



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  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  , 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



Description

Technical data

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

Filter housing materials

- Head: Aluminium
- Cover: Polyamide
- Bowl: Polyamide

Bypass valve

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

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 [dm ³]				
	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 $\Delta p = 0.5$ bar.

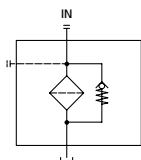
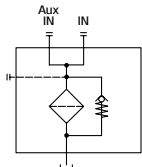
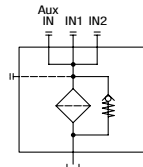
The reference fluid has a kinematic viscosity of 30 mm²/s (cSt) and a density of 0.86 kg/dm³.

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

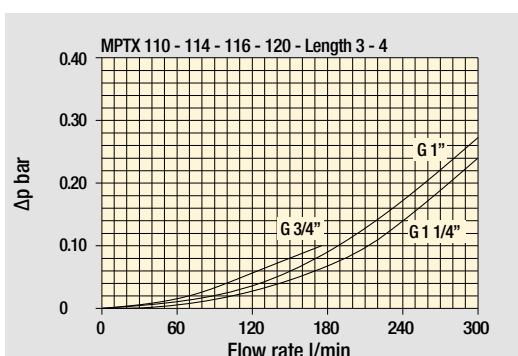
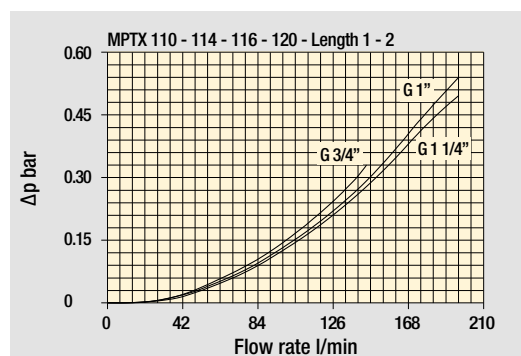
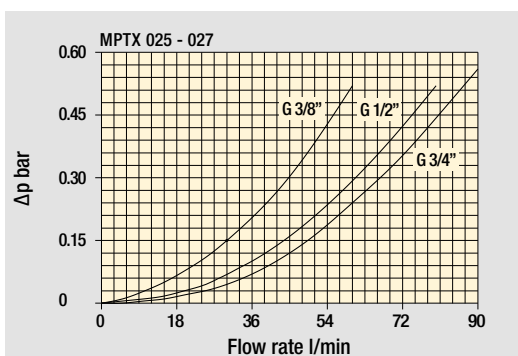
Filter series	Style 1 connection	Style 2 connections	Style 3 connections
MPTX 025	•	-	-
MPTX 027	•	-	-
MPTX 110	-	•	-
MPTX 114	•	-	-
MPTX 116	•	-	-
MPTX 120	-	-	•

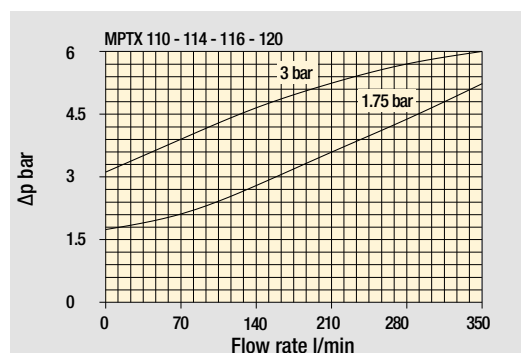
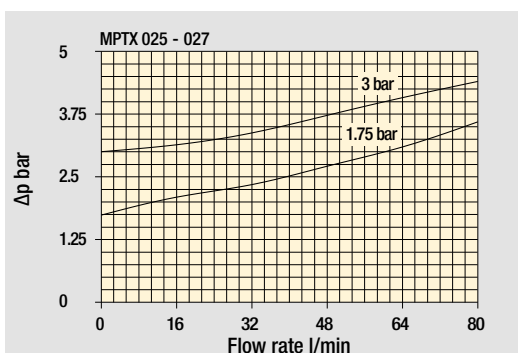
MPTX GENERAL INFORMATION

Pressure drop

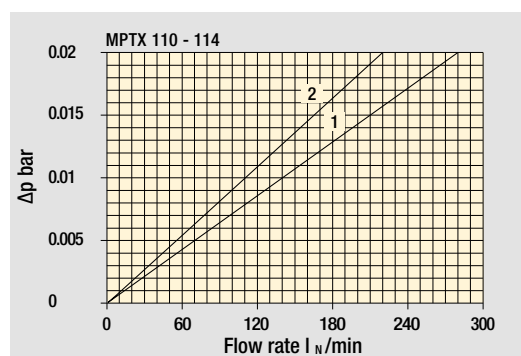
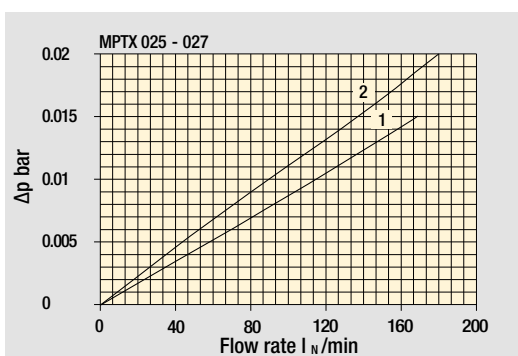
Filter housings Δp pressure drop



Bypass valve pressure drop



Air breather pressure drop



- 1 ☐ With air breather 10 μm
- 2 ☐ 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.

