MYCLEAN

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.**

MPTX series

with MYCLEAN 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 MPTX 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 MYCLEAN , AS OPTION, MPTX 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.

MPTX series

Maximum working pressure up to 800 kPa (8 bar) - Flow rate up to 300 l/min

MPTX GENERAL INFORMATION

Description

Return filter

Maximum working pressure up to 800 kPa (8 bar)
Flow rate up to 300 l/min

MPTX is a range of return filters with integrated breather filter, 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 1 1/4", for a maximum flow rate of 300 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 6 fixing holes for installation, to suit a variety of reservoir surfaces
- O-ring or Flat Seal to suit a variety of reservoir surfaces
- Screw-in cover with a special shape, to allow the filter element replacement without the use of specific tools
- 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)
- Integrated breather filter, to clean the air that moves into the reservoir as result of the oil level fluctuation
- Integrated breather filter with pressurization valve, to clean the air that moves into the reservoir as result of the oil level fluctuation and to guarantee the pressurization into the reservoir
- 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

Technical data

Filter housing materials
- Head: Aluminium
- Cover: Polyamide
- Bowl: Polyamide

Bypass valve
- Opening pressure 175 kPa (1.75 bar) ±10%
- Opening pressure 300 kPa (3 bar) ±10%

Δp 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
MPTX filters are provided for vertical mounting

Weights [kg] and volumes [dm³]

Filter series	Weights [kg]					Volumes [dm³]				
	Length	1	2	3	4	Length	1	2	3	4
MPTX 025		0.41	0.45	0.50	-		0.24	0.35	0.42	-
MPTX 027		0.44	0.48	0.55	-		0.24	0.35	0.42	-
MPTX 110		1.00	1.05	1.15	1.40		0.72	0.93	1.28	1.74
MPTX 114		1.10	1.15	1.25	1.50		0.72	0.93	1.28	1.74
MPTX 116		1.10	1.15	1.25	1.50		0.72	0.93	1.28	1.74
MPTX 120		1.00	1.05	1.15	1.40		0.72	0.93	1.28	1.74

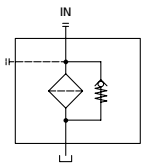
Flow rates [l/min]

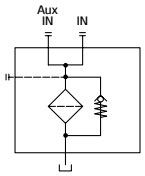
Filter series	Length	Filter element design - H series					Filter element design - N series		
		A03	A06	A10	A16	A25	M25 M60 M90	P10	P25
MPTX 025-027	**1**	7	10	23	28	42	59	51	54
	2	17	20	45	48	56	72	64	67
	3	21	24	50	55	59	76	74	75
MPTX 110-120 114-116	**1**	18	20	53	56	65	153	87	96
	2	28	38	65	75	95	158	111	123
	3	48	55	125	135	169	289	224	251
	4	79	89	180	185	198	306	264	289

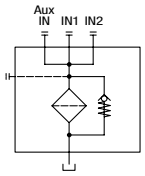
Maximum flow rate for a complete return filter with a pressure drop Δp = 0.5 bar.
The reference fluid has a kinematic viscosity of 30 mm^2/s (cSt) and a density of 0.86 kg/dm^3.
For different pressure drop or fluid viscosity we recommend to use our selection software available on www.mpfiltri.com.
You 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	Style 3 connections
MPTX 025	•	-	-
MPTX 027	•	-	-
MPTX 110	-	•	-
MPTX 114	•	-	-
MPTX 116	•	-	-
MPTX 120	-	-	•

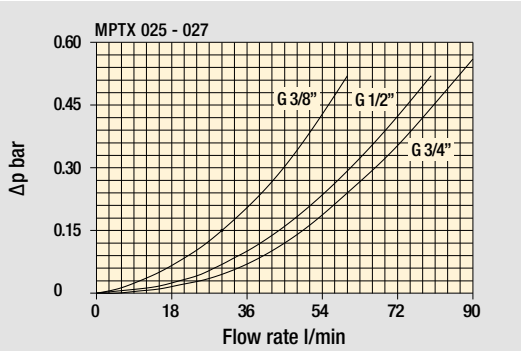


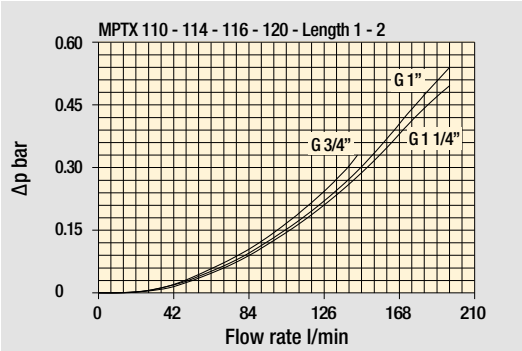


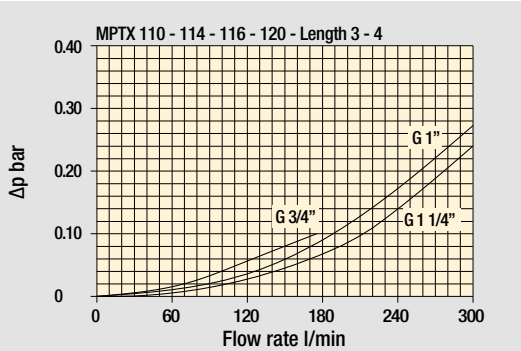


Pressure drop

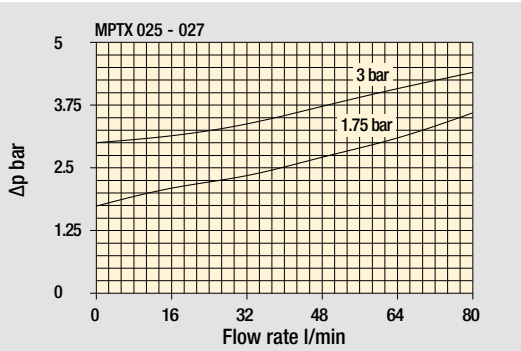
Filter housings Δp pressure drop

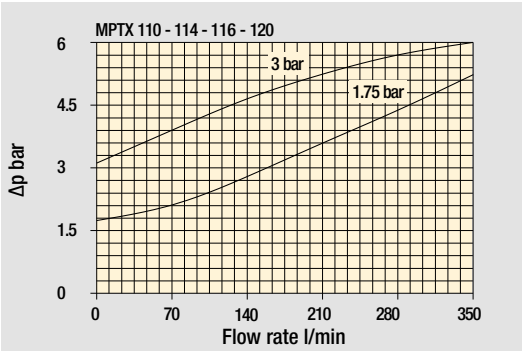




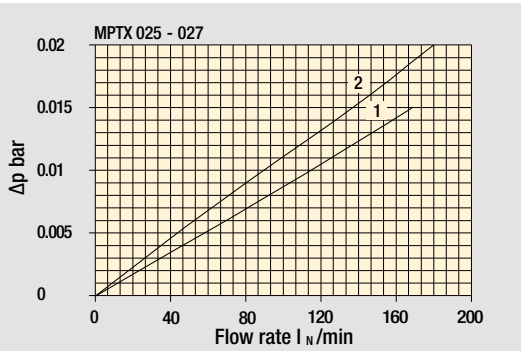


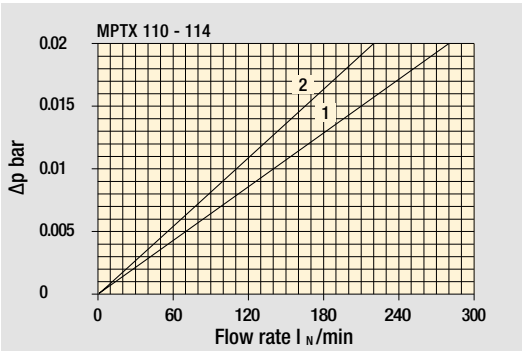
Bypass valve pressure drop





Air breather pressure drop





1 C With air breather 10 µm

2 D With anti-splash and SAP50 10 µm

The curves are plotted using mineral oil with density of 0.86 kg/dm³ in compliance with ISO 3968. Δp varies proportionally with density.

