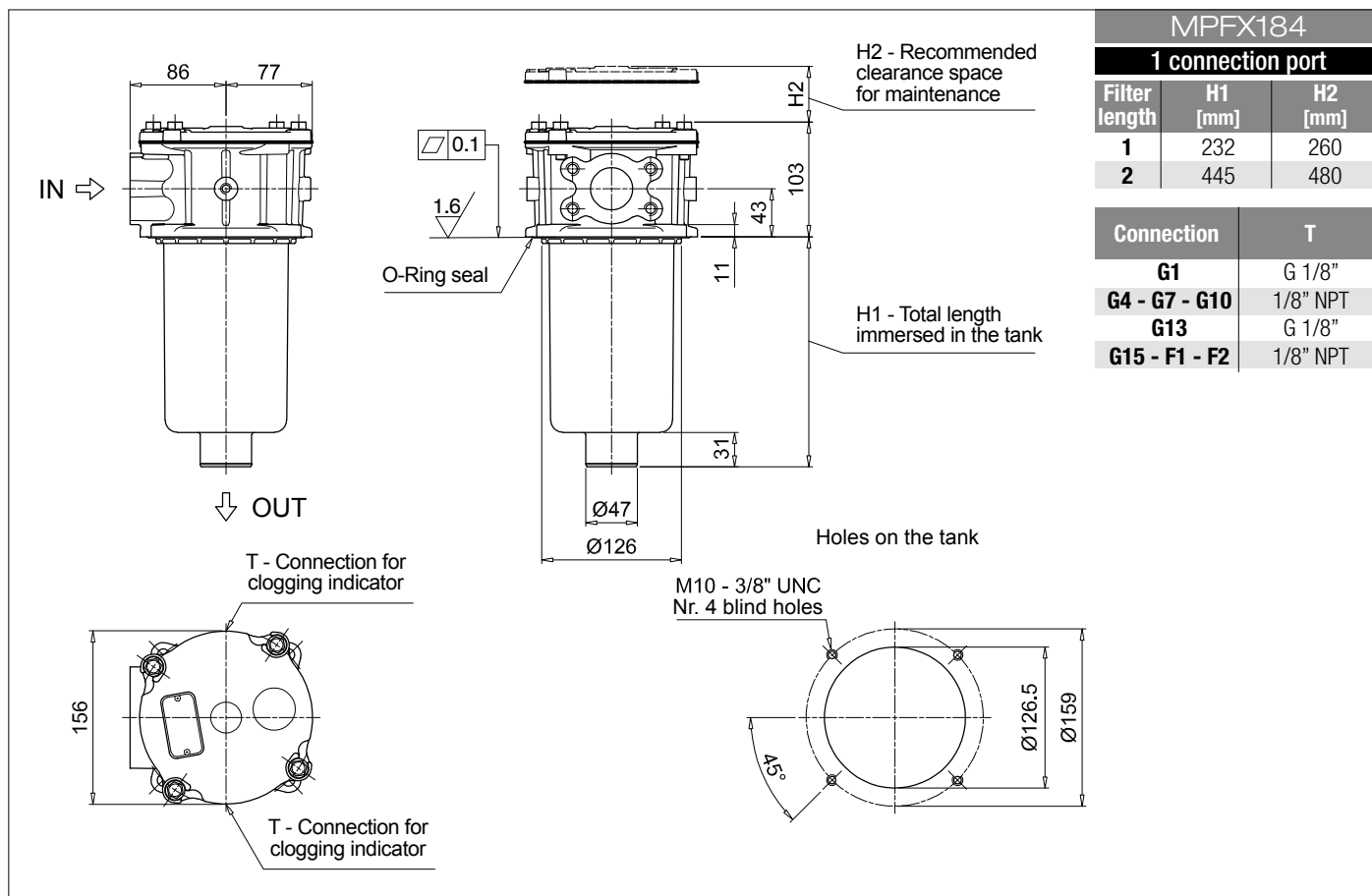
### COMPLETE FILTER

| Series and size                  |                         |                                   | Configuration example 1: MPFX184                |                  |                         |                         |                                              |  |                         |  |  |  |  |
|----------------------------------|-------------------------|-----------------------------------|-------------------------------------------------|------------------|-------------------------|-------------------------|----------------------------------------------|--|-------------------------|--|--|--|--|
| MPFX184   MPFX194                |                         |                                   | Filter featuring <b>MY CLEAN</b> Filter Element |                  |                         |                         |                                              |  |                         |  |  |  |  |
| Length                           |                         | Size 184                          | Size 194                                        |                  |                         |                         |                                              |  |                         |  |  |  |  |
| 1                                |                         | •                                 | -                                               |                  |                         |                         |                                              |  |                         |  |  |  |  |
| 2                                |                         | •                                 | •                                               |                  |                         |                         |                                              |  |                         |  |  |  |  |
| Seals and treatments             |                         |                                   |                                                 |                  |                         |                         |                                              |  |                         |  |  |  |  |
| A NBR                            |                         | W NBR                             |                                                 | head anodized    |                         |                         |                                              |  |                         |  |  |  |  |
| V FPM                            |                         | Z FPM                             |                                                 | head anodized    |                         |                         |                                              |  |                         |  |  |  |  |
| Main Connections                 |                         | Rear connections                  |                                                 | Main Connections |                         | Rear connections        |                                              |  |                         |  |  |  |  |
| G1                               | G 1 1/4"                | -                                 |                                                 | G13              | G 1 1/2"                | -                       |                                              |  |                         |  |  |  |  |
| G2                               | G 1 1/4"                | G 1 1/4"                          |                                                 | G14              | G 1 1/2"                | G 1 1/4"                |                                              |  |                         |  |  |  |  |
| G4                               | 1 1/4" NPT              | -                                 |                                                 | G15              | 1 1/2" NPT              | -                       |                                              |  |                         |  |  |  |  |
| G5                               | 1 1/4" NPT              | 1 1/4" NPT                        |                                                 | G16              | 1 1/2" NPT              | 1 1/4" NPT              |                                              |  |                         |  |  |  |  |
| G7                               | SAE 20 - 1 5/8" - 12 UN | -                                 |                                                 | F1               | 1 1/2" SAE 3000 psi/M   | -                       |                                              |  |                         |  |  |  |  |
| G8                               | SAE 20 - 1 5/8" - 12 UN | SAE 20 - 1 5/8" - 12 UN           |                                                 | F2               | 1 1/2" SAE 3000 psi/UNC | -                       |                                              |  |                         |  |  |  |  |
| G10                              | SAE 24 - 1 7/8" - 12 UN | -                                 |                                                 | F3               | 1 1/2" SAE 3000 psi/M   | 1 1/2" SAE 3000 psi/M   |                                              |  |                         |  |  |  |  |
| G11                              | SAE 24 - 1 7/8" - 12 UN | SAE 20 - 1 5/8" - 12 UN           |                                                 | F4               | 1 1/2" SAE 3000 psi/UNC | 1 1/2" SAE 3000 psi/UNC |                                              |  |                         |  |  |  |  |
| Filtration rating (filter media) |                         |                                   |                                                 |                  |                         |                         |                                              |  |                         |  |  |  |  |
| A03 Inorganic microfiber 3 µm    |                         | M25 Wire mesh 25 µm               |                                                 |                  |                         |                         |                                              |  |                         |  |  |  |  |
| A06 Inorganic microfiber 6 µm    |                         | M60 Wire mesh 60 µm               |                                                 |                  |                         |                         |                                              |  |                         |  |  |  |  |
| A10 Inorganic microfiber 10 µm   |                         | M90 Wire mesh 90 µm               |                                                 |                  |                         |                         |                                              |  |                         |  |  |  |  |
| A16 Inorganic microfiber 16 µm   |                         | P10 Resin impregnated paper 10 µm |                                                 |                  |                         |                         |                                              |  |                         |  |  |  |  |
| A25 Inorganic microfiber 25 µm   |                         | P25 Resin impregnated paper 25 µm |                                                 |                  |                         |                         |                                              |  |                         |  |  |  |  |
| Element Δp                       |                         | Filter media                      |                                                 |                  |                         |                         |                                              |  |                         |  |  |  |  |
| N                                | 10 bar                  | Axx                               | Mxx                                             | Pxx              |                         |                         |                                              |  |                         |  |  |  |  |
| H                                | 10 bar                  | •                                 | -                                               | -                |                         |                         |                                              |  |                         |  |  |  |  |
| Bypass valve                     |                         |                                   |                                                 |                  | Executions              |                         |                                              |  |                         |  |  |  |  |
| E 3 bar                          |                         |                                   |                                                 |                  | Base                    |                         | zere <span style="color:blue">spark</span> ® |  | Z01* MP Filtri standard |  |  |  |  |
| B 1.75 bar                       |                         |                                   |                                                 |                  | Pxx                     |                         | Zxx*                                         |  | Customized              |  |  |  |  |
| * Not for Mxx filter media       |                         |                                   |                                                 |                  |                         |                         |                                              |  |                         |  |  |  |  |