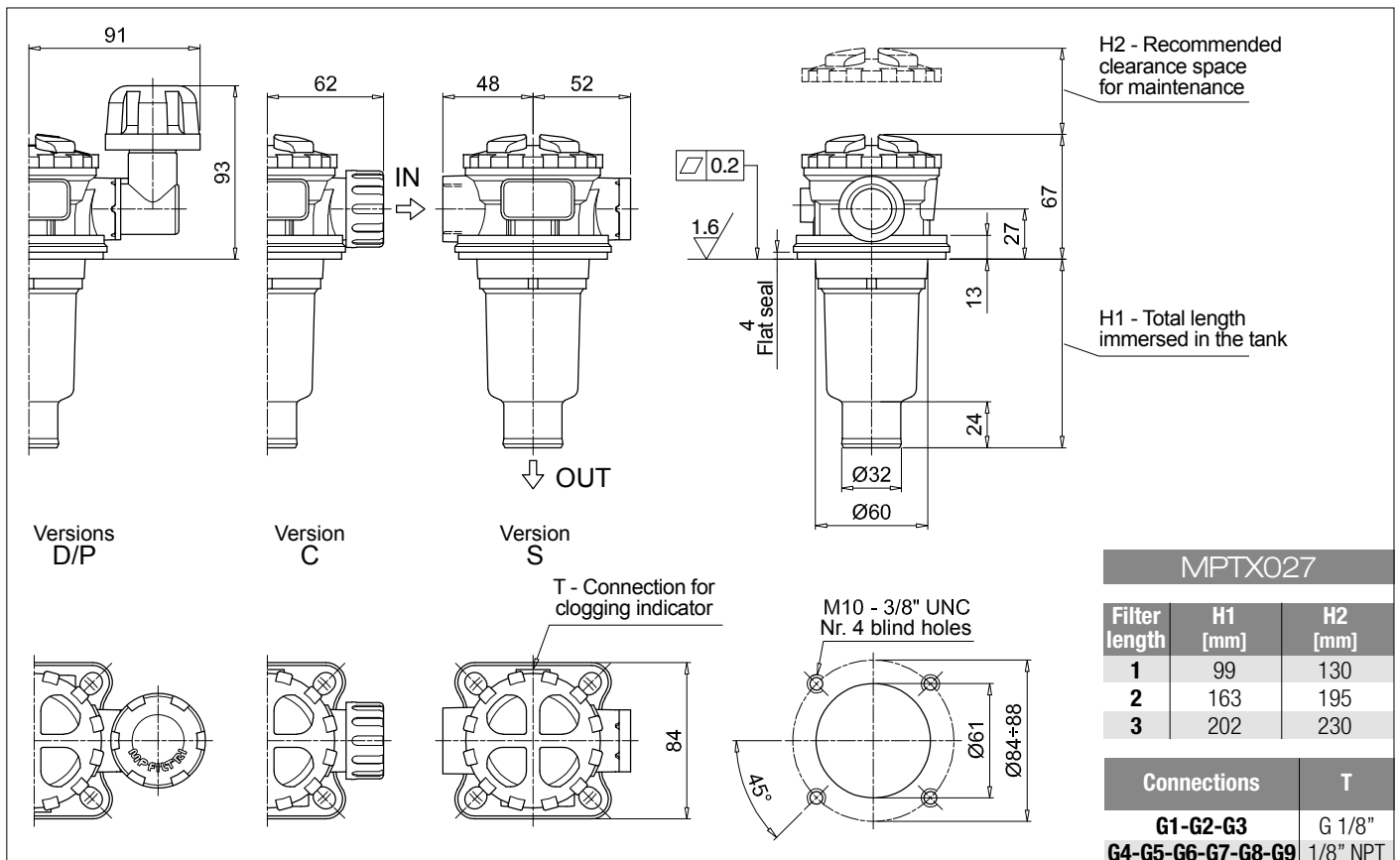
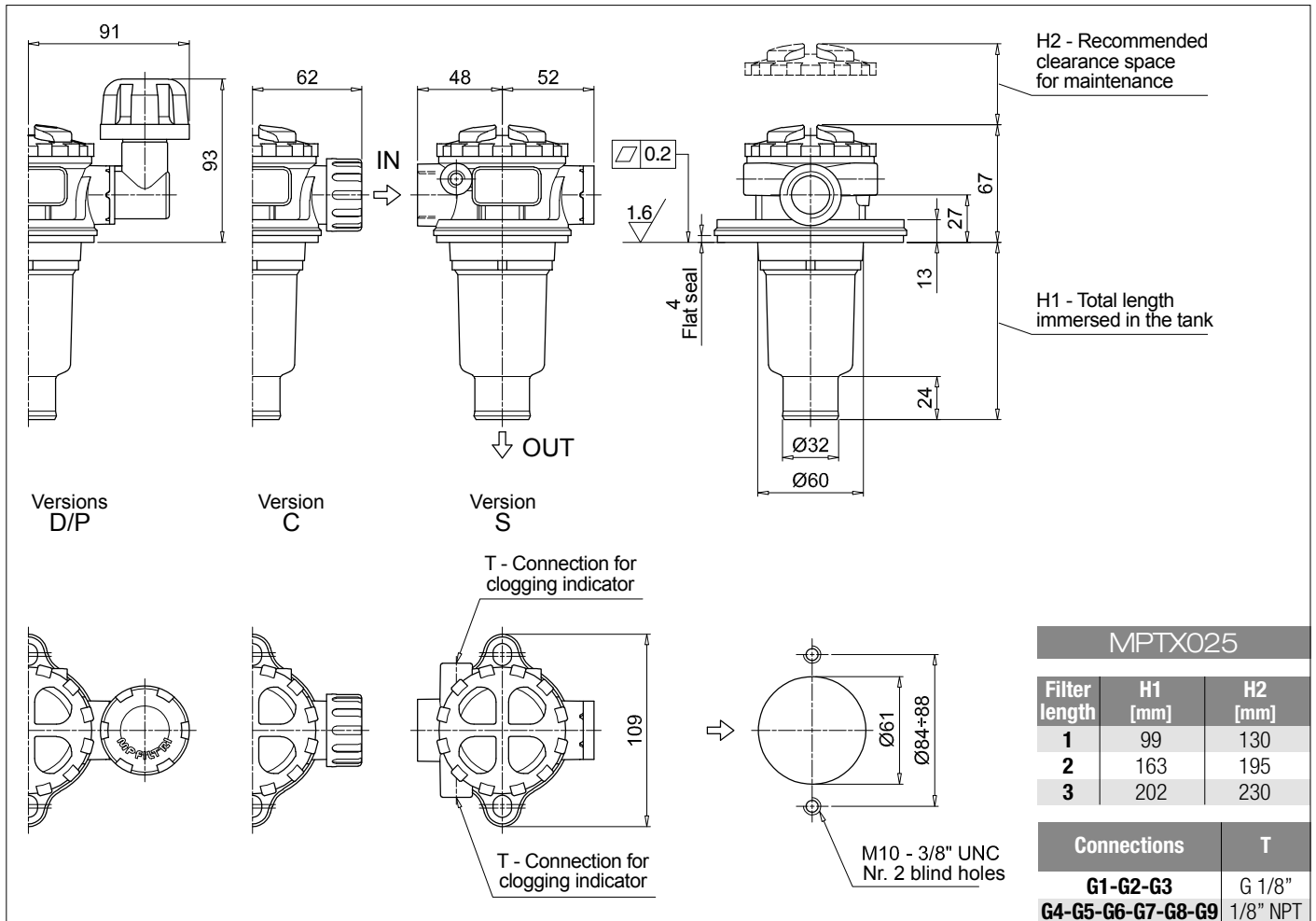
MPTX 025 -027		
Air breather port plugged Indicator port	Air breather standard Indicator port	Anti-splash air breather & pressurized Double indicator port
		

