

MPS series

Maximum working pressure up to 1.2 MPa (12 bar) - Flow rate up to 365 l/min



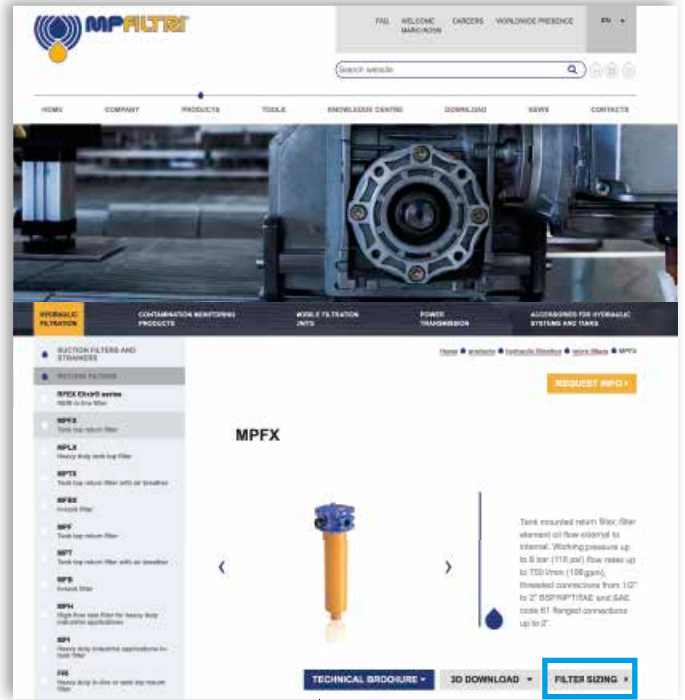
TYPICAL FILTER SIZING Selection Software

Step ①

Select "FILTER SIZING SOFTWARE" after login

OR

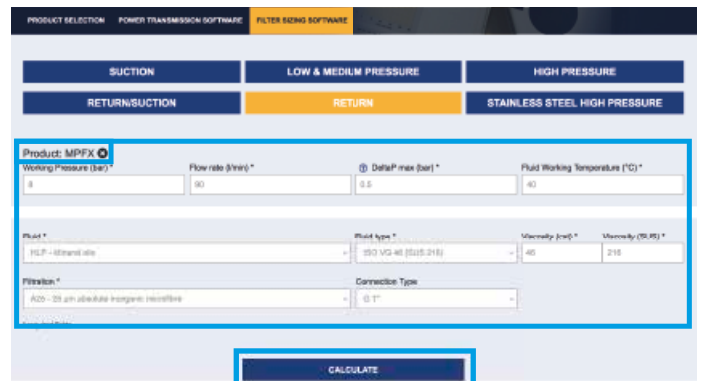
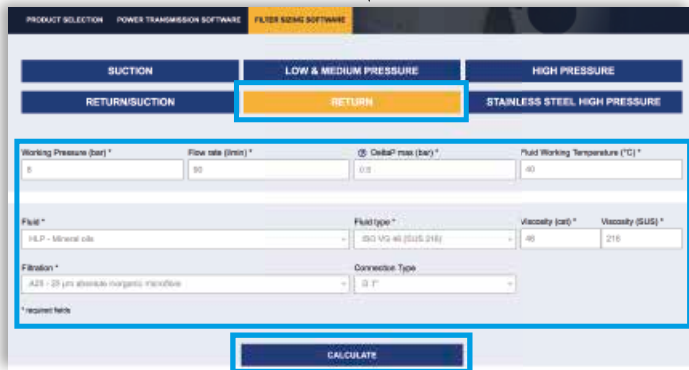
Select "FILTER SIZING" after login from a product page



Choose the type of filter family.
Enter the main data for sizing the filter
then push CALCULATE.

Step ②

Enter the main data for sizing the filter
then push CALCULATE.



Step ③

Select the desired options to choose the appropriate filter type for the application.