Multifunction

MPTX 025 -027		
Air breather port plugged Indicator port	Air breather standard Indicator port	Anti-splash air breather & pressurized Double indicator port
		

Multiport - Multifunction

MPTX 110	
Standard - Single IN Port	Double IN Port - Double indicator port
	
Double IN Port Option: double drain port	Double IN Port - Indicator port Option: drain port
	

MPTX 120
Triple IN port Option: double drain port


MPTX MPTX025 - MPTX027

Designation & Ordering code

COMPLETE FILTER

Configuration example 1:	MPTX025	1	S	A	G3	A10	E	P01
Configuration example 2:	MPTX027	3	C	W	G6	A03	B	P01

Series and size

MPTX025 | **MPTX027** Filter featuring MYCLEAN Filter Element

Length

1 | **2** | **3**

Air breather

S	Without air breather
C	With air breather 10 µm
D	With anti-splash and air breather SAP050 10 µm
P	With anti-splash and air breather SAP050 10 µm, pressurization 0.5 bar

Seals and treatments

		Filtration rating Axx	Mxx	Pxx
A	NBR	•	•	•
V	FPM	•	•	•
W	NBR head anodized	•	•	-
Z	FPM head anodized	•	•	-

Connections

G1	G 3/8”	**G6**	3/4” NPT
G2	G 1/2”	**G7**	SAE 6 - 9/16” - 18 UNF
G3	G 3/4”	**G8**	SAE 8 - 3/4” - 16 UNF
G4	3/8” NPT	**G9**	SAE 12 - 1 1/16” - 12 UN
G5	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

Bypass valve

E	3 bar
B	1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

FILTER ELEMENT

Configuration example 2:	MFX020	1	A10	H	B	E	P01
Configuration example 1:	MFX020	3	A03	N	B		P01

Element series and size

MFX020 Filter Element with MYCLEAN feature

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 Axx	Mxx	Pxx
N	10 bar	-	•	•
H	10 bar	•	-	-

Seals

B	NBR
V	FPM

Bypass valve

E	3 bar
-	1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

CLOGGING INDICATORS

See page 716-717

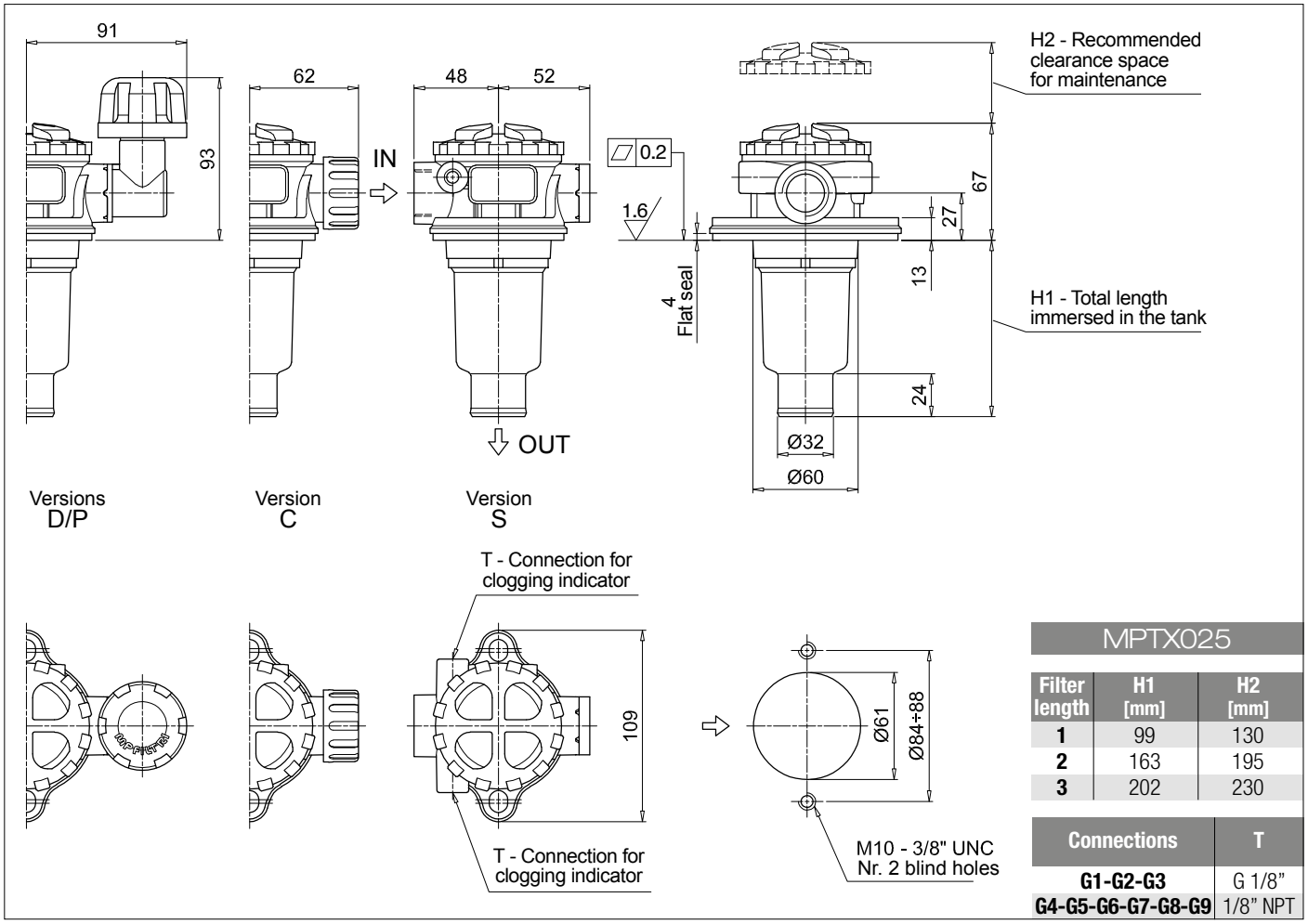
BVA	Axial pressure gauge	**BEA**	Electrical pressure indicator
BVR	Radial pressure gauge	**BEM**	Electrical pressure indicator
BVP	Visual pressure indicator with automatic reset	**BLA**	Electrical / visual pressure indicator
BVQ	Visual pressure indicator with manual reset		