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





Designation & Ordering code

COMPLETE FILTER

Series and size				Configuration example 1:								
MPTX110 Filter featuring  Filter Element				Configuration example 2:								
				MPTX110	1	S	A	G1	0	A06	E	P01
Length					3	P	V	G4	1	M25	B	P01
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												

* Not for Mxx filter media

FILTER ELEMENT

Element series and size				Configuration example 1:							1	A06	H	B	E	P01	
MFX100 Filter Element with MYCLEAN feature				Configuration example 2:							MFX100	3	M25	N	V		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															
N 10 bar		Axx	Mxx	Pxx													
H 10 bar																	

* Not for Mxx filter media

CLOGGING INDICATORS

See page 720-721

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

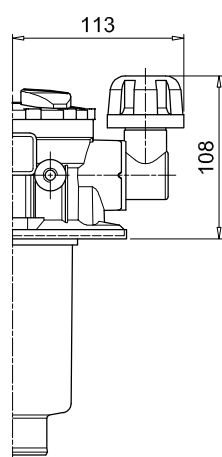
See page 268

TE Extension tube	DPT Dipstick
DFS Diffuser with fast lock connection	

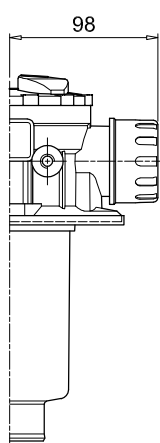
MPTX110

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

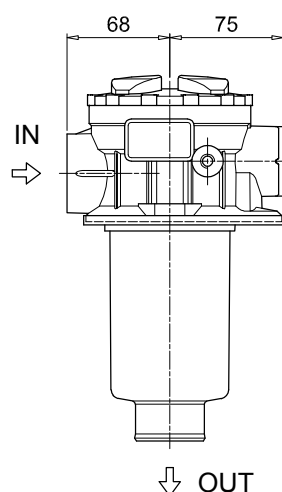
Connections	T
G1-G2-G3	G 1/8"
G4-G5-G6-G7-G8-G9	1/8" NPT