Working Pressure: 8 (bar) | Fluid: HLP | Flow rate: 90 (l/min) | Fluid type: ISO VG 46 (SUS 216) | DP max of the project: 0.5 (bar) | Seal: A - NBR | Working Temperature: 40 (°C) | Optional seals: V - FPM | Working Temperature with options: -20 + 110 (°C) | Filtration: 25 µm absolute inorganic microfibre | Connection Type: G 1" | Viscosity: 46 (cst) - 216 (SUS)

Filter type: MPFX: Tank top mounting - (Pmax 1 - B: 1.75 bar (Systems) | **Seal**: A - NBR | **Option1**: Single or duplex | **DIN Standard**: NOT APPLICABLE | **Indicator**: Visual

Image	Code	Press	Qmax	DP	Housing DP	Element DP	Connection	Seal	Link					
		bar	psi	l/min	gpm	bar	psi	bar	psi					
	MPFX-100-3-A-G3-A25-HBP51	8	116	25.74	25.3	0.47	7	0.12	2	0.35	5	G 1"	A	Adjustment Report
	MPFX-150-3-A-G3-A25-HBP51	8	178	66.74	25.3	0.47	7	0.12	2	0.38	8	G 1"	A	Adjustment Report

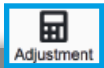
Step 4

Choose the most suitable filter from the proposed list.

Image	Code	Peak bar	Qmax gpm	ΔP psi	Housing ΔP bar	Element ΔP psi	Connection	Seal	Link					
	MPFX-103-3-A-Q3-A25-H-BPFI	8	116	25.74	25.3	0.47	T	0.12	2	0.33	5	G 1"	A	Adjustment Report
	MPFX-104-3-A-Q3-A25-H-BPFI	8	116	25.74	25.3	0.47	T	0.12	2	0.33	5	G 1"	A	Adjustment Report

Step 5

It is possible to change the filter modifying every parameter.



A SAVE YOUR FILTER'S REPORT



B MANUAL EDIT



SAVE IN YOUR ARCHIVE
typing your reference data and then SAVE AS PDF

A new
browser window
displays the pdf

see **A**



Close the report window



By clicking your WELCOME button,
the SHOW REPORTS is displayed: select it to see your filters list.

Description

Technical data

Spin-on filters

Maximum working pressure up to 1.2 MPa (12 bar)

Flow rate up to 365 l/min

MPS is a range of spin-on filters suitable to be used in suction, return and low pressure lines.

They offer a good balance between performances, dimensions and prices. They are directly connected to the lines of the system through the hydraulic fittings.

Available features:

- Female threaded connections up to 1 1/2" and flanged connections up to 1 1/2", for a maximum flow rate of 365 l/min
- Fine filtration rating, to get a good cleanliness level into the reservoir
- Water removal elements (CW), to remove the free water from the hydraulic fluid
- Double connection for the cans, to fit both European and American standard elements
- Double cans fitting, to increase the life time of the filter
- Bypass valve, to relieve excessive pressure drop across the filter media
- Visual, electrical and electronic clogging indicators for suction and return applications
- Visual, electrical and electronic differential clogging indicators for low pressure applications

Common applications:

- Suction lines, Return lines, Delivery lines, in economic industrial equipment or mobile machines.
- Off-line filtration tank in economic industrial equipment or mobile machines

Filter housing materials

- Head: Aluminium
- Bypass valve: Polyamide - Steel
- Element: Zinc-Plated Steel - Painted steel

Bypass valve

- Inline / Return filter opening pressure: 175 kPa (1.75 bar) $\pm 10\%$
- Inline / Suction filter opening pressure: 30 kPa (0.3 bar) $\pm 10\%$