ADDITIONAL FEATURES

See page 268

TE	Extension tube
DPT	Dipstick

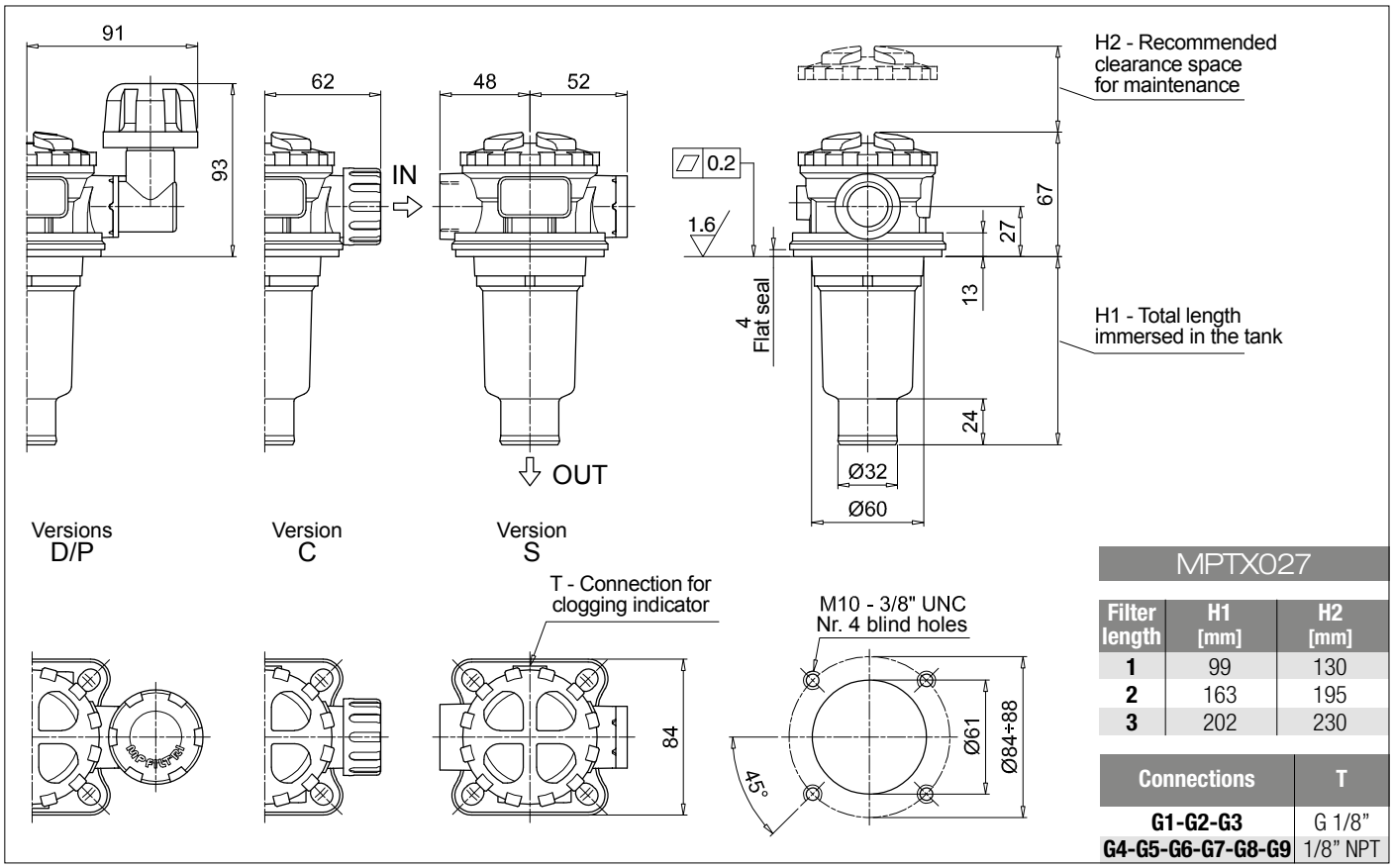
Dimensions



MPTX025

Filter length	H1 [mm]	H2 [mm]
1	99	130
2	163	195
3	202	230

Connections	T
G1-G2-G3	G 1/8"
G4-G5-G6-G7-G8-G9	1/8" NPT



MPTX027

Filter length	H1 [mm]	H2 [mm]
1	99	130
2	163	195
3	202	230

Connections	T
G1-G2-G3	G 1/8"
G4-G5-G6-G7-G8-G9	1/8" NPT

MPTX MPTX110

Designation & Ordering code

COMPLETE FILTER

Configuration example 1:	MPTX110	1	S	A	G1	0	A06	E	P01
Configuration example 2:	MPTX110	3	P	V	G4	1	M25	B	P01

Series and size

MPTX110 Filter featuring MYCLEAN Filter Element

Length

1 | **2** | **3** | **4**

Air breather

S	Without air breather
C	With air breather 10 µm
D	With anti-splash and air breather SAP050 10 µm
P	With anti-splash and air breather SAP050 10 µm, pressurization 0.5 bar

Seals and treatments		Filtration rating Axx	Mxx	Pxx
A	NBR	•	•	•
V	FPM	•	•	•
W	NBR head anodized	•	•	-
Z	FPM head anodized	•	•	-

Main Connections		Aux size 1	Aux size 2
G1	G 3/4"	G 3/8"	G 1/2"
G2	G 1"		
G3	G 1 1/4"		
G4	3/4" NPT	3/8" NPT	1/2" NPT
G5	1" NPT		

Main Connections		Aux size 1	Aux size 2
G6	1 1/4" NPT	3/8" NPT	1/2" NPT
G7	SAE 12 - 1 1/16" - 12 UN	SAE 6 - 9/16" - 18 UNF	SAE 8 - 3/4" - 16 UNF
G8	SAE 16 - 1 5/16" - 12 UN		
G9	SAE 20 - 1 5/8" - 12 UN		

Aux connection - see previous table

0	Not machined	**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

Bypass valve

E	3 bar
B	1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

FILTER ELEMENT

Configuration example 1:	MFX100	1	A06	H	B	E	P01
Configuration example 2:	MFX100	3	M25	N	V		P01

Element series and size

MFX100 Filter Element with MYCLEAN feature

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

B	NBR
V	FPM

Bypass valve

E	3 bar
-	1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

CLOGGING INDICATORS

See page 716-717

BVA	Axial pressure gauge	**BEA**	Electrical pressure indicator
BVR	Radial pressure gauge	**BEM**	Electrical pressure indicator
BVP	Visual pressure indicator with automatic reset	**BLA**	Electrical / visual pressure indicator
BVQ	Visual pressure indicator with manual reset		