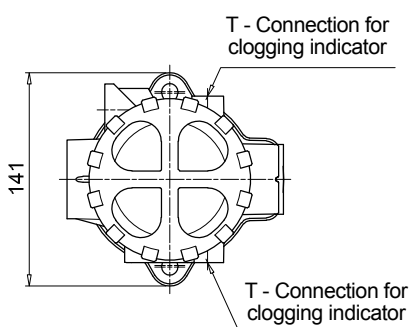
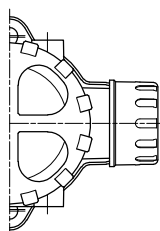
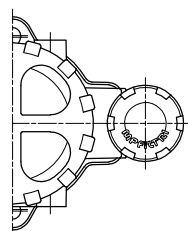
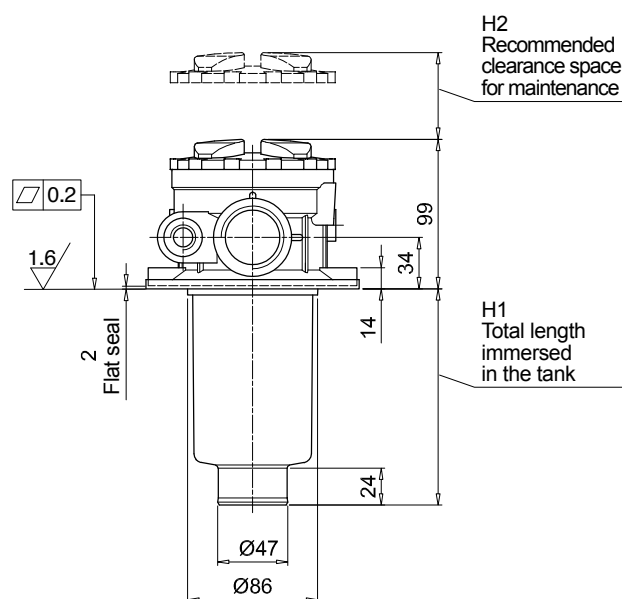
Versions
D/P



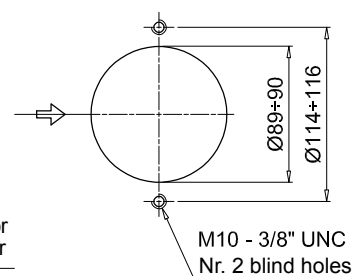
Version
C



Version
S



Holes on the tank



Designation & Ordering code

COMPLETE FILTER

Series and size		Configuration example 1: MPTX114 4 S A G3 A10 E P01									
MPTX114 Filter featuring  Filter Element		Configuration example 2: MPTX114 3 C W G6 A03 B P01									
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									
		Filter media									
Element Δp		Axx	Mxx	Pxx							
N 10 bar		-	•	•							
H 10 bar		•	-	-							
		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

* Not for Mxx filter media

FILTER ELEMENT

Element series and size		Configuration example 2: MFX100 4 A10 H B E P01							
MFX100 Filter Element with  feature		Configuration example 1: MFX100 3 A03 N B 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							
		Filter media							
Element Δp		Axx	Mxx	Pxx					
N 10 bar		-	•	•					
H 10 bar		•	-	-					
		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

CLOGGING INDICATORS

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	

See page 720-721

ADDITIONAL FEATURES

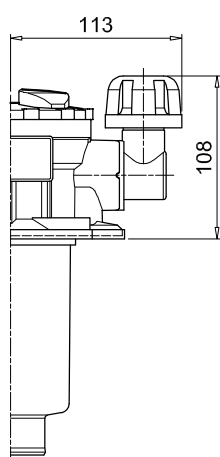
TE Extension tube	DPT Dipstick
DFS Diffuser with fast lock connection	

See page 268

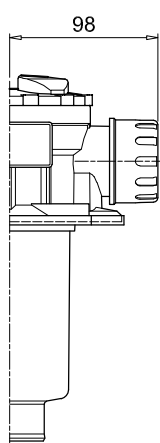
MPTX114

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

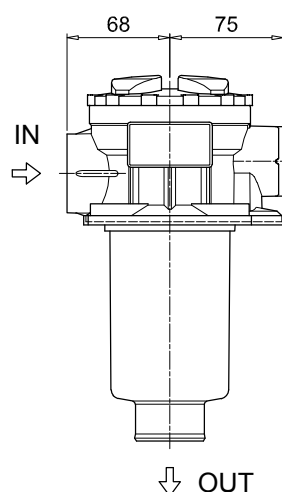
Connections	T
G1-G2-G3	G 1/8"
G4-G5-G6-G7-G8-G9	1/8" NPT



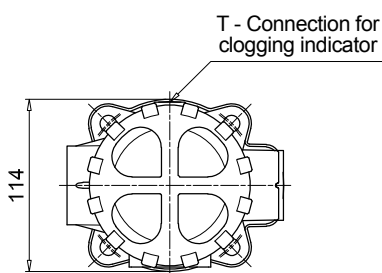
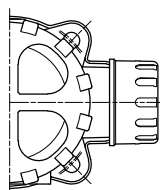
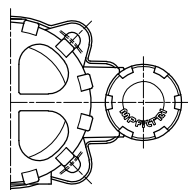
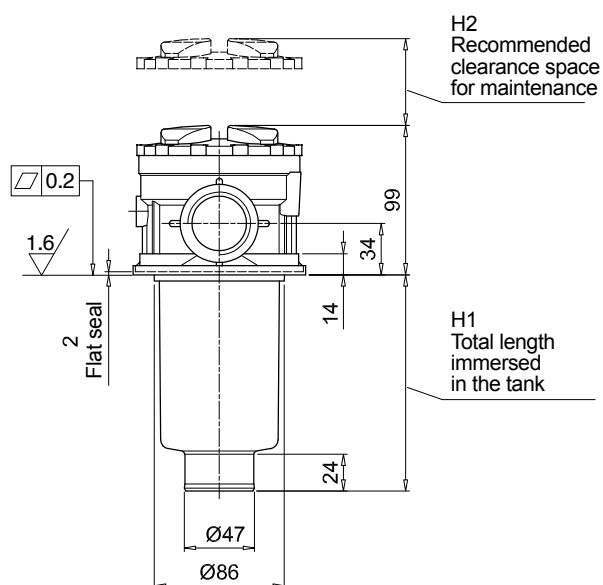
Versions
D/P