\* Not for Mxx filter media

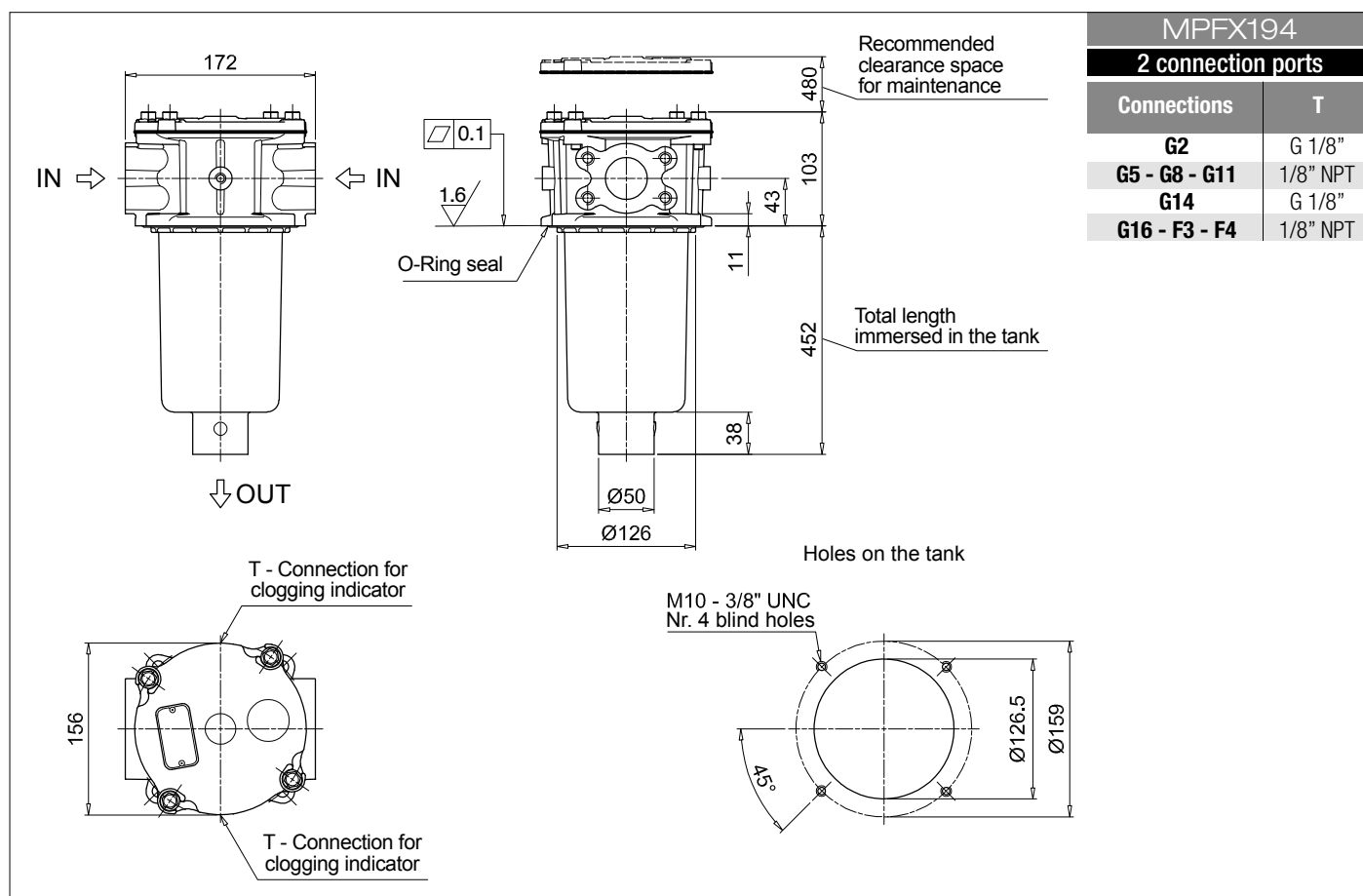
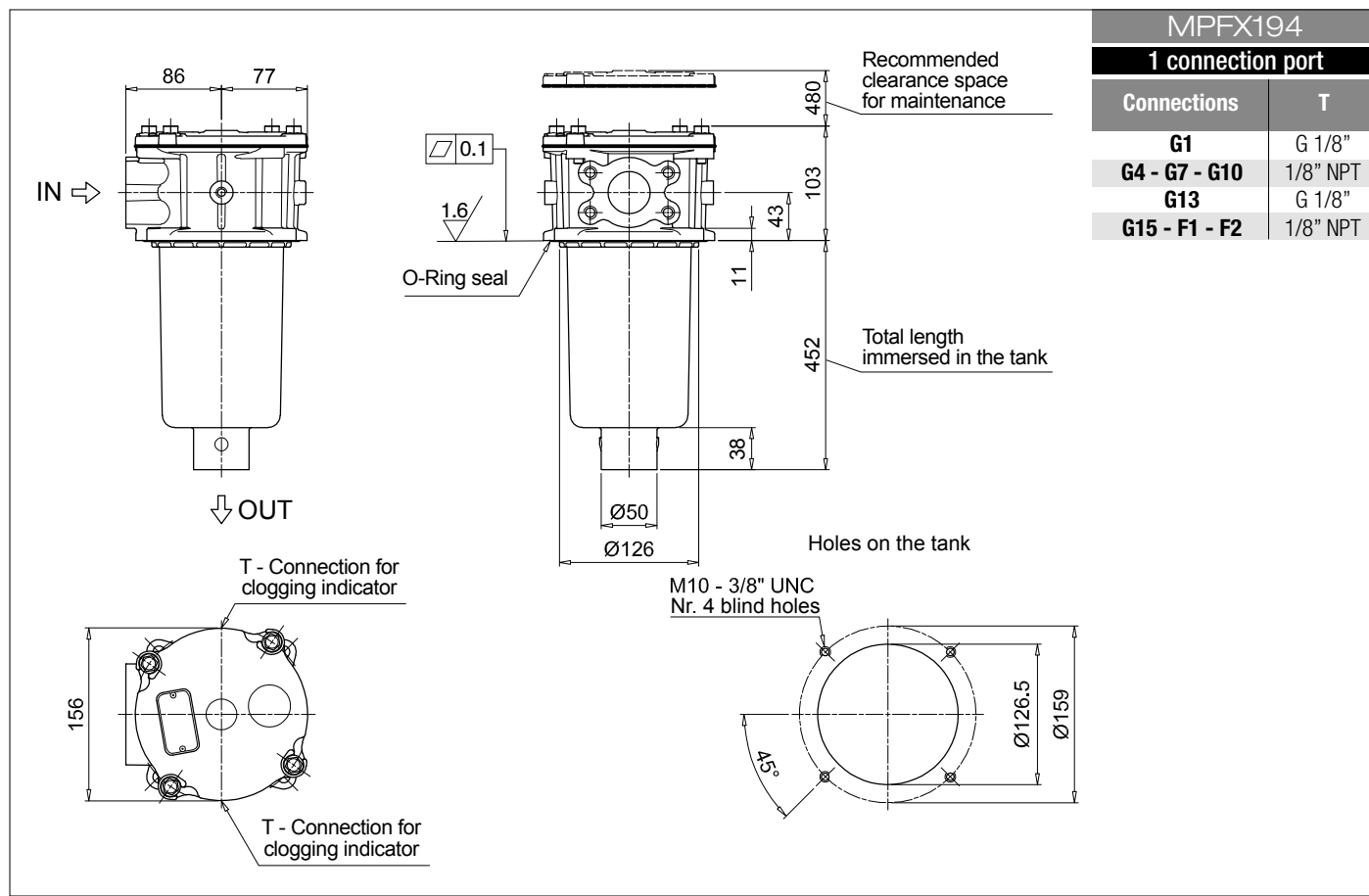
### FILTER ELEMENT