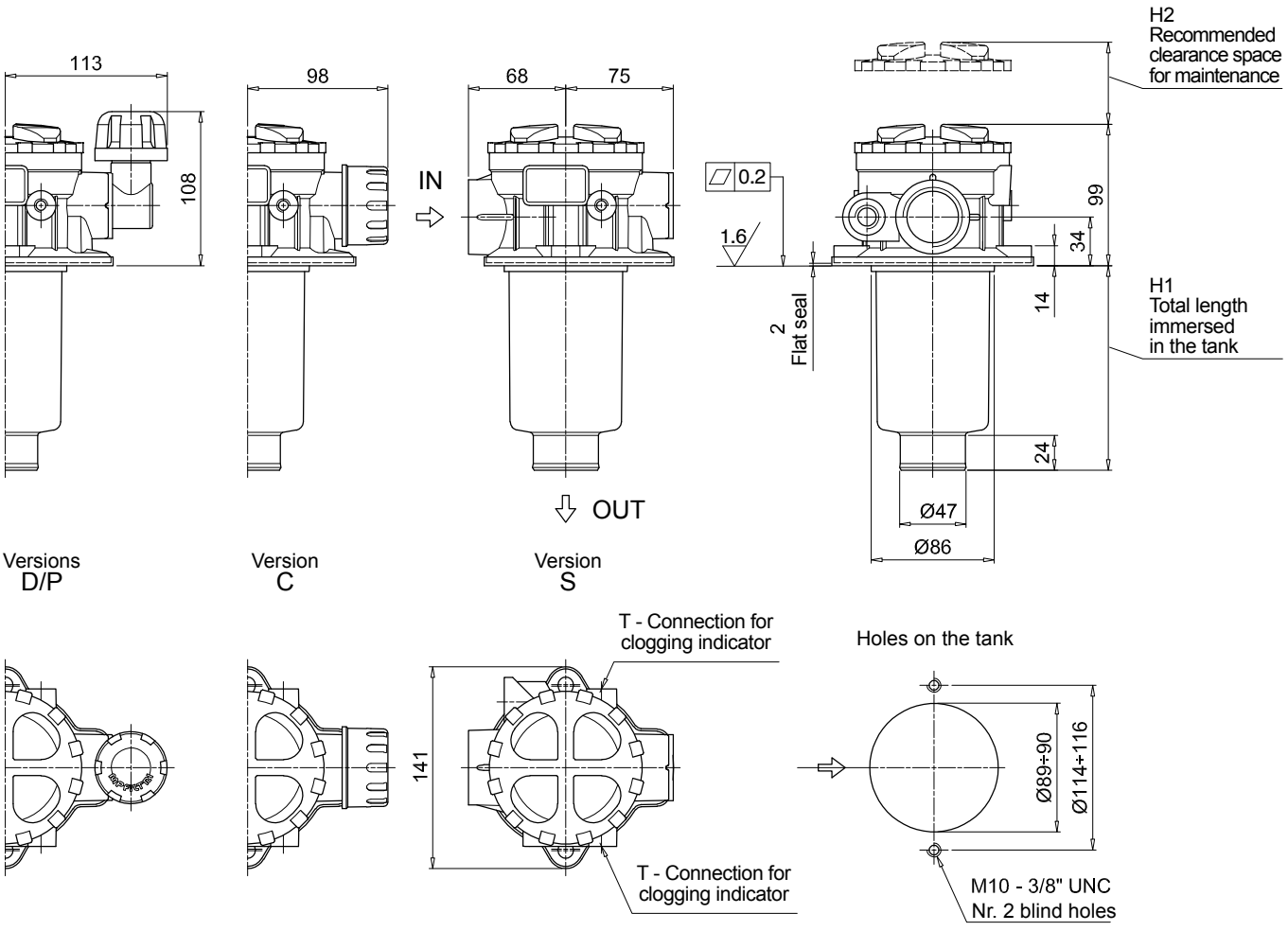
ADDITIONAL FEATURES

See page 268

TE	Extension tube	**DPT**	Dipstick
DFS	Diffuser with fast lock connection		

MPTX110		
Filter length	**H1 [mm]**	**H2 [mm]**
1	99	120
2	144	170
3	222	250
4	324	350

Connections	T
G1-G2-G3	G 1/8"
G4-G5-G6-G7-G8-G9	1/8" NPT



Designation & Ordering code

COMPLETE FILTER

Configuration example 1:	MPTX114	4	S	A	G3	A10	E	P01
Configuration example 2:	MPTX114	3	C	W	G6	A03	B	P01

Series and size

MPTX114 Filter featuring MYCLEAN Filter Element

Length

1 | **2** | **3** | **4**

Air breather

S	Without air breather
C	With air breather 10 µm
D	With anti-splash and air breather SAP050 10 µm
P	With anti-splash and air breather SAP050 10 µm pressurization 0.5 bar

Seals and treatments		Filtration rating Axx	Mxx	Pxx
A	NBR	•	•	•
V	FPM	•	•	•
W	NBR head anodized	•	•	-
Z	FPM head anodized	•	•	-

Connections

G1	G 3/4”	**G6**	1 1/4” NPT
G2	G 1”	**G7**	SAE 12 - 1 1/16” - 12 UN
G3	G 1 1/4”	**G8**	SAE 16 - 1 5/16” - 12 UN
G4	3/4” NPT	**G9**	SAE 20 - 1 5/8” - 12 UN
G5	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

Bypass valve

E	3 bar
B	1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

FILTER ELEMENT

Configuration example 2:	MFX100	4	A10	H	B	E	P01
Configuration example 1:	MFX100	3	A03	N	B		P01

Element series and size

MFX100 Filter Element with MYCLEAN feature

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

B	NBR
V	FPM

Bypass valve

E	3 bar
-	1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

CLOGGING INDICATORS

See page 716-717

BVA	Axial pressure gauge	**BEA**	Electrical pressure indicator
BVR	Radial pressure gauge	**BEM**	Electrical pressure indicator
BVP	Visual pressure indicator with automatic reset	**BLA**	Electrical / visual pressure indicator
BVQ	Visual pressure indicator with manual reset		

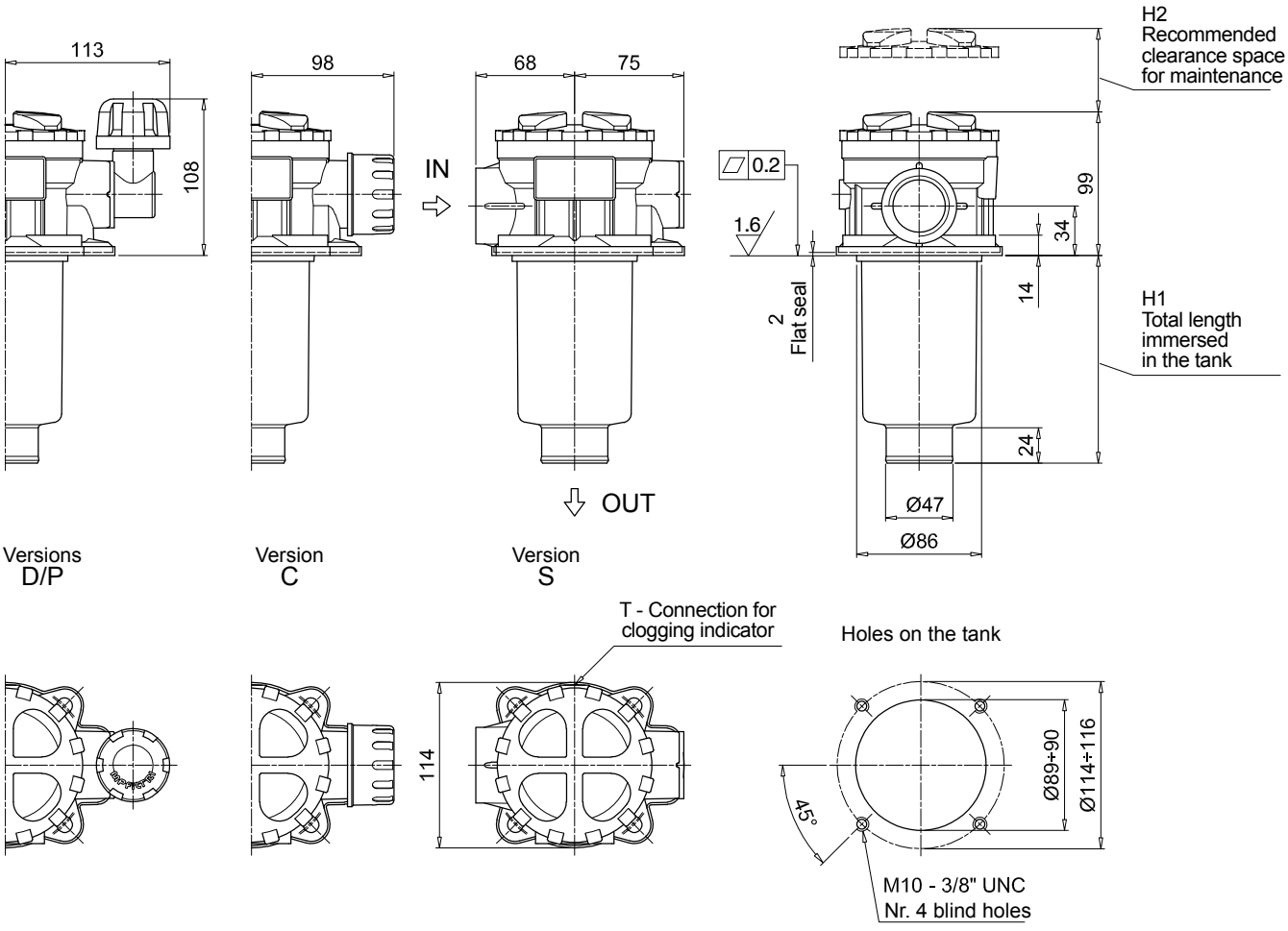
ADDITIONAL FEATURES

See page 268

TE	Extension tube	**DPT**	Dipstick
DFS	Diffuser with fast lock connection		

MPTX114		
Filter length	**H1 [mm]**	**H2 [mm]**
1	99	120
2	144	170
3	222	250
4	324	350