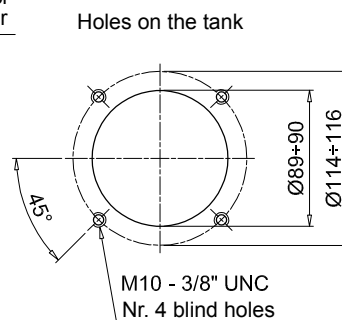
Version
C



Version
S



T - Connection for
clogging indicator



Designation & Ordering code

COMPLETE FILTER

Series and size		Configuration example 1: MPTX116 1 S A G1 M90 E P01									
MPTX116 Filter featuring  Filter Element		Configuration example 2: MPTX116 2 S Z G9 A03 B P01									
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			Executions						
		E 3 bar			Base 		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 2: MFX100 1 M90 N B E P01						
MFX100 Filter Element with MY CLEAN feature				Configuration example 1: MFX100 2 A03 H V 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 * MP Filtri standard			
							Pxx Zxx * Customized			
* Not for Mxx filter media										

CLOGGING INDICATORS

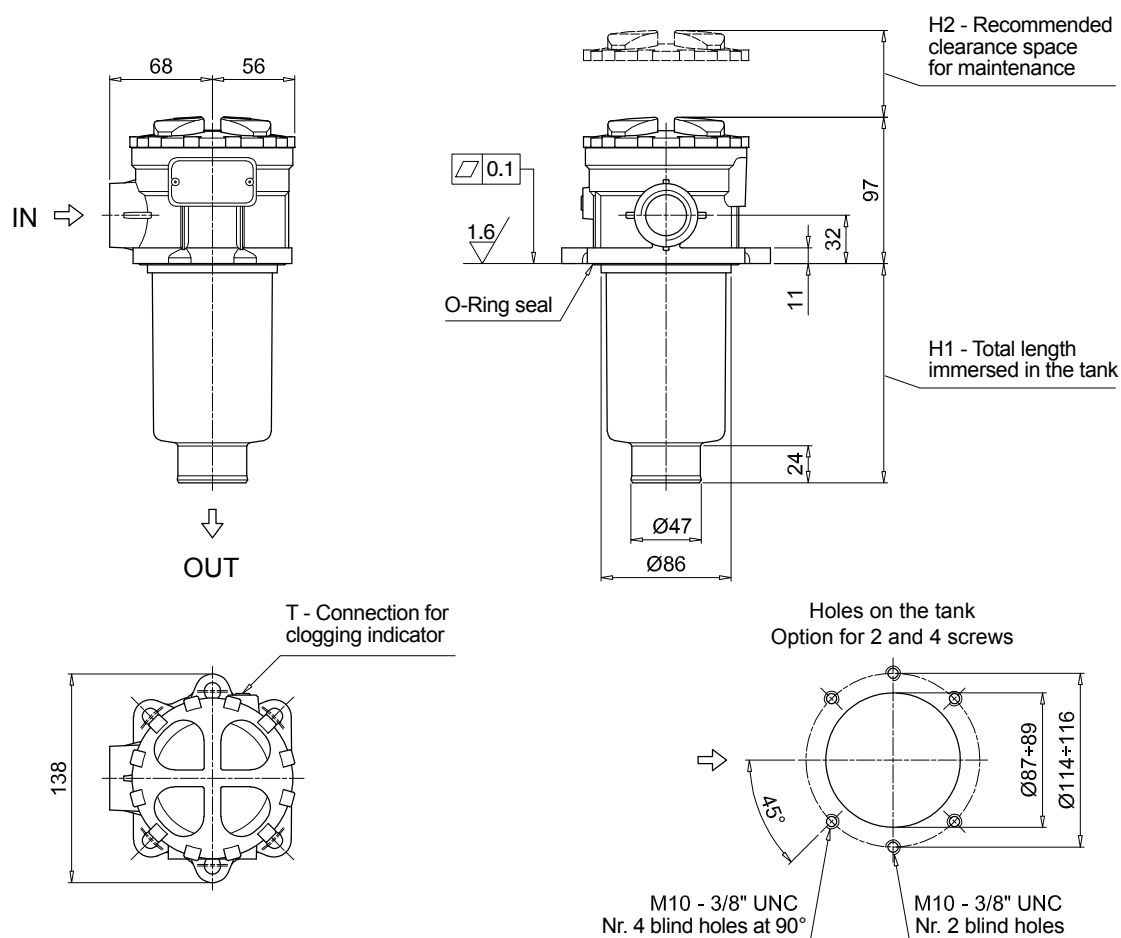
See page 720-721

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

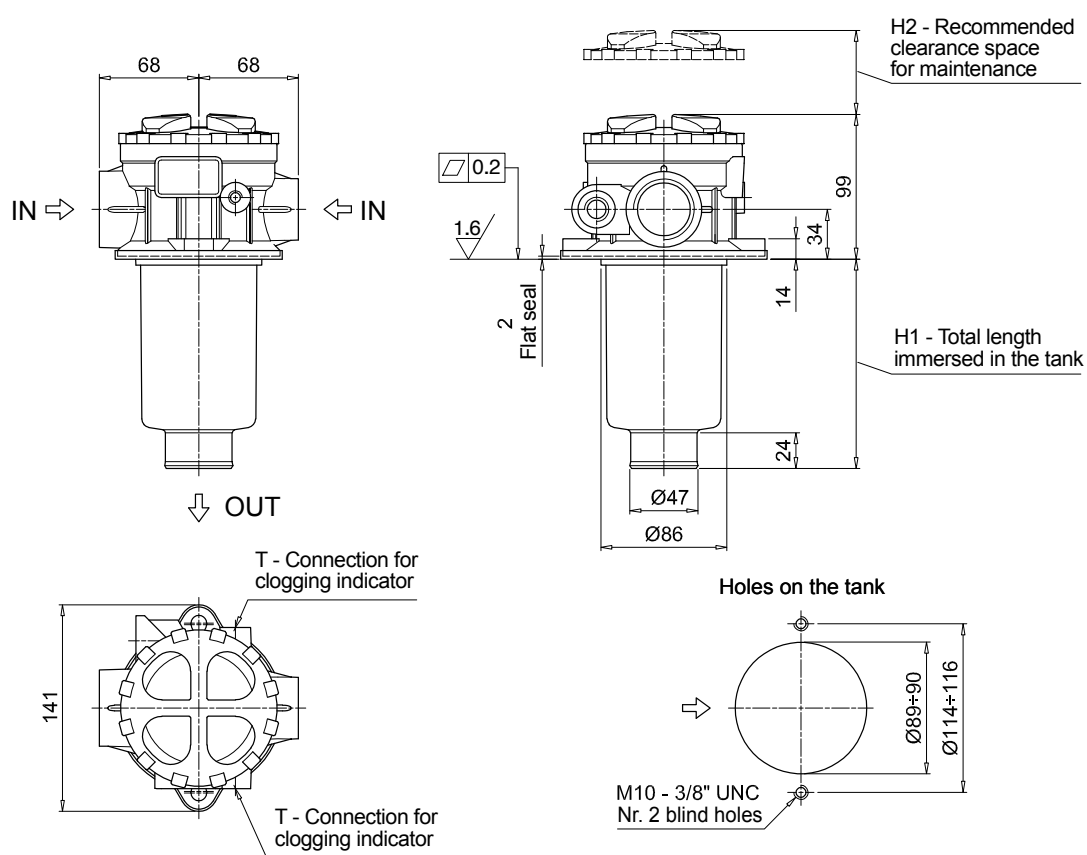
TE Extension tube	DPT Dipstick
DFS Diffuser with fast lock connection	



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



MPTX120

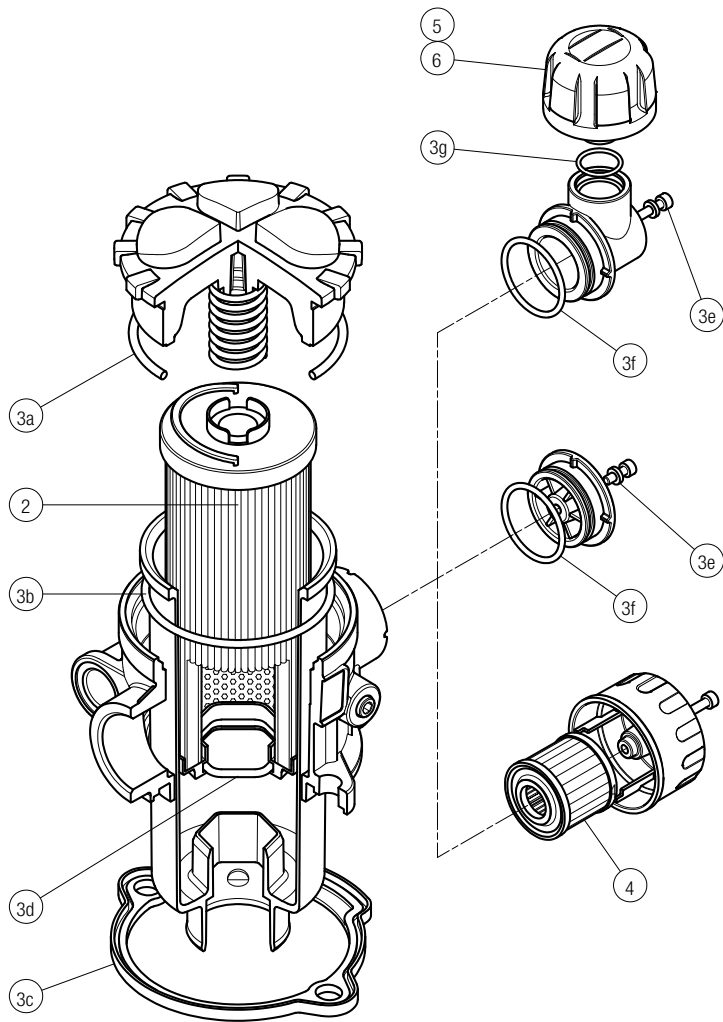
Filter length	H1 [mm]	H2 [mm]
1	99	120
2	144	170
3	222	250
4	324	350