| Element series and size                     |        |                            |     | Configuration example 1: |              |                               |  |  |  | MFX180     | 1 | A25                                        | H | B                  | E | P01 |
|---------------------------------------------|--------|----------------------------|-----|--------------------------|--------------|-------------------------------|--|--|--|------------|---|--------------------------------------------|---|--------------------|---|-----|
| MFX180 Filter Element with MY CLEAN feature |        |                            |     | Configuration example 2: |              |                               |  |  |  | MFX180     | 2 | P10                                        | N | V                  |   | P01 |
| Element length                              |        |                            |     |                          |              |                               |  |  |  |            |   |                                            |   |                    |   |     |
| 1                                           | 2      |                            |     |                          |              |                               |  |  |  |            |   |                                            |   |                    |   |     |
| Filtration rating (filter media)            |        |                            |     |                          |              |                               |  |  |  |            |   |                                            |   |                    |   |     |
| A03                                         |        | Inorganic microfiber 3 µm  |     | M25                      |              | Wire mesh 25 µm               |  |  |  |            |   |                                            |   |                    |   |     |
| A06                                         |        | Inorganic microfiber 6 µm  |     | M60                      |              | Wire mesh 60 µm               |  |  |  |            |   |                                            |   |                    |   |     |
| A10                                         |        | Inorganic microfiber 10 µm |     | M90                      |              | Wire mesh 90 µm               |  |  |  |            |   |                                            |   |                    |   |     |
| A16                                         |        | Inorganic microfiber 16 µm |     | P10                      |              | Resin impregnated paper 10 µm |  |  |  |            |   |                                            |   |                    |   |     |
| A25                                         |        | Inorganic microfiber 25 µm |     | P25                      |              | Resin impregnated paper 25 µm |  |  |  |            |   |                                            |   |                    |   |     |
| Element Δp                                  |        | Filter media               |     |                          |              |                               |  |  |  |            |   |                                            |   |                    |   |     |
| N                                           | 10 bar | Axx                        | Mxx | Pxx                      |              |                               |  |  |  |            |   |                                            |   |                    |   |     |
| H                                           | 10 bar |                            |     |                          |              |                               |  |  |  |            |   |                                            |   |                    |   |     |
| Seals                                       |        |                            |     |                          | Bypass valve |                               |  |  |  | Executions |   |                                            |   |                    |   |     |
| B NBR                                       |        |                            |     |                          | E 3 bar      |                               |  |  |  | Base       |   | zere <span style="color:blue">spark</span> |   |                    |   |     |
| V FPM                                       |        |                            |     |                          | - 1.75 bar   |                               |  |  |  | P01        |   | Z01 *                                      |   | MP Filtri standard |   |     |
|                                             |        |                            |     |                          |              |                               |  |  |  | Pxx        |   | Zxx *                                      |   | Customized         |   |     |
| * Not for Mxx filter media                  |        |                            |     |                          |              |                               |  |  |  |            |   |                                            |   |                    |   |     |



# MPFX MPFX184 - MPFX194

## Dimensions





## Designation & Ordering code

### COMPLETE FILTER

|                                                                                                                           |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
|---------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|--------------------------|-----|---------|--------------|---|------|-----|-------------------------|---|--------------------|----------------------------|--|
| Series and size                                                                                                           |  |                                   |  | Configuration example 1: |     | MPFX400 | 1            | A | G9   | A25 | H                       | B | P01                |                            |  |
| MPFX400 Filter featuring  Filter Element |  |                                   |  | Configuration example 2: |     | MPFX400 | 2            | V | G4   | P10 | N                       | E | P01                |                            |  |
| Length                                                                                                                    |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| 1   2   3                                                                                                                 |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| Seals and treatments                                                                                                      |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| A NBR                                                                                                                     |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| V FPM                                                                                                                     |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| W NBR head anodized                                                                                                       |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| Z FPM head anodized                                                                                                       |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| Connections                                                                                                               |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| G1 G 1 1/4"                                                                                                               |  | G6 2" NPT                         |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| G2 G 1 1/2"                                                                                                               |  | G7 SAE 20 - 1 5/8" - 12 UN        |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| G3 G 2"                                                                                                                   |  | G8 SAE 24 - 1 7/8" - 12 UN        |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| G4 1 1/4" NPT                                                                                                             |  | G9 SAE 32 - 2 1/2" - 12 UN        |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| G5 1 1/2" NPT                                                                                                             |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| Filtration rating (filter media)                                                                                          |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| A03 Inorganic microfiber 3 µm                                                                                             |  | M25 Wire mesh 25 µm               |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| A06 Inorganic microfiber 6 µm                                                                                             |  | M60 Wire mesh 60 µm               |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| A10 Inorganic microfiber 10 µm                                                                                            |  | M90 Wire mesh 90 µm               |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| A16 Inorganic microfiber 16 µm                                                                                            |  | P10 Resin impregnated paper 10 µm |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| A25 Inorganic microfiber 25 µm                                                                                            |  | P25 Resin impregnated paper 25 µm |  |                          |     |         |              |   |      |     |                         |   |                    |                            |  |
| Element Δp                                                                                                                |  |                                   |  | Filter media             |     |         | Executions   |   |      |     |                         |   |                    |                            |  |
| N 10 bar                                                                                                                  |  |                                   |  | Axx                      | Mxx | Pxx     | Bypass valve |   | Base |     | zereospark <sup>2</sup> |   |                    |                            |  |
| H 10 bar                                                                                                                  |  |                                   |  | •                        | -   | -       | E 3 bar      |   | P01  |     | Z01 *                   |   | MP Filtri standard |                            |  |
|                                                                                                                           |  |                                   |  |                          |     |         | B 1.75 bar   |   | Pxx  |     | Zxx *                   |   | Customized         |                            |  |
|                                                                                                                           |  |                                   |  |                          |     |         |              |   |      |     |                         |   |                    | * Not for Mxx filter media |  |

### FILTER ELEMENT

|                                            |  |                                   |     |                          |            |              |      |            |                    |   |   |     |
|--------------------------------------------|--|-----------------------------------|-----|--------------------------|------------|--------------|------|------------|--------------------|---|---|-----|
| Element series and size                    |  |                                   |     | Configuration example 1: |            | MFX400       | 1    | A25        | H                  | B |   | P01 |
| MFX400 Filter Element with MYCLEAN feature |  |                                   |     | Configuration example 2: |            | MFX400       | 2    | P10        | N                  | V | E | P01 |
| Element length                             |  |                                   |     |                          |            |              |      |            |                    |   |   |     |
| 1   2   3                                  |  |                                   |     |                          |            |              |      |            |                    |   |   |     |
| Filtration rating (filter media)           |  |                                   |     |                          |            |              |      |            |                    |   |   |     |
| A03 Inorganic microfiber 3 µm              |  | M25 Wire mesh 25 µm               |     |                          |            |              |      |            |                    |   |   |     |
| A06 Inorganic microfiber 6 µm              |  | M60 Wire mesh 60 µm               |     |                          |            |              |      |            |                    |   |   |     |
| A10 Inorganic microfiber 10 µm             |  | M90 Wire mesh 90 µm               |     |                          |            |              |      |            |                    |   |   |     |
| A16 Inorganic microfiber 16 µm             |  | P10 Resin impregnated paper 10 µm |     |                          |            |              |      |            |                    |   |   |     |
| A25 Inorganic microfiber 25 µm             |  | P25 Resin impregnated paper 25 µm |     |                          |            |              |      |            |                    |   |   |     |
| Element Δp                                 |  | Filter media                      |     |                          | Executions |              |      |            |                    |   |   |     |
| N 10 bar                                   |  | Axx                               | Mxx | Pxx                      | Seals      | Bypass valve | Base | zereospark |                    |   |   |     |
| H 10 bar                                   |  | -                                 | •   | •                        | B NBR      | E 3 bar      | P01  | Z01        | MP Filtri standard |   |   |     |
|                                            |  | •                                 | -   | -                        | V FPM      | - 1.75 bar   | Pxx  | Zxx *      | Customized         |   |   |     |
| * Not for Mxx filter media                 |  |                                   |     |                          |            |              |      |            |                    |   |   |     |

### CLOGGING INDICATORS

See page 720-721

|                                                           |  |
|-----------------------------------------------------------|--|
| <b>BVA</b> Axial pressure gauge                           |  |
| <b>BVR</b> Radial pressure gauge                          |  |
| <b>BVP</b> Visual pressure indicator with automatic reset |  |
| <b>BVQ</b> Visual pressure indicator with manual reset    |  |

|                                                   |  |
|---------------------------------------------------|--|
| <b>BEA</b> Electrical pressure indicator          |  |
| <b>BEM</b> Electrical pressure indicator          |  |
| <b>BLA</b> Electrical / visual pressure indicator |  |