Connections	T
G1-G2-G3	G 1/8"
G4-G5-G6-G7-G8-G9	1/8" NPT



MPTX MPTX116

Designation & Ordering code

COMPLETE FILTER

Configuration example 1:	MPTX116	1	S	A	G1	M90	E	P01
Configuration example 2:	MPTX116	2	S	Z	G9	A03	B	P01

Series and size

MPTX116 Filter featuring MYCLEAN Filter Element

Length

1 | **2** | **3** | **4**

Air breather

S Without air breather

Seals and treatments	Filtration rating Axx	Mxx	Pxx
A NBR	•	•	•
V FPM	•	•	•
W NBR head anodized	•	•	-
Z FPM head anodized	•	•	-

Flat seal on the head on request

Connections

G1	G 3/4”	**G6**	1 1/4” NPT
G2	G 1”	**G7**	SAE 12 - 1 1/16” - 12 UN
G3	G 1 1/4”	**G8**	SAE 16 - 1 5/16” - 12 UN
G4	3/4” NPT	**G9**	SAE 20 - 1 5/8” - 12 UN
G5	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

Bypass valve

E	3 bar
B	1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

FILTER ELEMENT

Configuration example 2:	MFX100	1	M90	N	B	E	P01
Configuration example 1:	MFX100	2	A03	H	V		P01

Element series and size

MFX100 Filter Element with MYCLEAN feature

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

B	NBR
V	FPM

Bypass valve

E	3 bar
-	1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

CLOGGING INDICATORS

See page 716-717

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

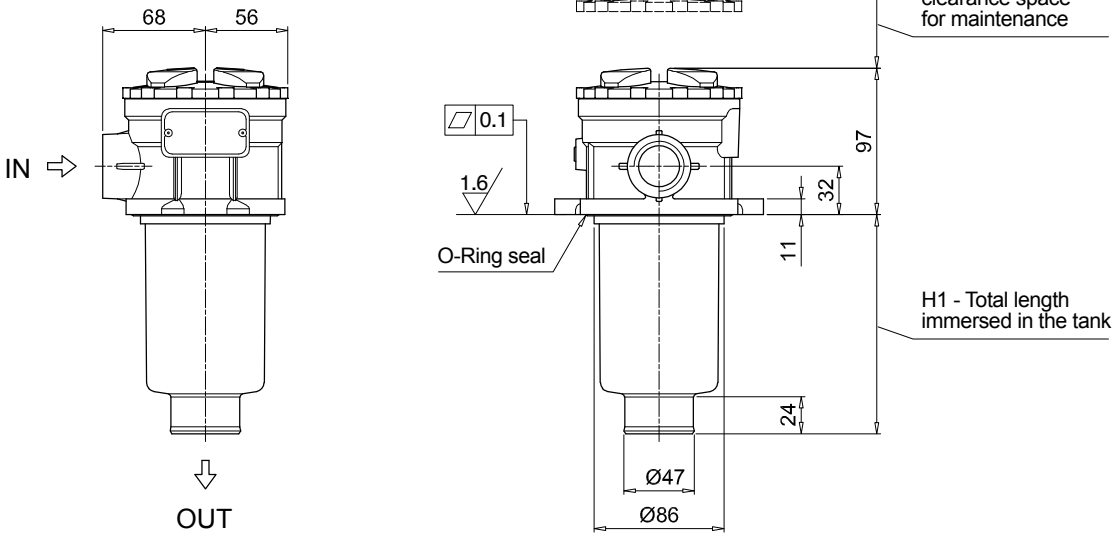
ADDITIONAL FEATURES

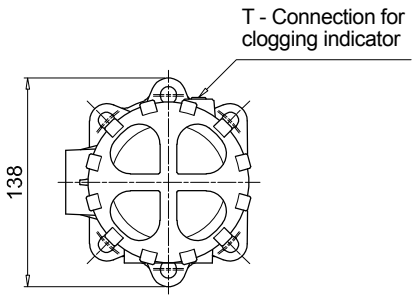
See page 268

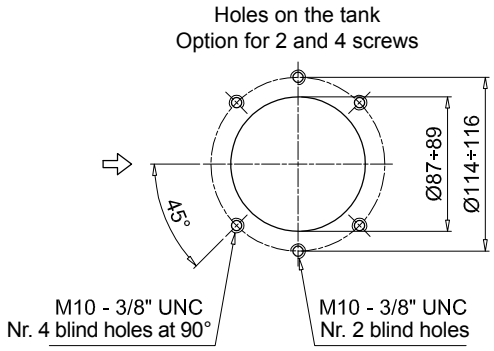
TE	Extension tube
DFS	Diffuser with fast lock connection
DPT	Dipstick

MPTX116		
Filter length	**H1 [mm]**	**H2 [mm]**
1	99	120
2	146	170
3	224	250
4	326	350

Connections	T
G1-G2-G3	G 1/8"
G4-G5-G6-G7-G8-G9	1/8" NPT







Designation & Ordering code

COMPLETE FILTER

Configuration example 1:	MPTX120	1	A	G1	0	A06	E	P01
Configuration example 2:	MPTX120	3	V	G4	1	M25	B	P01

Series and size

MPTX120 Filter featuring MYCLEAN Filter Element

Length

1 | **2** | **3** | **4**

Seals and treatments

		Filtration rating Axx	Mxx	Pxx
A	NBR	•	•	•
V	FPM	•	•	•
W	NBR head anodized	•	•	-
Z	FPM head anodized	•	•	-

Main Connections		Rear connections	Aux size 1	Aux size 2
G1	G 3/4”	G 3/4”	G 3/8”	G 1/2”
G2	G 1”	G 1”		
G3	G 1 1/4”	G 3/4”		
G4	3/4” NPT	3/4” NPT	3/8” NPT	1/2” NPT
G5	1” NPT	1” NPT		
G6	1 1/4” NPT	3/4” NPT		
G7	SAE 12 - 1 1/16” - 12 UN	SAE 12 - 1 1/16” - 12 UN	SAE 6 - 9/16” - 18 UNF	SAE 8 - 3/4” - 16 UNF
G8	SAE 16 - 1 5/16” - 12 UN	SAE 16 - 1 5/16” - 12 UN		
G9	SAE 20 - 1 5/8” - 12 UN	SAE 12 - 1 1/16” - 12 UN		

Aux connection - see previous table

0 Not machined **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

Bypass valve

E 3 bar

B 1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

FILTER ELEMENT

Configuration example 1:	MFX100	1	A06	H	B	E	P01
Configuration example 2:	MFX100	3	M25	N	V		P01