Δp element type

- Δp : 5 bar
- Fluid flow through the filter element from OUT to IN

Seals

Standard NBR - series A

Temperature

From -20 °C to +110 °C

Note

MPS filters are provided for vertical mounting

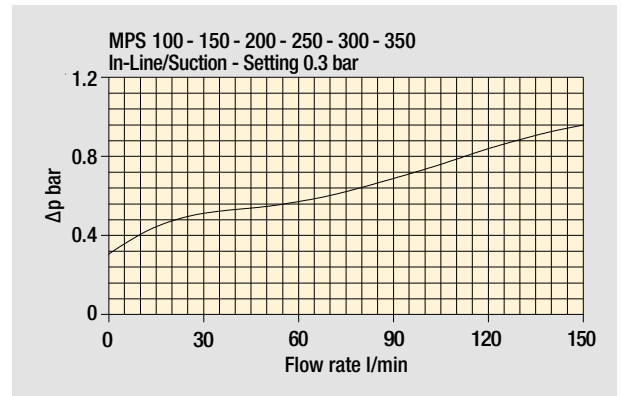
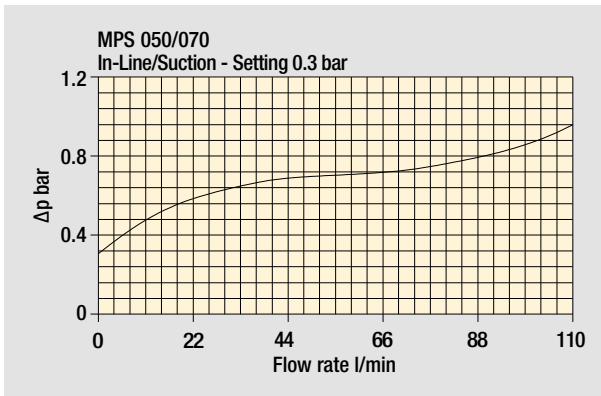
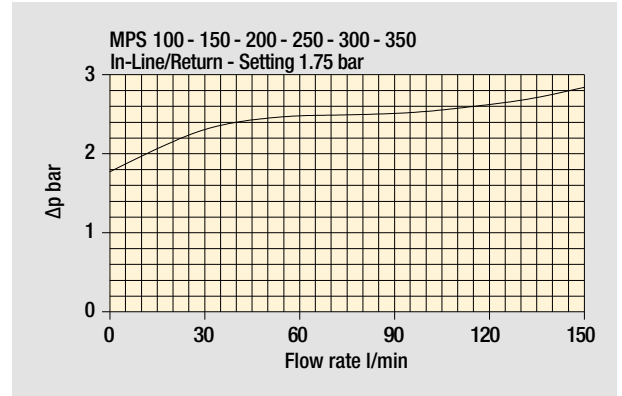
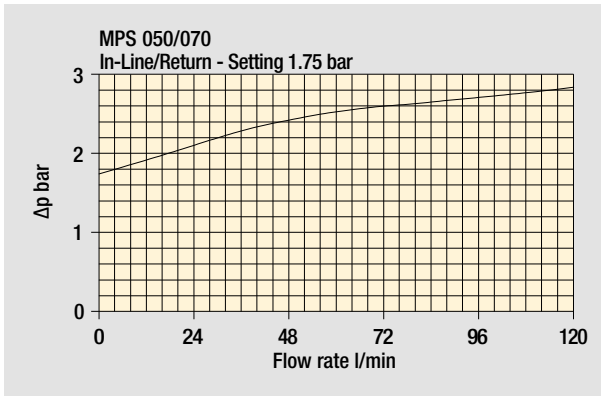
Weights [kg] and volumes [dm³]

Filter series	Weights [kg]	Volumes [dm ³]
MPS 050	1.00	0.70
MPS 051	1.05	0.70
MPS 070	1.20	0.95
MPS 071	1.25	0.95
MPS 100	2.10	1.65
MPS 101	2.20	1.65
MPS 150	2.40	2.00
MPS 151	2.50	2.00
MPS 200	3.90	3.00
MPS 250	4.60	3.70
MPS 300-301	5.30	3.40
MPS 350-351	6.00	4.10

Filter series					
MPS 050	•	-	-	-	-
MPS 051	-	•	-	-	-
MPS 070	•	-	-	-	-
MPS 071	-	•	-	-	-
MPS 100	•	-	-	-	-
MPS 101	-	•	-	-	-
MPS 150	•	-	-	-	-
MPS 151	-	•	-	-	-
MPS 200	-	-	•	-	-
MPS 250	-	-	•	-	-
MPS 300	-	-	-	•	-
MPS 301	-	-	-	-	•
MPS 350	-	-	-	•	-
MPS 351	-	-	-	-	•
	Style U/P	Style U/P	Style U	Style U/P	Style U/P
	Style R/S	Style R/S	Style R/S	Style R/S	Style R/S

Pressure drop

Bypass valve
pressure drop



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

CS 050 - 070 - 100 - 150
CG - CW 050 - 070



CG - CW 100 - 150



CW
 This series of cartridge removes water from oil while filtering the oil at the same time. Water absorbent polymers up to 800 times their own weight provide this major feature.