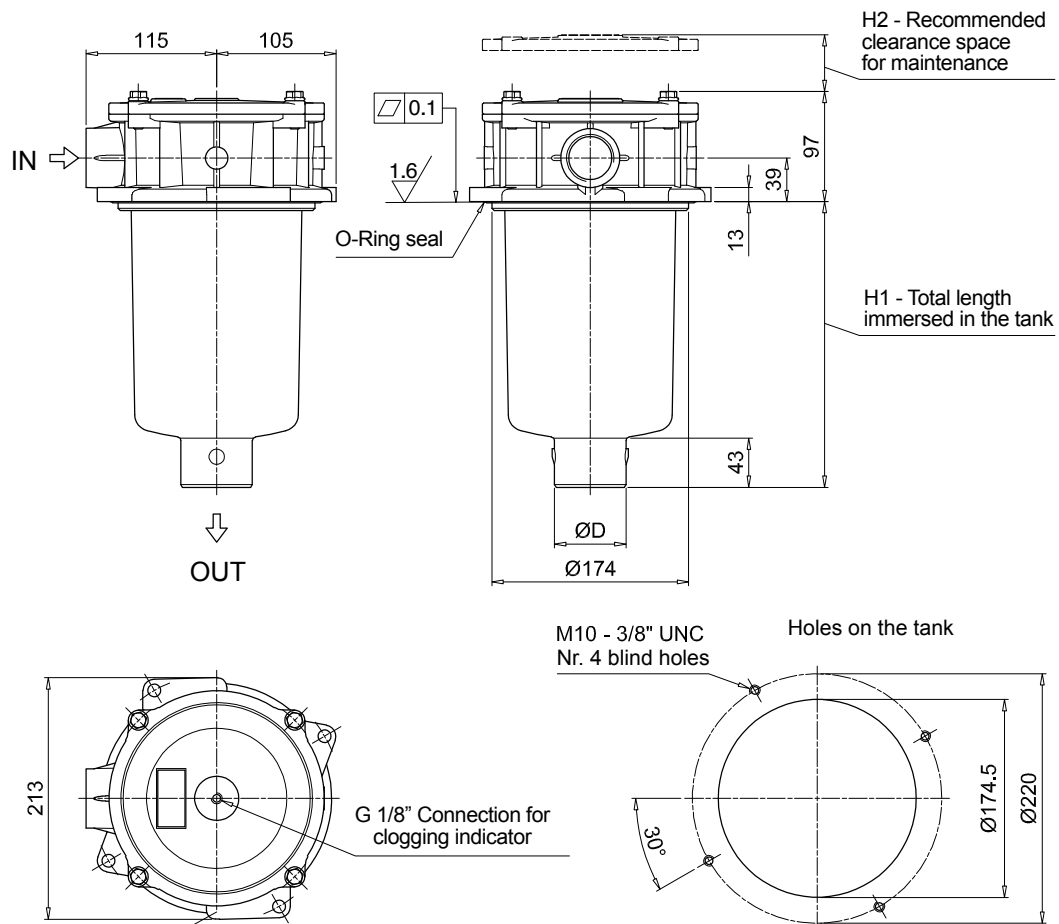
### ADDITIONAL FEATURES

See page 268

|                               |  |
|-------------------------------|--|
| <b>TE</b> Extension tube      |  |
| <b>T5</b> Filler plug M30x1.5 |  |

MPFX400

| Filter length | H1 [mm] | H2 [mm] | D [mm] |
|---------------|---------|---------|--------|
| <b>1</b>      | 187     | 210     | 50     |
| <b>2</b>      | 252     | 270     | 63     |
| <b>3</b>      | 300     | 315     | 63     |



## Designation & Ordering code

### COMPLETE FILTER

|                                                                                                                                  |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
|----------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|---------|---|---|----|---|-----|---|---|-----|
| <b>Series and size</b>                                                                                                           |  | Configuration example 1:                                                                                           |  | MPFX410 | 1 | V | G4 | 1 | P10 | N | E | P01 |
| <b>MPFX410</b> Filter featuring  Filter Element |  | Configuration example 2:                                                                                           |  | MPFX410 | 1 | A | G1 | 1 | A25 | H | B | P01 |
| <b>Length</b>                                                                                                                    |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| 1   2   3                                                                                                                        |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| <b>Seals and treatments</b>                                                                                                      |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| A NBR                                                                                                                            |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| V FPM                                                                                                                            |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| W NBR head anodized                                                                                                              |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| Z FPM head anodized                                                                                                              |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| <b>Main Connections</b>                                                                                                          |  | <b>Aux size 1</b>                                                                                                  |  |         |   |   |    |   |     |   |   |     |
| G1 G 1 1/4"                                                                                                                      |  | G 1"                                                                                                               |  |         |   |   |    |   |     |   |   |     |
| G4 1 1/4" NPT                                                                                                                    |  | 1" NPT                                                                                                             |  |         |   |   |    |   |     |   |   |     |
| G7 SAE 20 - 1 5/8" - 12 UN                                                                                                       |  | SAE 16 - 1 5/16" - 12 UN                                                                                           |  |         |   |   |    |   |     |   |   |     |
| <b>Aux connection</b> - see previous table                                                                                       |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| 1 Aux size 1                                                                                                                     |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| <b>Filtration rating (filter media)</b>                                                                                          |  |                                                                                                                    |  |         |   |   |    |   |     |   |   |     |
| A03 Inorganic microfiber 3 µm                                                                                                    |  | M25 Wire mesh 25 µm                                                                                                |  |         |   |   |    |   |     |   |   |     |
| A06 Inorganic microfiber 6 µm                                                                                                    |  | M60 Wire mesh 60 µm                                                                                                |  |         |   |   |    |   |     |   |   |     |
| A10 Inorganic microfiber 10 µm                                                                                                   |  | M90 Wire mesh 90 µm                                                                                                |  |         |   |   |    |   |     |   |   |     |
| A16 Inorganic microfiber 16 µm                                                                                                   |  | P10 Resin impregnated paper 10 µm                                                                                  |  |         |   |   |    |   |     |   |   |     |
| A25 Inorganic microfiber 25 µm                                                                                                   |  | P25 Resin impregnated paper 25 µm                                                                                  |  |         |   |   |    |   |     |   |   |     |
| <b>Element Δp</b>                                                                                                                |  | <b>Filter media</b>                                                                                                |  |         |   |   |    |   |     |   |   |     |
| N 10 bar                                                                                                                         |  | Axx Mxx Pxx                                                                                                        |  |         |   |   |    |   |     |   |   |     |
| H 10 bar                                                                                                                         |  | • - -                                                                                                              |  |         |   |   |    |   |     |   |   |     |
|                                                                                                                                  |  | <b>Executions</b>                                                                                                  |  |         |   |   |    |   |     |   |   |     |
|                                                                                                                                  |  | Base  Z01* MP Filtri standard |  |         |   |   |    |   |     |   |   |     |
|                                                                                                                                  |  | Pxx Zxx* Customized                                                                                                |  |         |   |   |    |   |     |   |   |     |
|                                                                                                                                  |  | * Not for Mxx filter media                                                                                         |  |         |   |   |    |   |     |   |   |     |

### FILTER ELEMENT

|                                                                                                                                |  |                                                                                                                    |  |         |   |     |   |   |   |     |
|--------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|---------|---|-----|---|---|---|-----|
| <b>Element series and size</b>                                                                                                 |  | Configuration example 1:                                                                                           |  | MFEX400 | 1 | P10 | N | V | E | P01 |
| <b>MFEX400</b> Filter Element with  feature |  | Configuration example 2:                                                                                           |  | MFEX400 | 1 | A25 | H | B |   | P01 |
| <b>Element length</b>                                                                                                          |  |                                                                                                                    |  |         |   |     |   |   |   |     |
| 1   2   3                                                                                                                      |  |                                                                                                                    |  |         |   |     |   |   |   |     |
| <b>Filtration rating (filter media)</b>                                                                                        |  |                                                                                                                    |  |         |   |     |   |   |   |     |
| A03 Inorganic microfiber 3 µm                                                                                                  |  | M25 Wire mesh 25 µm                                                                                                |  |         |   |     |   |   |   |     |
| A06 Inorganic microfiber 6 µm                                                                                                  |  | M60 Wire mesh 60 µm                                                                                                |  |         |   |     |   |   |   |     |
| A10 Inorganic microfiber 10 µm                                                                                                 |  | M90 Wire mesh 90 µm                                                                                                |  |         |   |     |   |   |   |     |
| A16 Inorganic microfiber 16 µm                                                                                                 |  | P10 Resin impregnated paper 10 µm                                                                                  |  |         |   |     |   |   |   |     |
| A25 Inorganic microfiber 25 µm                                                                                                 |  | P25 Resin impregnated paper 25 µm                                                                                  |  |         |   |     |   |   |   |     |
| <b>Element Δp</b>                                                                                                              |  | <b>Filter media</b>                                                                                                |  |         |   |     |   |   |   |     |
| N 10 bar                                                                                                                       |  | Axx Mxx Pxx                                                                                                        |  |         |   |     |   |   |   |     |
| H 10 bar                                                                                                                       |  | • - -                                                                                                              |  |         |   |     |   |   |   |     |
|                                                                                                                                |  | <b>Executions</b>                                                                                                  |  |         |   |     |   |   |   |     |
|                                                                                                                                |  | Base  Z01* MP Filtri standard |  |         |   |     |   |   |   |     |
|                                                                                                                                |  | Pxx Zxx* Customized                                                                                                |  |         |   |     |   |   |   |     |
|                                                                                                                                |  | * Not for Mxx filter media                                                                                         |  |         |   |     |   |   |   |     |