Element series and size

MFX100 Filter Element with MYCLEAN feature

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

B NBR

V FPM

Bypass valve

E 3 bar

- 1.75 bar

Executions

Base	zerospark	
P01	**Z01** *	MP Filtri standard
Pxx	**Zxx** *	Customized

* Not for Mxx filter media

CLOGGING INDICATORS

See page 716-717

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

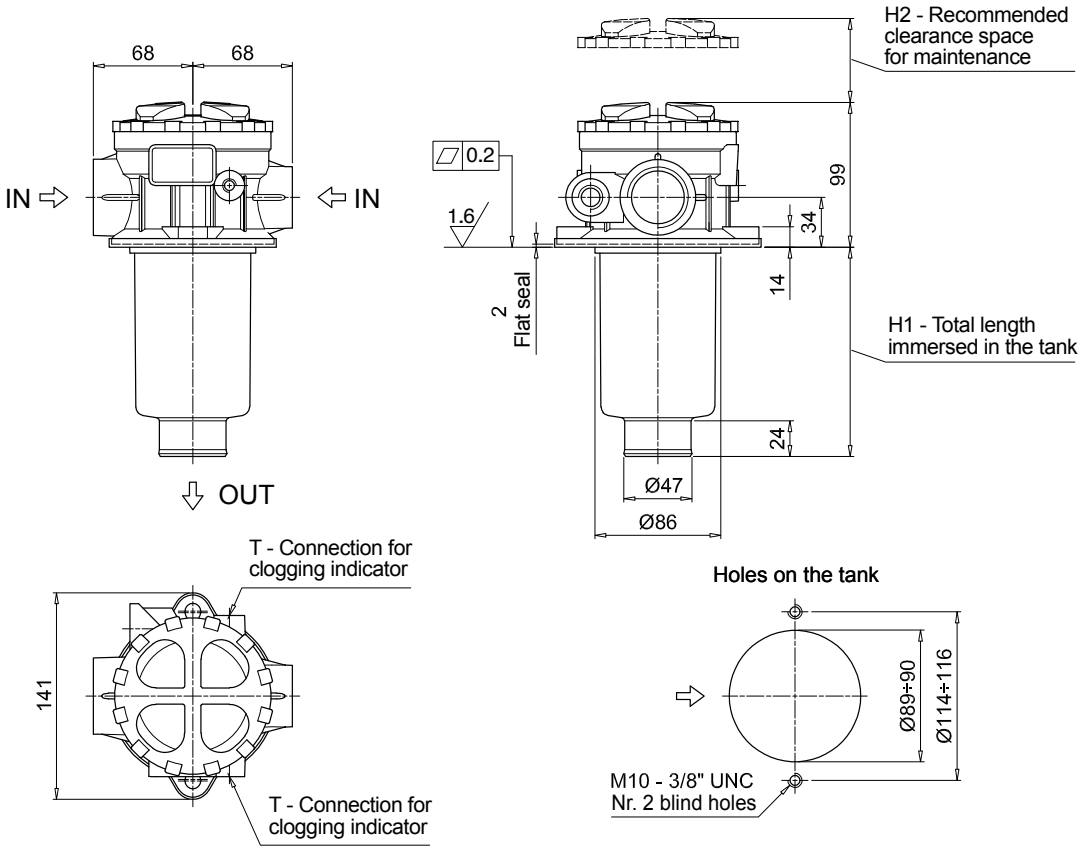
TE Extension tube

DFS Diffuser with fast lock connection

DPT Dipstick

MPTX120		
Filter length	**H1 [mm]**	**H2 [mm]**
1	99	120
2	144	170
3	222	250
4	324	350

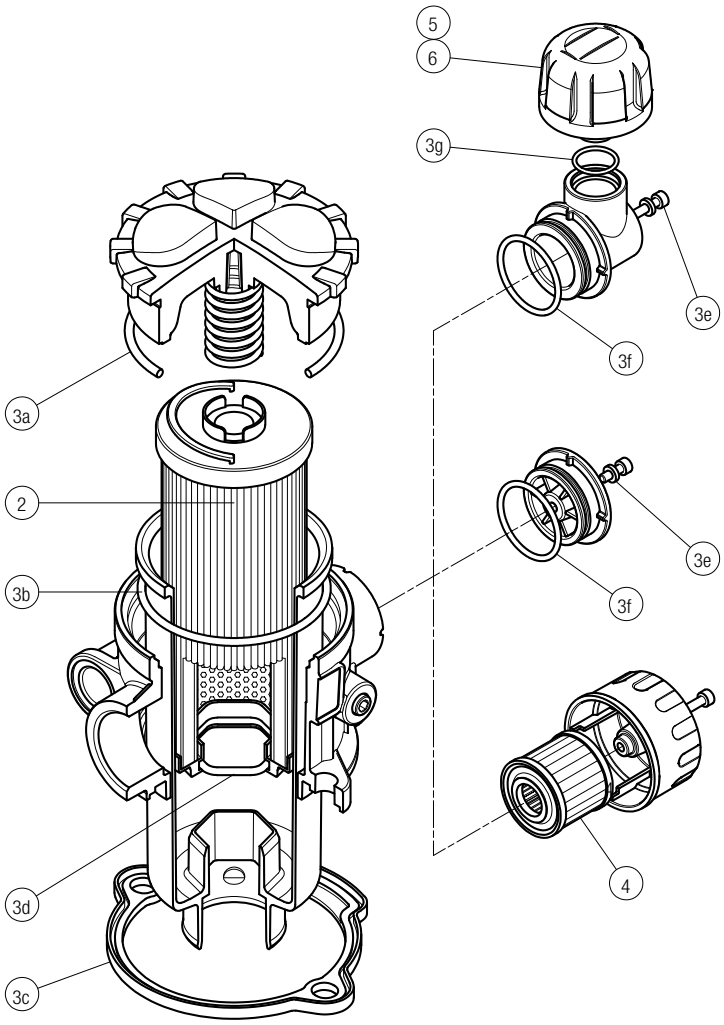
Connections	T
G1-G2-G3	G 1/8"
G4-G5-G6-G7-G8-G9	1/8" NPT



MPTX SPARE PARTS

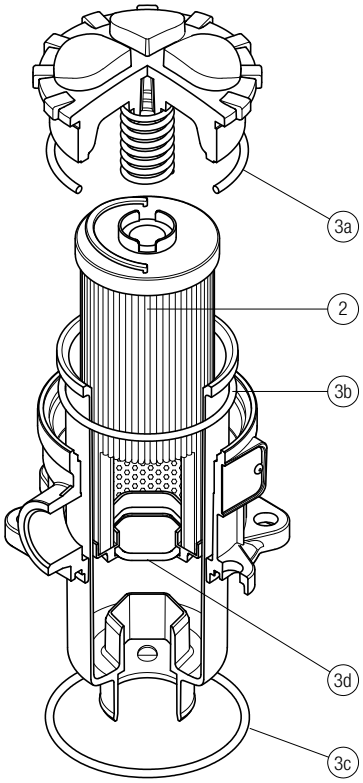
Order number for spare parts

MPTX 025 - 027 - 110



Item:	Q.ty: 1 pc. 2	Q.ty: 1 pc. 3 (3a ÷ 3g)		Q.ty: 1 pc. 4	Q.ty: 1 pc. 5	Q.ty: 1 pc. 6
Filter series	**Filter element**	**Seal Kit code number**		**Air breather filter element - version:**		
		NBR	**FPM**	**C**	**D**	**P**
MPTX 025	See order table	02050701	02050702	10 µm A3L03	10 µm SAP50G3L03A0P01	10 µm SAP50G3L03A1P01
MPTX 027		02050703	02050704	10 µm A3L03	10 µm SAP50G3L03A0P01	10 µm SAP50G3L03A1P01
MPTX 110		02050709	02050710	10 µm A5L03	10 µm SAP50G3L03A0P01	10 µm SAP50G3L03A1P01