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

MPTX SPARE PARTS

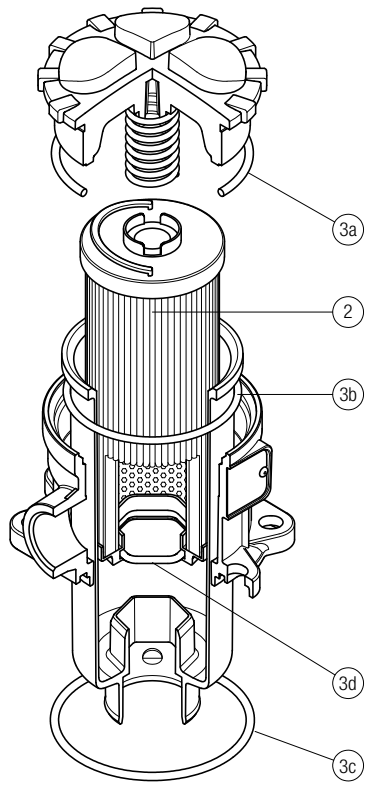
Order number for spare parts

MPTX 025 - 027 - 110



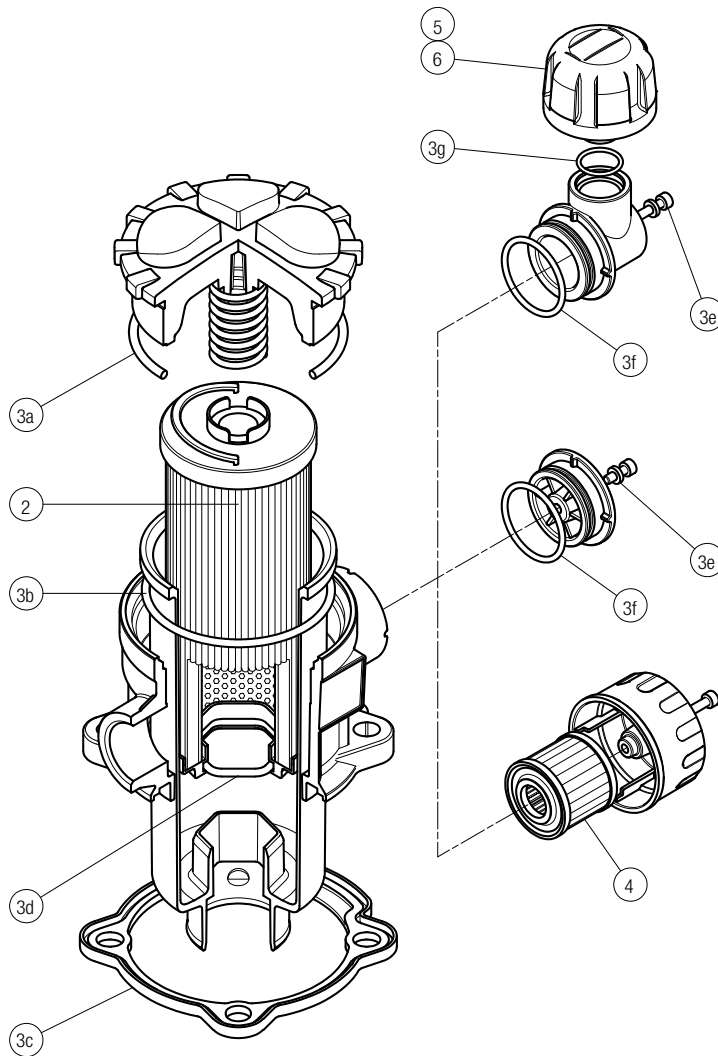
Q.ty: 1 pc.		Q.ty: 1 pc.		Q.ty: 1 pc.	Q.ty: 1 pc.	Q.ty: 1 pc.
Item:		2		3 (3a ÷ 3g)	4	5
Filter series	Filter element	Seal Kit code number		Air breather filter element - version:		
		NBR	FPM	C	D	P
MPTX 025	See order table	02050701	02050702	10 µm A3L03	10 µm SAP50G3L03A0P01	10 µm SAP50G3L03A1P01
MPTX 027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

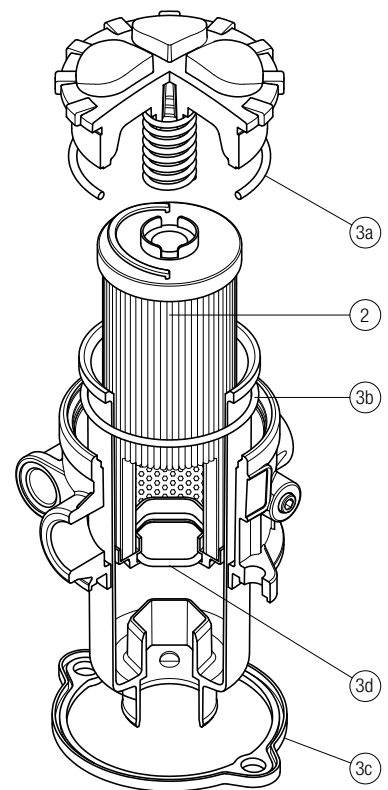


Q.ty: 1 pc.		Q.ty: 1 pc.	
Item:		3 (3a ÷ 3d)	
Filter series	Filter element	Seal Kit code number	NBR
MPTX 116	See order table	02050737	02050738