### CLOGGING INDICATORS

See page 720-721

|                                                           |
|-----------------------------------------------------------|
| <b>BVA</b> Axial pressure gauge                           |
| <b>BVR</b> Radial pressure gauge                          |
| <b>BVP</b> Visual pressure indicator with automatic reset |
| <b>BVQ</b> Visual pressure indicator with manual reset    |

|                                                   |
|---------------------------------------------------|
| <b>BEA</b> Electrical pressure indicator          |
| <b>BEM</b> Electrical pressure indicator          |
| <b>BLA</b> Electrical / visual pressure indicator |

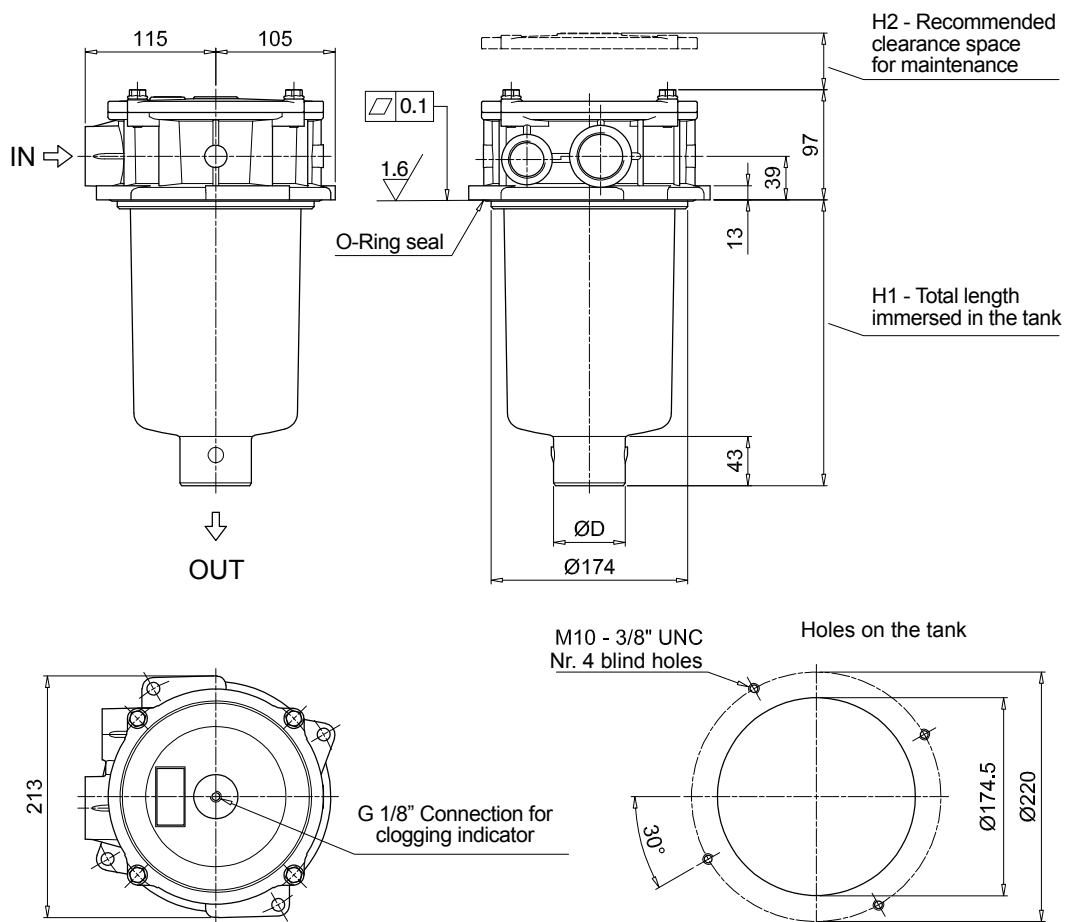
### ADDITIONAL FEATURES

See page 268

|                               |
|-------------------------------|
| <b>TE</b> Extension tube      |
| <b>T5</b> Filler plug M30x1.5 |

MPFX410

| Filter length | H1 [mm] | H2 [mm] | D [mm] |
|---------------|---------|---------|--------|
| <b>1</b>      | 187     | 210     | 50     |
| <b>2</b>      | 252     | 270     | 63     |
| <b>3</b>      | 300     | 315     | 63     |





# MPFX MPFX450 - MPFX451 - MPFX750

## Designation & Ordering code

### COMPLETE FILTER

| Series and size                                                                                                   |  |       |  | Configuration example 1: MPFX450  |          |          |              |            |      |                    |           |  |
|-------------------------------------------------------------------------------------------------------------------|--|-------|--|-----------------------------------|----------|----------|--------------|------------|------|--------------------|-----------|--|
| MPFX450   MPFX451   MPFX750                                                                                       |  |       |  | Configuration example 2: MPFX750  |          |          |              |            |      |                    |           |  |
| Filter featuring  Filter Element |  |       |  | 1                                 | A        | G1       | A25          | H          | B    | P01                |           |  |
| Length                                                                                                            |  |       |  | MPFX 450                          | MPFX 451 | MPFX 750 |              |            |      |                    |           |  |
| 1                                                                                                                 |  |       |  | •                                 | •        | •        |              |            |      |                    |           |  |
| 2                                                                                                                 |  |       |  | •                                 | •        | -        |              |            |      |                    |           |  |
| 3                                                                                                                 |  |       |  | •                                 | •        | -        |              |            |      |                    |           |  |
| Seals and treatments                                                                                              |  |       |  |                                   |          |          |              |            |      |                    |           |  |
| A NBR                                                                                                             |  | W NBR |  | head anodized                     |          |          |              |            |      |                    |           |  |
| V FPM                                                                                                             |  | Z FPM |  | head anodized                     |          |          |              |            |      |                    |           |  |
| Connections                                                                                                       |  |       |  | Aux (only size 451)               |          |          |              |            |      |                    |           |  |
| G1 G 2"                                                                                                           |  |       |  | G 3/4"                            |          |          |              |            |      |                    |           |  |
| G4 2" NPT                                                                                                         |  |       |  | 3/4" NPT                          |          |          |              |            |      |                    |           |  |
| G7 SAE 32 - 2 1/2" - 12 UN                                                                                        |  |       |  | SAE 12 - 1 1/16" - 12 UN          |          |          |              |            |      |                    |           |  |
| F1 2" SAE 3000 psi/M                                                                                              |  |       |  | G 3/4"                            |          |          |              |            |      |                    |           |  |
| F2 2" SAE 3000 psi/UNC                                                                                            |  |       |  | 3/4" NPT                          |          |          |              |            |      |                    |           |  |
| Filtration rating (filter media)                                                                                  |  |       |  |                                   |          |          |              |            |      |                    |           |  |
| A03 Inorganic microfiber 3 µm                                                                                     |  |       |  | M25 Wire mesh 25 µm               |          |          |              |            |      |                    |           |  |
| A06 Inorganic microfiber 6 µm                                                                                     |  |       |  | M60 Wire mesh 60 µm               |          |          |              |            |      |                    |           |  |
| A10 Inorganic microfiber 10 µm                                                                                    |  |       |  | M90 Wire mesh 90 µm               |          |          |              |            |      |                    |           |  |
| A16 Inorganic microfiber 16 µm                                                                                    |  |       |  | P10 Resin impregnated paper 10 µm |          |          |              |            |      |                    |           |  |
| A25 Inorganic microfiber 25 µm                                                                                    |  |       |  | P25 Resin impregnated paper 25 µm |          |          |              |            |      |                    |           |  |
| Element Δp                                                                                                        |  |       |  | Filter media                      |          |          |              | Executions |      |                    |           |  |
| N 10 bar                                                                                                          |  |       |  | Axx                               | Mxx      | Pxx      | Bypass valve |            | Base |                    | zerospark |  |
| H 10 bar                                                                                                          |  |       |  | •                                 | -        | -        | E 3 bar      |            | P01  |                    | Z01 *     |  |
|                                                                                                                   |  |       |  |                                   |          |          | B 1.75 bar   |            | Pxx  |                    | Zxx *     |  |
|                                                                                                                   |  |       |  |                                   |          |          |              |            |      | MP Filtri standard |           |  |
|                                                                                                                   |  |       |  |                                   |          |          |              |            |      | Customized         |           |  |
| * Not for Mxx filter media                                                                                        |  |       |  |                                   |          |          |              |            |      |                    |           |  |