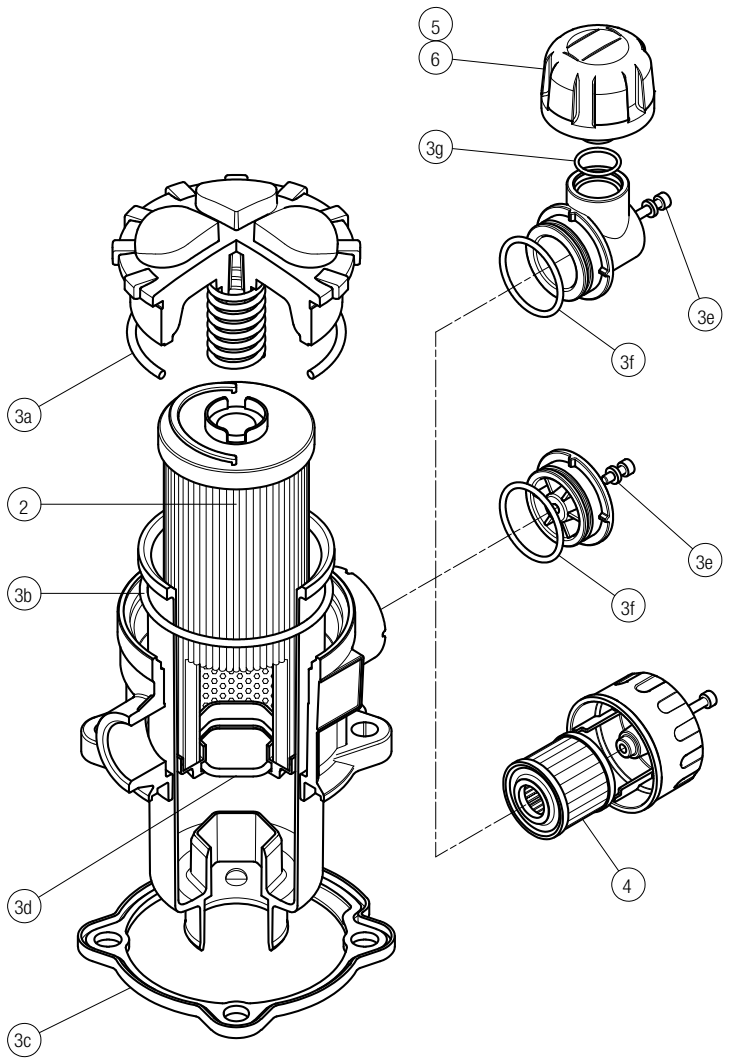
MPTX 116



Item:	Q.ty: 1 pc. 2	Q.ty: 1 pc. 3 (3a ÷ 3d)	
Filter series	**Filter element**	**Seal Kit code number**	
		NBR	**FPM**
MPTX 116	See order table	02050737	02050738

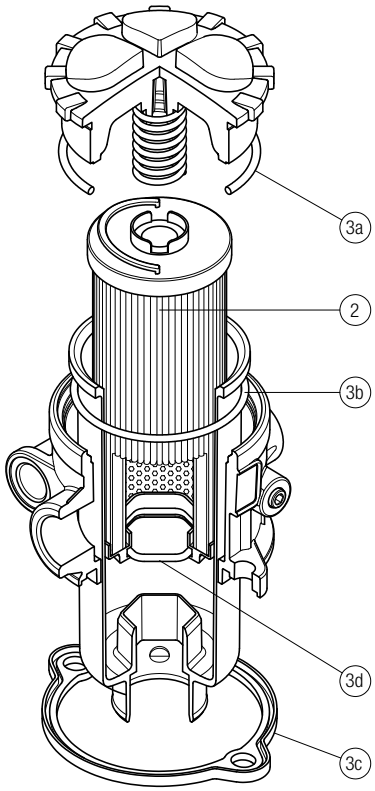
Order number for spare parts

MPTX 114



Item:	Q.ty: 1 pc. 2	Q.ty: 1 pc. 3 (3a ÷ 3g)		Q.ty: 1 pc. 4	Q.ty: 1 pc. 5	Q.ty: 1 pc. 6
Filter series	Filter element	Seal Kit code number NBR	FPM	Air breather filter element - version: C	D	P
MPTX 114	See order table	02050707	02050708	10 µm A5L03	10 µm SAP50G3L03A0P01	10 µmm SAP50G3L03A1P01

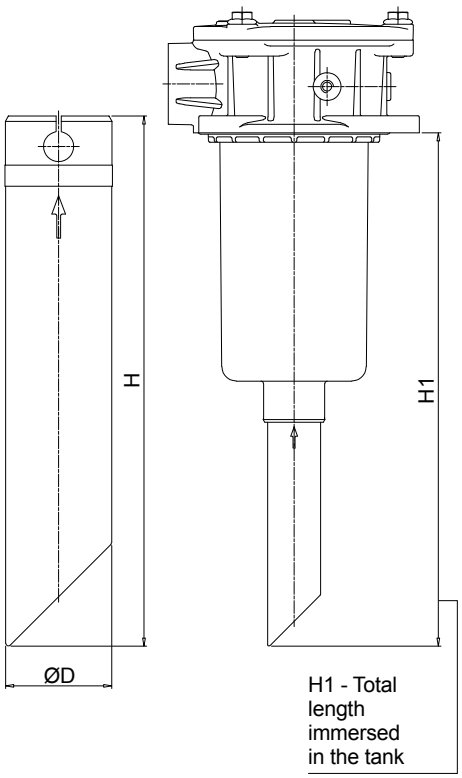
MPTX 120



Item:	Q.ty: 1 pc. 2	Q.ty: 1 pc. 3 (3a ÷ 3d)	
Filter series	Filter element	Seal Kit code number NBR	FPM
MPTX 120	See order table	02050711	02050712

Accessories

POLYAMIDE EXTENSION TUBE



Configuration example: TE | 40 | A | 250

Series
TE

Size	ø D [mm]
25	25
32	32
40	40

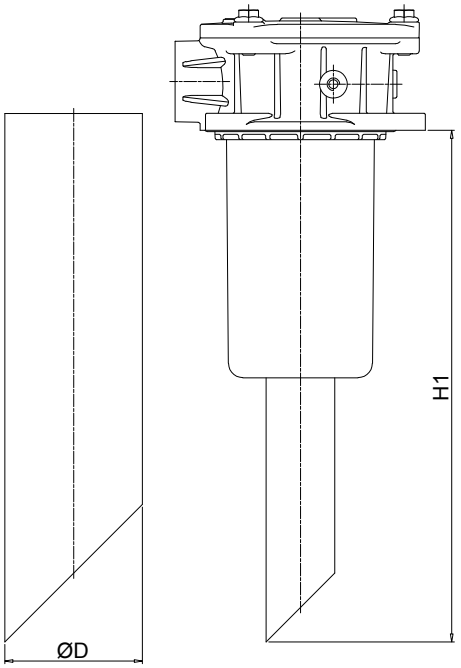
Material	
A	Polyamide

Length	H [mm]
200	200
250	250
300	300
350	350
400	400
450	450
500	500

COMPATIBILITY TABLE

Filter series	Filter size			Filter length	TE25	TE32	TE40	Tube length H1 [mm] 200	250	300	350	400	450	500
MPF - MPFX	30			1	•	-	-	266	316	366	416	466	516	566
MPF	100	104	110	1	-	•	-	275	325	375	425	475	525	575
				2				322	372	422	472	522	572	622
				3	-	-	•	400	450	500	550	600	650	700
				4				502	552	602	652	702	752	802
MPFX	100	104	110	1	-	-	•	277	327	377	427	477	527	577
				2				322	372	422	472	522	572	622
				3				400	450	500	550	600	650	700
				4				502	552	602	652	702	752	802
MPF MPFX	181	182	184	1	-	-	•	410	460	510	560	610	660	710
				2				623	673	723	773	823	873	923
MPT MPTX	025		027	1	•	-	-	278	328	378	428	478	528	578
				2				342	392	442	492	542	592	642
				3				380	430	480	530	580	630	680
MPT	110	114	116	120	1	-	•	-	273	323	373	423	473	523	573
					2				320	370	420	470	520	570	620
					3	-	-	•	396	446	496	546	596	646	696
					4				498	548	598	648	698	748	798
MPTX	110	114	116	120	1	-	-	•	273	323	373	423	473	523	573
					2				318	368	418	468	518	568	618
					3				396	446	496	546	596	656	696
					4				498	548	598	648	698	748	798