MPTX 114



MPTX 120

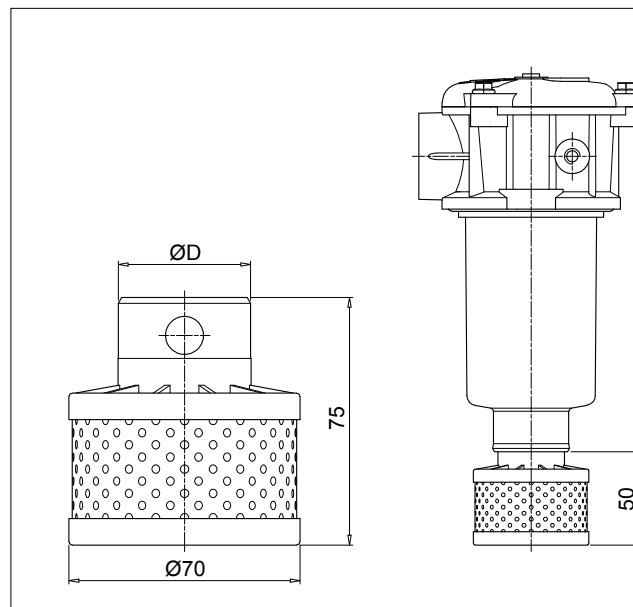


Item:	Q.ty: 1 pc.	Q.ty: 1 pc.	Q.ty: 1 pc.	Q.ty: 1 pc.	Q.ty: 1 pc.	
	2	3 (3a ÷ 3g)	4	5	6	
Filter series	Filter element	Seal Kit code number		Air breather filter element - version:		
		NBR	FPM	C	D	P
MPTX 114	See order table	02050707	02050708	10 µm ASL03	10 µm SAP50G3L03A0P01	10 µmm SAP50G3L03A1P01

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

Accessories

DIFFUSER WITH FAST LOCK CONNECTION

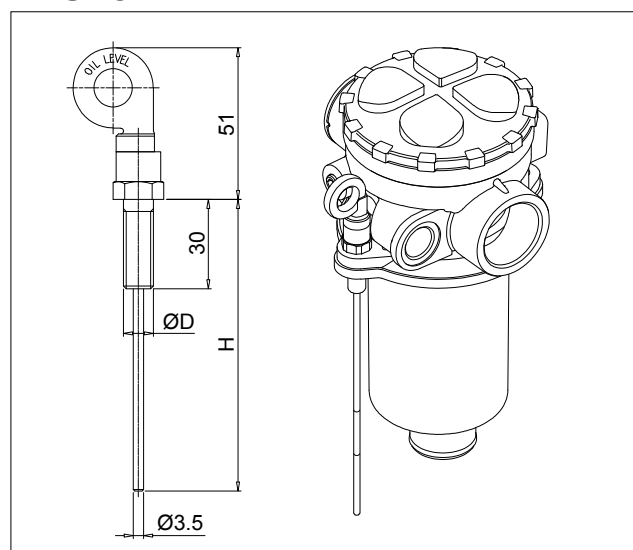


Configuration example: **DFS** **32** **A** **075**

Series	Size	Ø D [mm]	Version	Length
DFS	32	32	A Standard	075 Standard
	40	40		

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

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

Seals

A	NBR
V	FPM

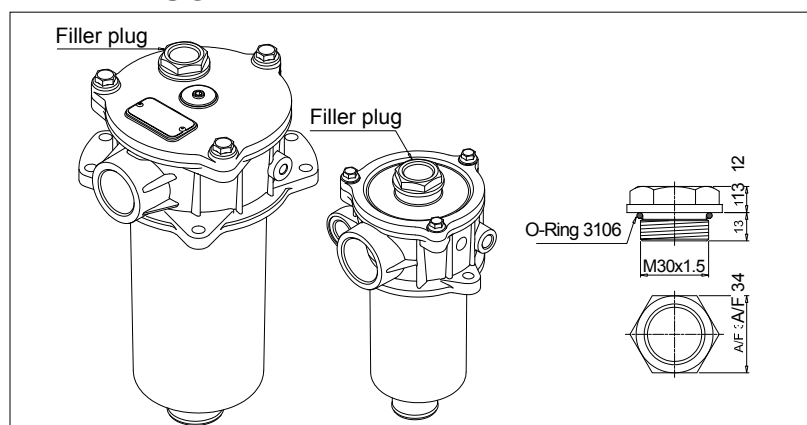
Fastening

M8	Fastening with screws Ø D = M8
M10	Fastening with screws Ø D = M10

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.

POLYAMIDE EXTENSION TUBE

Conf. example: **TE** **40** **A** **250**

Series	TE
Size	Ø D [mm]
25	25
32	32
40	40
51	51
62	62

Material
A Polyamide

Length	H [mm]	25-32-40	51-62
200	200	•	•
250	250	•	-
300	300	•	•
350	350	•	-
400	400	•	•
450	450	•	-
500	500	•	•
600	600	-	•

COMPATIBILITY TABLE																			
Filter series	Filter size				Filter length	TE25	TE32	TE40	TE51	TE62	Tube length								
											200	250	300	350	400	450	500	600	
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	-	
MPFX	191	192	194	2	-	-	-	-	•	-	620	-	720	-	820	-	920	1020	
				1	-	-	-	-	•	-	352	-	452	-	552	-	652	752	
	400	410	450	451	2	-	-	-	-	•	411	-	511	-	611	-	711	811	
					3	-	-	-	-	•	459	-	559	-	659	-	759	859	
MPT MPTX	750				1	-	-	-	-	-	•	597	-	697	-	797	-	897	997
	025	027	1	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	646	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						
					Ø D [mm]	
Filter series	Filter size				Filter length	
MPF	191	192	194		2	• -
					1	• -
	400	410	450	451	2	- •
					3	-
	750				1	- •

Designation & 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
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	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
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

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

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