\* Not for Mxx filter media

### FILTER ELEMENT

| Element series and size                              |        |                                   |          | Configuration example 1: MFX400 1 A25 H B P01   |  |                        |  |                    |  |  |  |
|------------------------------------------------------|--------|-----------------------------------|----------|-------------------------------------------------|--|------------------------|--|--------------------|--|--|--|
| MFX400   MFX750 Filter Element with MY CLEAN feature |        |                                   |          | Configuration example 2: MFX750 1 P10 N V E P01 |  |                        |  |                    |  |  |  |
| Element length                                       |        | MPFX 450                          | MPFX 451 | MPFX 750                                        |  |                        |  |                    |  |  |  |
| 1                                                    |        | •                                 | •        | •                                               |  |                        |  |                    |  |  |  |
| 2                                                    |        | •                                 | •        | -                                               |  |                        |  |                    |  |  |  |
| 3                                                    |        | •                                 | •        | -                                               |  |                        |  |                    |  |  |  |
| Filtration rating (filter media)                     |        |                                   |          |                                                 |  |                        |  |                    |  |  |  |
| A03 Inorganic microfiber 3 µm                        |        | M25 Wire mesh 25 µm               |          |                                                 |  |                        |  |                    |  |  |  |
| A06 Inorganic microfiber 6 µm                        |        | M60 Wire mesh 60 µm               |          |                                                 |  |                        |  |                    |  |  |  |
| A10 Inorganic microfiber 10 µm                       |        | M90 Wire mesh 90 µm               |          |                                                 |  |                        |  |                    |  |  |  |
| A16 Inorganic microfiber 16 µm                       |        | P10 Resin impregnated paper 10 µm |          |                                                 |  |                        |  |                    |  |  |  |
| A25 Inorganic microfiber 25 µm                       |        | P25 Resin impregnated paper 25 µm |          |                                                 |  |                        |  |                    |  |  |  |
| Element Δp                                           |        | Filter media                      |          |                                                 |  |                        |  |                    |  |  |  |
|                                                      |        | Axx                               | Mxx      | Pxx                                             |  |                        |  |                    |  |  |  |
| N                                                    | 10 bar | -                                 | •        | •                                               |  |                        |  |                    |  |  |  |
| H                                                    | 10 bar | •                                 | -        | -                                               |  |                        |  |                    |  |  |  |
| Seals                                                |        | Bypass valve                      |          | Executions                                      |  |                        |  |                    |  |  |  |
| B NBR                                                |        | E 3 bar                           |          | Base                                            |  | zerospark <sup>2</sup> |  |                    |  |  |  |
| V FPM                                                |        | - 1.75 bar                        |          | P01                                             |  | Z01 *                  |  | MP Filtri standard |  |  |  |
|                                                      |        |                                   |          | Pxx                                             |  | Zxx *                  |  | Customized         |  |  |  |
| * Not for Mxx filter media                           |        |                                   |          |                                                 |  |                        |  |                    |  |  |  |

\* Not for Mxx filter media

### CLOGGING INDICATORS

See page 720-721

|            |                                                |
|------------|------------------------------------------------|
| <b>BVA</b> | Axial pressure gauge                           |
| <b>BVR</b> | Radial pressure gauge                          |
| <b>BVP</b> | Visual pressure indicator with automatic reset |
| <b>BVQ</b> | Visual pressure indicator with manual reset    |

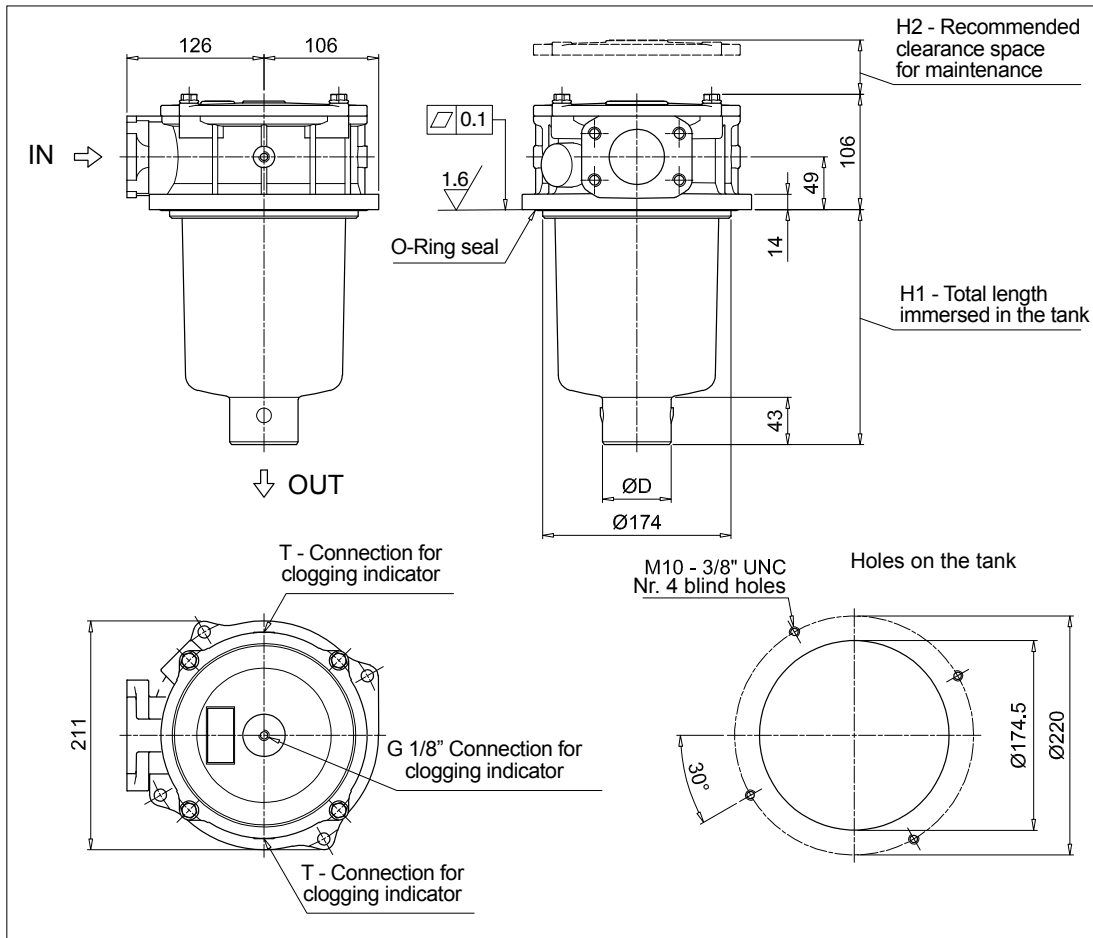
|            |                                        |
|------------|----------------------------------------|
| <b>BEA</b> | Electrical pressure indicator          |
| <b>BEM</b> | Electrical pressure indicator          |
| <b>BLA</b> | Electrical / visual pressure indicator |

### ADDITIONAL FEATURES

See page 268

|           |                |
|-----------|----------------|
| <b>TE</b> | Extension tube |
|-----------|----------------|

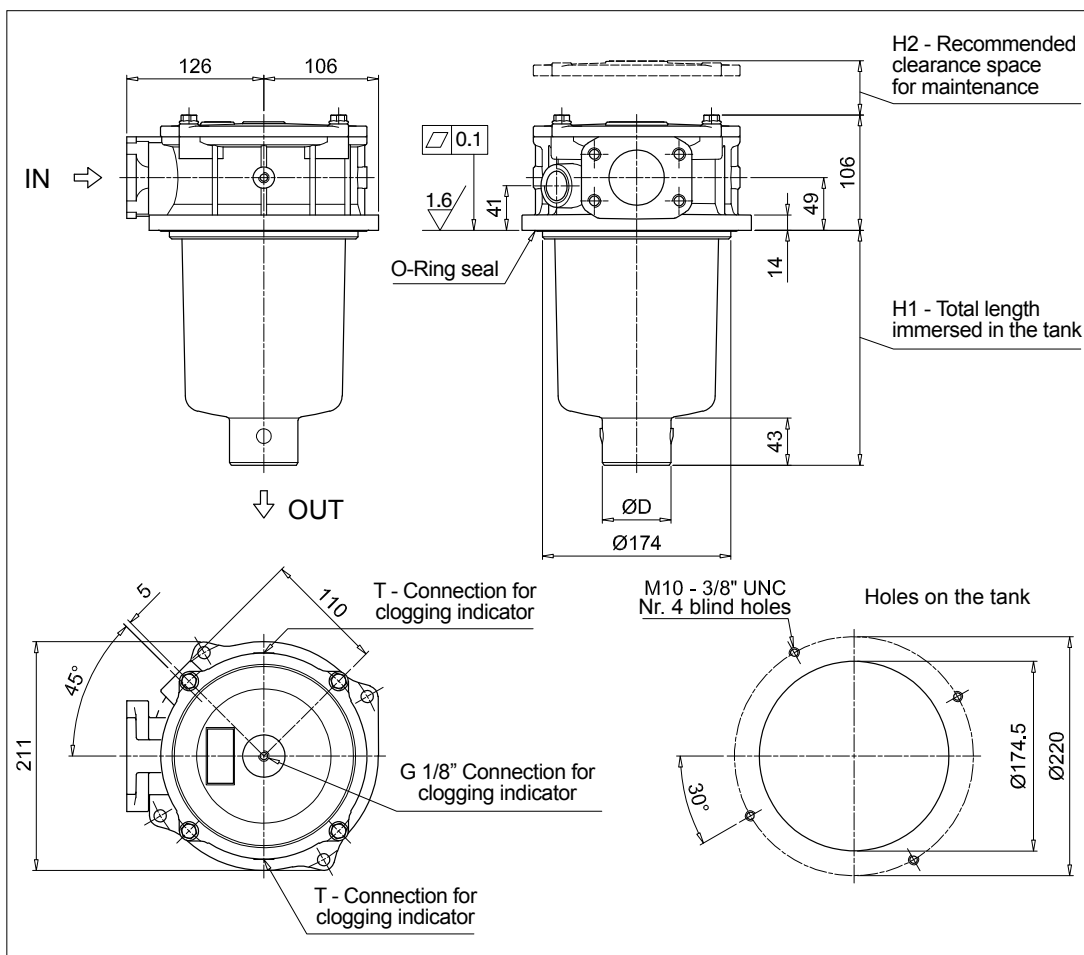
|           |                     |
|-----------|---------------------|
| <b>T5</b> | Filler plug M30x1.5 |
|-----------|---------------------|