STEEL EXTENSION TUBE



Configuration example:

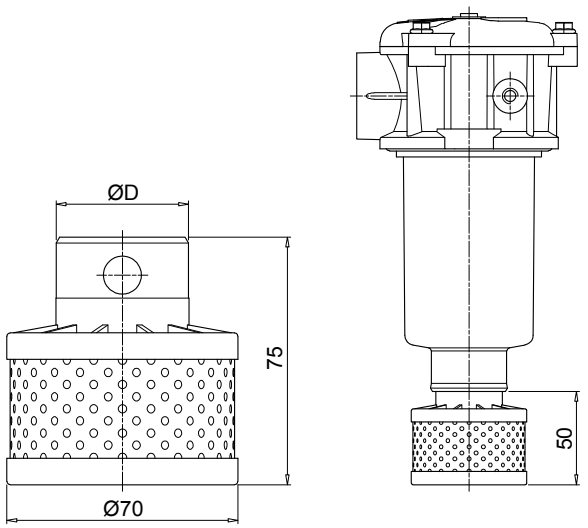
MPF191 | 2 | A | F1 | A10 | H | B | S60

Length	H1 [mm]
S30	300
S35	350
S40	400
S45	450
S50	500
S60	600
S70	700
S80	800
S90	900

COMPATIBILITY TABLE

Filter series	Filter size				Filter length	ø D [mm] 52	65
MPF	191	192	194		2	•	-
	400	410	450	451	1	•	-
					2	-	•
					3		
	750				1	-	•

DIFFUSER WITH FAST LOCK CONNECTION



Configuration example: DFS | 32 | A | 075

Series
DFS

Size	ø D [mm]
32	32
40	40

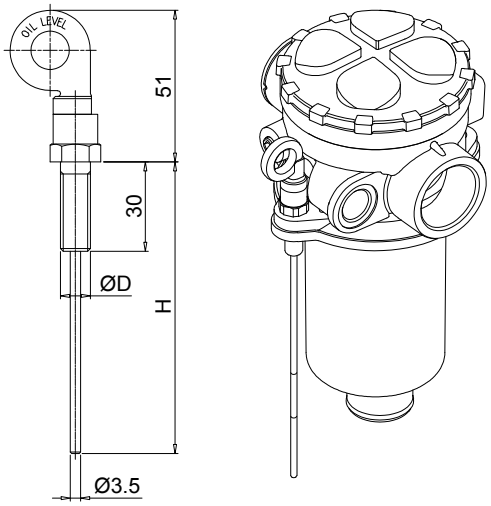
Version	
A	Standard

Length	
075	Standard

COMPATIBILITY TABLE

Filter series	Filter size				Filter Length	DFS32	DFS40
MPF	100	104	110		1	•	-
					2		
					3	-	•
					4		
MPFX	100	104	110		1	-	•
					2		
					3		
					4		
MPT	110	114	116	120	1	•	-
					2		
					3	-	•
					4		
MPTX	110	114	116	120	1	-	•
					2		
					3		
					4		

DIPSTICK



Materials
- Screw: phosphatized steel
- Stick: phosphatized steel
- Handle: Polyamide

Technical data
Working temperature: from -25 °C to +110 °C

Configuration example: DPT | 20 | M10 | A | P01

Series
DPT

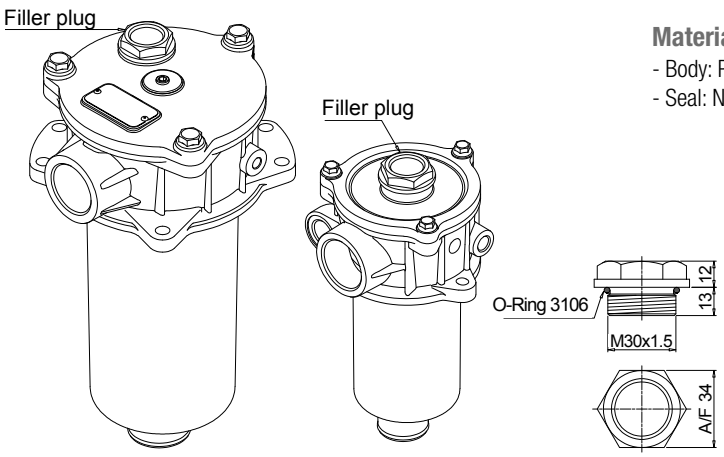
Length	H [mm]
15	134
20	184
25	234
30	284
35	334

Fastening	
M8	Fastening with screws ø D = M8
M10	Fastening with screws ø D = M10

Seals	
A	NBR
V	FPM

Execution	
P01	MP Filtri standard
Pxx	Customized

FILLER PLUG



Materials
- Body: Polyamide
- Seal: NBR

Technical data
Tightening torque:
15 N·m

For any further information, please, contact our commercial dept.

Designation & Ordering code

BAROMETRIC (PRESSURE) INDICATORS

Configuration example 1:	BE	A	15	H	A	41	P01	EX
Configuration example 2:	BL	A	20	H	A	71	P01	
Configuration example 3:	BV	R	14				P01	
Configuration example 4:	BV	P	20	H			P01	

Series

BE Electrical pressure indicator
BL Electrical/Visual pressure indicator
BV Visual pressure indicator

Type	BE	BL
A Standard type	•	•
M With wired electrical connection	•	-
T With thermal switch	•	-

BV	
A	Axial connection pressure gauge
R	Radial connection pressure gauge
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	
DE	Electrical differential pressure indicator
DL	Electrical/Visual differential pressure indicator
DT	Electrical differential pressure indicator
DV	Visual differential pressure indicator

Configuration example 1:	DE	M	20	H	F	50	P01	
Configuration example 2:	DE	U	50	H	A	50	P01	UL
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
A Standard type	•	•	•
M With wired electrical connection	•	-	-
U Standard type 210 bar, UL certified	•	-	-
E For high power supply	-	•	-
S Compact version	•	-	-

DV	
A	With automatic reset
M	With manual reset
S	With automatic reset

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

Seals	DEA	DEM	DEU	DES	DL	DT	DVA	DVM	DVS
H HNBR	•	•	-	•	•	•	•	•	•
V FPM	•	•	•	-	•	•	•	•	-

Thermostat	DEA	DEM	DEU	DES	DLA	DLE	DT
A Without thermostat	•	•	•	•	•	•	-
F With thermostat	-	•	-	-	-	•	•

Electrical connections	DEA	DEM	DEU	DES	DLA	DLE	DT
10 Connection AMP Superseal series 1.5	-	•	-	•	-	-	-
20 Connection AMP Timer Junior	-	•	-	-	-	-	-
30 Connection Deutsch DT-04-2-P	-	•	-	•	-	-	-
35 Connection Deutsch DT-04-3-P	-	•	-	-	-	-	-
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	-	-	-	-	•	-	-
70 Connection IEC 61076-2-101 D (M12)	-	-	-	-	-	-	•
71 Connection IEC 61076-2-101 D (M12), black base with lamps 24 Vdc	-	-	-	-	•	-	-
80 Connection Stud #10-32 UNF	-	-	-	•	-	-	-

Option	
P01	MP Filtri standard
Pxx	Customized

Certifications	DEU	OTHERS
Without	-	•
UL UL certification	•	-

PLUGS

Series	
T2	Plug
T4	Plug

Configuration example	T2	H

Seals	T2	T4
A NBR	-	•
H HNBR	•	-
V FPM	•	-