| MPFX450       |         |         |        |
|---------------|---------|---------|--------|
| Filter length | H1 [mm] | H2 [mm] | D [mm] |
| 1             | 187     | 210     | 50     |
| 2             | 252     | 270     | 63     |
| 3             | 300     | 315     | 63     |

| Connections | T        |
|-------------|----------|
| G1          | G 1/8"   |
| G4 - G7     | 1/8" NPT |
| F1          | G 1/8"   |
| F2          | 1/8" NPT |



| MPFX451       |         |         |        |
|---------------|---------|---------|--------|
| Filter length | H1 [mm] | H2 [mm] | D [mm] |
| 1             | 187     | 210     | 50     |
| 2             | 252     | 270     | 63     |
| 3             | 300     | 315     | 63     |

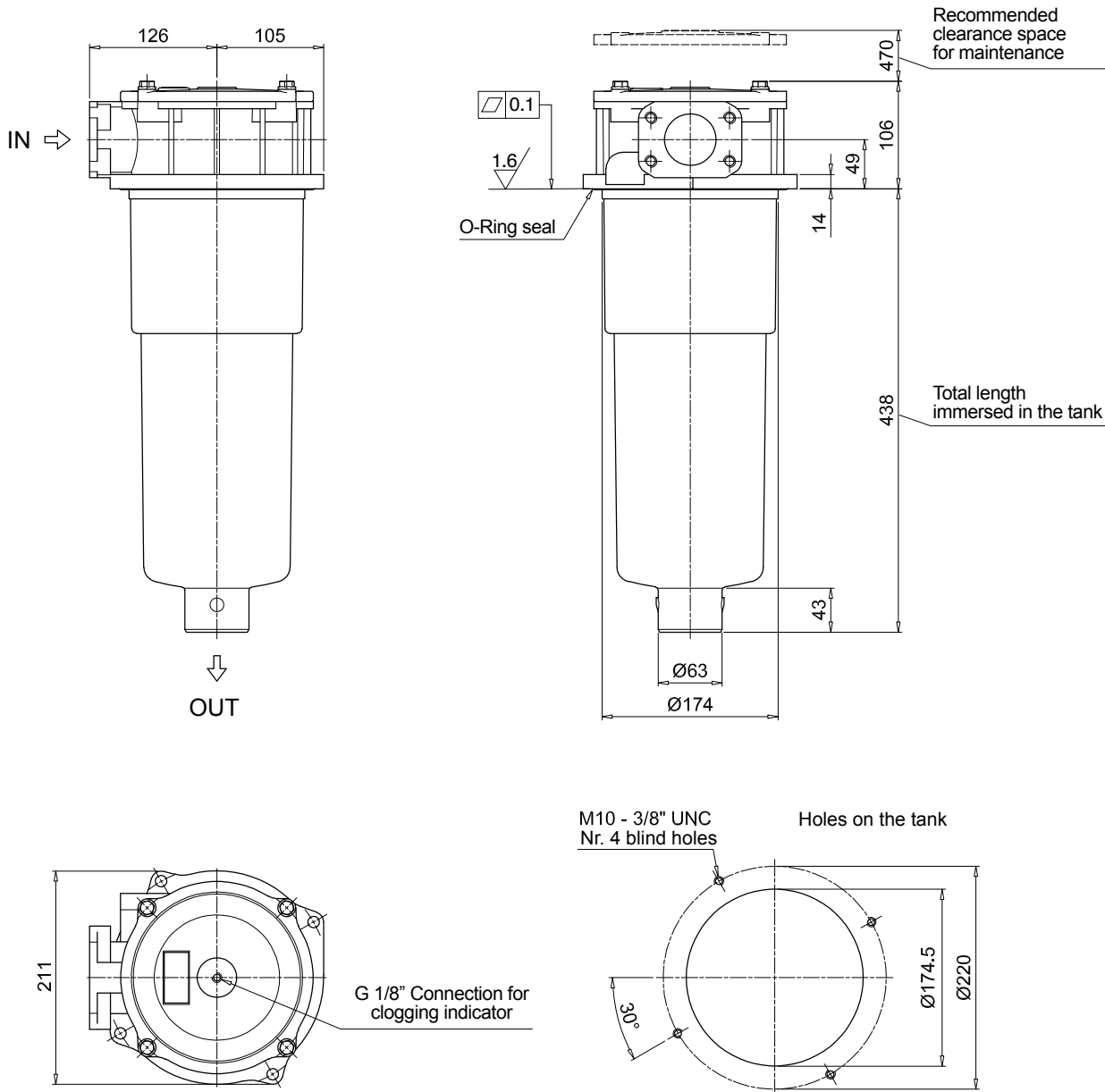
  

| Connections | T        |
|-------------|----------|
| G1          | G 1/8"   |
| G4 - G7     | 1/8" NPT |
| F1          | G 1/8"   |
| F2          | 1/8" NPT |

# MPFX MPFX450 - MPFX451 - MPFX750

## Dimensions

MPFX750



**MPFX 100**

**MPFX 181**

| O-RING SEAL         |                 |                          |                          |
|---------------------|-----------------|--------------------------|--------------------------|
| Item:               | Q.ty: 1 pc.     | Q.ty: 1 pc.              |                          |
|                     | <b>2</b>        | <b>3</b> (3a ÷ 3d)       |                          |
| Filter series       | Filter element  | Seal Kit code number NBR | Seal Kit code number FPM |
| <b>MPFX 030</b>     | See order table | 02050675                 | 02050676                 |
| <b>MPFX 100-110</b> |                 | 02050677                 | 02050678                 |
| <b>MPFX 181-182</b> |                 | 02050681                 | 02050682                 |
| <b>MPFX 184</b>     |                 | 02050685                 | 02050686                 |
| <b>MPFX 191-192</b> |                 | 02050683                 | 02050684                 |
| <b>MPFX 194</b>     |                 | 02050687                 | 02050688                 |
| <b>MPFX 400-410</b> |                 | 02050695                 | 02050696                 |
| <b>MPFX 450-451</b> |                 | 02050697                 | 02050698                 |
| <b>MPFX 750</b>     |                 | 02050699                 | 02050700                 |

**MPFX 104**

**MPFX 181**

| FLAT SEAL           |                 |                          |                          |
|---------------------|-----------------|--------------------------|--------------------------|
| Item:               | Q.ty: 1 pc.     | Q.ty: 1 pc.              |                          |
|                     | <b>2</b>        | <b>3</b> (3a ÷ 3d)       |                          |
| Filter series       | Filter element  | Seal Kit code number NBR | Seal Kit code number FPM |
| <b>MPFX 104</b>     | See order table | 02050679                 | 02050680                 |
| <b>MPFX 181-182</b> |                 | 02050691                 | 02050692                 |
| <b>MPFX 191-192</b> |                 | 02050691                 | 02050692                 |

## Designation &amp; Ordering code

## BAROMETRIC (PRESSURE) INDICATORS

| Series                                                              |         |     |                                         | Configuration example 1: BEA 15 H A 41 P01 EX |         |         |     |    |  |  |  |  |  |
|---------------------------------------------------------------------|---------|-----|-----------------------------------------|-----------------------------------------------|---------|---------|-----|----|--|--|--|--|--|
| BE Electrical pressure indicator                                    |         |     |                                         | Configuration example 2: BLA 20 H A 71 P01    |         |         |     |    |  |  |  |  |  |
| BL Electrical/Visual pressure indicator                             |         |     |                                         | Configuration example 3: BVR 14 P01           |         |         |     |    |  |  |  |  |  |
| BV Visual pressure indicator                                        |         |     |                                         | Configuration example 4: BVP 20 H P01         |         |         |     |    |  |  |  |  |  |
| Type                                                                | BE      | BL  | BV                                      |                                               |         |         |     |    |  |  |  |  |  |
| A Standard type                                                     | •       | •   | A Axial connection pressure gauge       |                                               |         |         |     |    |  |  |  |  |  |
| M With wired electrical connection                                  | •       | -   | R Radial connection pressure gauge      |                                               |         |         |     |    |  |  |  |  |  |
| T With thermal switch                                               | •       | -   | P Visual indicator with automatic reset |                                               |         |         |     |    |  |  |  |  |  |
|                                                                     |         |     | Q Visual indicator with manual reset    |                                               |         |         |     |    |  |  |  |  |  |
| Pressure setting                                                    | BEA-BEM | BET | BLA                                     | BVA-BVR                                       | BVP-BVQ |         |     |    |  |  |  |  |  |
| 14 1.4 bar                                                          | -       | -   | -                                       | •                                             | -       |         |     |    |  |  |  |  |  |
| 15 1.5 bar                                                          | •       | -   | •                                       | -                                             | •       |         |     |    |  |  |  |  |  |
| 20 2.0 bar                                                          | •       | •   | •                                       | -                                             | •       |         |     |    |  |  |  |  |  |
| 25 2.5 bar                                                          | -       | •   | -                                       | •                                             | -       |         |     |    |  |  |  |  |  |
| Seals                                                               | BE      | BLA | BVA-BVR                                 | BVP-BVQ                                       |         |         |     |    |  |  |  |  |  |
| H HNBR                                                              | •       | •   | -                                       | •                                             |         |         |     |    |  |  |  |  |  |
| Thermostat                                                          | BEA-BEM | BET | BLA                                     |                                               |         |         |     |    |  |  |  |  |  |
| A Without thermostat                                                | •       | -   | •                                       |                                               |         |         |     |    |  |  |  |  |  |
| F With thermostat                                                   | -       | •   | -                                       |                                               |         |         |     |    |  |  |  |  |  |
| Electrical connections                                              |         |     |                                         |                                               | BEA     | BEM     | BET | BL |  |  |  |  |  |
| 10 Connection AMP Superseal series 1,5                              | -       | -   | •                                       | -                                             |         |         |     |    |  |  |  |  |  |
| 30 Connection Deutsch DT-04-2-P                                     | -       | -   | •                                       | -                                             |         |         |     |    |  |  |  |  |  |
| 41 Connection via four-core cable                                   | -       | •   | -                                       | -                                             |         |         |     |    |  |  |  |  |  |
| 50 Connection EN 175301-803                                         | •       | -   | -                                       | -                                             |         |         |     |    |  |  |  |  |  |
| 51 Connection EN 175301-803, transparent base with lamps 24 Vdc     | -       | -   | -                                       | •                                             |         |         |     |    |  |  |  |  |  |
| 52 Connection EN 175301-803, transparent base with lamps 110 Vdc    | -       | -   | -                                       | •                                             |         |         |     |    |  |  |  |  |  |
| 53 Connection EN 175301-803, transparent base with lamps 230 Vac    | -       | -   | -                                       | •                                             |         |         |     |    |  |  |  |  |  |
| 71 Connection IEC 61076-2-101 D (M12), black base with lamps 24 Vdc | -       | -   | -                                       | •                                             |         |         |     |    |  |  |  |  |  |
| Option                                                              |         |     |                                         |                                               |         |         |     |    |  |  |  |  |  |
| P01 MP Filtri standard                                              |         |     |                                         |                                               |         |         |     |    |  |  |  |  |  |
| Pxx Customized                                                      |         |     |                                         |                                               |         |         |     |    |  |  |  |  |  |
| Certifications                                                      |         |     |                                         |                                               | BEA     | BEM-BET | BL  | BV |  |  |  |  |  |
| Without                                                             |         |     |                                         |                                               | •       | •       | •   | •  |  |  |  |  |  |
| EX ATEX certification                                               |         |     |                                         |                                               | •       | -       | -   | -  |  |  |  |  |  |
| UL UL certification                                                 |         |     |                                         |                                               | •       | -       | -   | -  |  |  |  |  |  |

## DIFFERENTIAL PRESSURE INDICATORS

| Series                                                      |
|-------------------------------------------------------------|
| <b>DE</b> Electrical differential pressure indicator        |
| <b>DL</b> Electrical/Visual differential pressure indicator |
| <b>DT</b> Electrical differential pressure indicator        |
| <b>DV</b> Visual differential pressure indicator            |

|                          |    |   |    |   |   |    |     |
|--------------------------|----|---|----|---|---|----|-----|
| Configuration example 1: | DE | M | 20 | H | F | 50 | P01 |
| Configuration example 2: | DE | U | 50 | V | A | 50 | P01 |
| Configuration example 3: | DL | E | 20 | V | A | 71 | P01 |
| Configuration example 4: | DT | A | 20 | H | F | 70 | P01 |
| Configuration example 5: | DV | M | 20 | V |   |    | P01 |

| Type                                         | DE | DL | DT |
|----------------------------------------------|----|----|----|
| <b>A</b> Standard type                       | •  | •  | •  |
| <b>M</b> With wired electrical connection    | •  | -  | -  |
| <b>U</b> Standard type 210 bar, UL certified | •  | -  | -  |
| <b>E</b> For high power supply               | -  | •  | -  |
| <b>S</b> Compact version                     | •  | -  | -  |

| DV                            |
|-------------------------------|
| <b>A</b> With automatic reset |
| <b>M</b> With manual reset    |
| <b>S</b> With automatic reset |

| Pressure setting  | DEA | DEM | DEU | DES | DL | DT | DVA | DVM | DVS |
|-------------------|-----|-----|-----|-----|----|----|-----|-----|-----|
| <b>12</b> 1.2 bar | -   | -   | -   | •   | -  | -  | -   | -   | •   |
| <b>20</b> 2.0 bar | •   | •   | •   | -   | •  | •  | •   | •   | -   |
| <b>25</b> 2.5 bar | -   | -   | -   | •   | -  | -  | -   | -   | •   |

| Seals         | DEA | DEM | DEU | DES | DL | DT | DVA | DVM | DVS |
|---------------|-----|-----|-----|-----|----|----|-----|-----|-----|
| <b>H</b> HNBR | •   | •   | -   | •   | •  | •  | •   | •   | •   |
| <b>V</b> FPM  | •   | •   | •   | -   | •  | •  | •   | •   | -   |

| Thermostat                  | DEA | DEM | DEU | DES | DLA | DLE | DT |
|-----------------------------|-----|-----|-----|-----|-----|-----|----|
| <b>A</b> Without thermostat | •   | •   | •   | •   | •   | •   | -  |
| <b>F</b> With thermostat    | -   | •   | -   | -   | -   | •   | •  |

| Electrical connections                                                     | DEA | DEM | DEU | DES | DLA | DLE | DT |
|----------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|----|
| <b>10</b> Connection AMP Superseal series 1.5                              | -   | •   | -   | •   | -   | -   | -  |
| <b>20</b> Connection AMP Timer Junior                                      | -   | •   | -   | -   | -   | -   | -  |
| <b>30</b> Connection Deutsch DT-04-2-P                                     | -   | •   | -   | •   | -   | -   | -  |
| <b>35</b> Connection Deutsch DT-04-3-P                                     | -   | •   | -   | -   | -   | -   | -  |
| <b>50</b> Connection EN 175301-803                                         | •   | -   | •   | -   | -   | •   | -  |
| <b>51</b> Connection EN 175301-803, transparent base with lamps 24 Vdc     | -   | -   | -   | -   | •   | -   | -  |
| <b>52</b> Connection EN 175301-803, transparent base with lamps 110 Vdc    | -   | -   | -   | -   | •   | -   | -  |
| <b>70</b> Connection IEC 61076-2-101 D (M12)                               | -   | -   | -   | -   | -   | -   | •  |
| <b>71</b> Connection IEC 61076-2-101 D (M12), black base with lamps 24 Vdc | -   | -   | -   | -   | •   | -   | -  |
| <b>80</b> Connection Stud #10-32 UNF                                       | -   | -   | -   | •   | -   | -   | -  |

| Option                        |
|-------------------------------|
| <b>P01</b> MP Filtri standard |
| <b>Pxx</b> Customized         |

| Certifications             | DEU | OTHERS |
|----------------------------|-----|--------|
| Without                    | -   | •      |
| <b>UL</b> UL certification | •   | -      |

## PLUGS

| Series         |
|----------------|
| <b>T2</b> Plug |
| <b>T4</b> Plug |

| Seals         | T2 | T4 |
|---------------|----|----|
| <b>A</b> NBR  | -  | •  |
| <b>H</b> HNBR | •  | -  |
| <b>V</b> FPM  | •  | -  |

|                       |    |   |
|-----------------------|----|---|
| Configuration example | T2 | H |
|-----------------------|----|---|