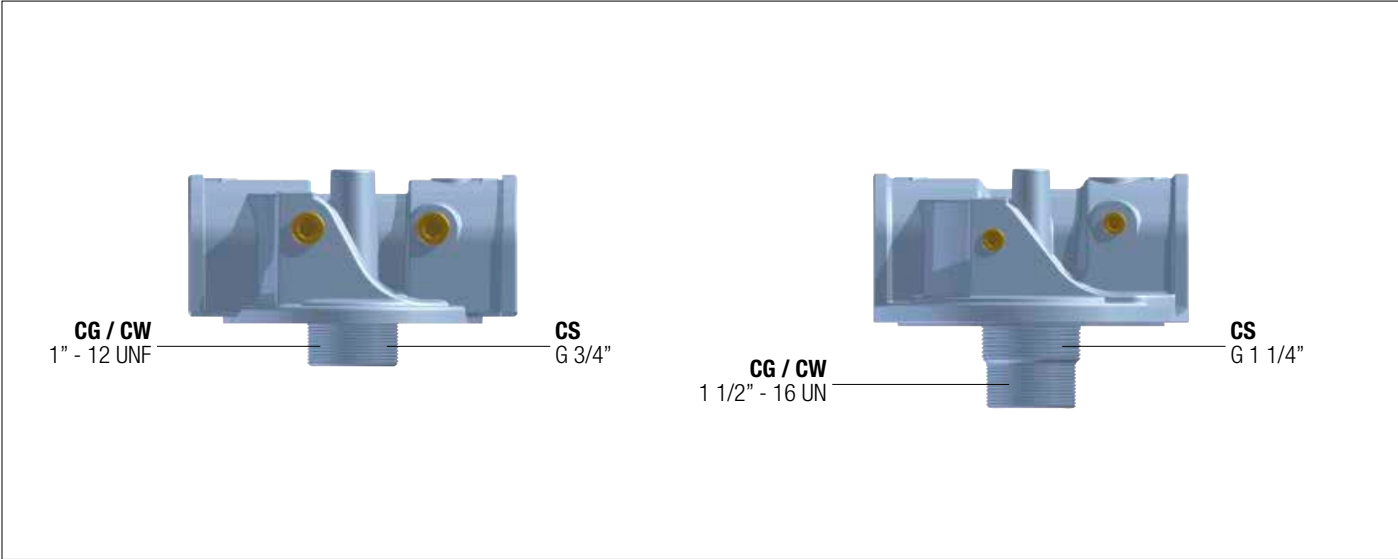
Water holding capacities:
 CW 050= 240 ml
 Ordering code: **CW050P10AP01**

CW 150= 788 ml
 Ordering code: **CW150P10AP01**

Thread connections	
Element	Connection
CS 050 - 070	G 3/4"
CS 100 - 150	G 1 1/4"
CG / CW 050 - 070	1" - 12 UNF
CG / CW 100 - 150	1 1/2" - 16 UN

Water holding capacities CW		
	good	poor
Viscosity	30/46 mm ² /s (cSt)	> 46 mm ² /s (cSt)
H ₂ O p.p.m.	600/800 p.p.m.	> 800 p.p.m.
Flow rate	CW050 7/15 l/min CW150 20/40 l/min	CW050 > 20 l/min CW150 > 50 l/min
Temperature	40/60 °C	< 30 °C

Heads



MPS MPS050 - MPS070 MPS051 - MPS071

Designation & Ordering code

COMPLETE FILTER

Series and size

MPS050 | **MPS070** With connections for clogging indicators

MPS051 | **MPS071** With connections for differential indicators

Configuration example: **MPS050** **R** **G1** **A10** **A** **P01**

Bypass valve

	MPS 050 - 070	MPS 051 - 071
R Inline / Return: with bypass 1.75 bar	•	•
S Inline / Suction: with bypass 0.3 bar	•	-
U Without bypass	•	-
P Without bypass	-	•

Connections

G1 G 3/4"
G2 3/4" NPT
G3 SAE 12 - 1 1/16" - 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
A25 Inorganic microfiber 25 µm	P10 Resin impregnated paper 10 µm
	P25 Resin impregnated paper 25 µm

Seal
A NBR

Execution
P01 MP Filtri standard

CARTRIDGE

Cartridge series and size

CS050 | **CS070**

Configuration example: **CS050** **A10** **A** **P01**

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
A25 Inorganic microfiber 25 µm	P10 Resin impregnated paper 10 µm
	P25 Resin impregnated paper 25 µm

Seals
A NBR

Execution
P01 MP Filtri standard
Pxx Customized

CLOGGING INDICATORS

See page 334

Clogging indicators on RETURN line

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

Clogging indicators on SUCTION line

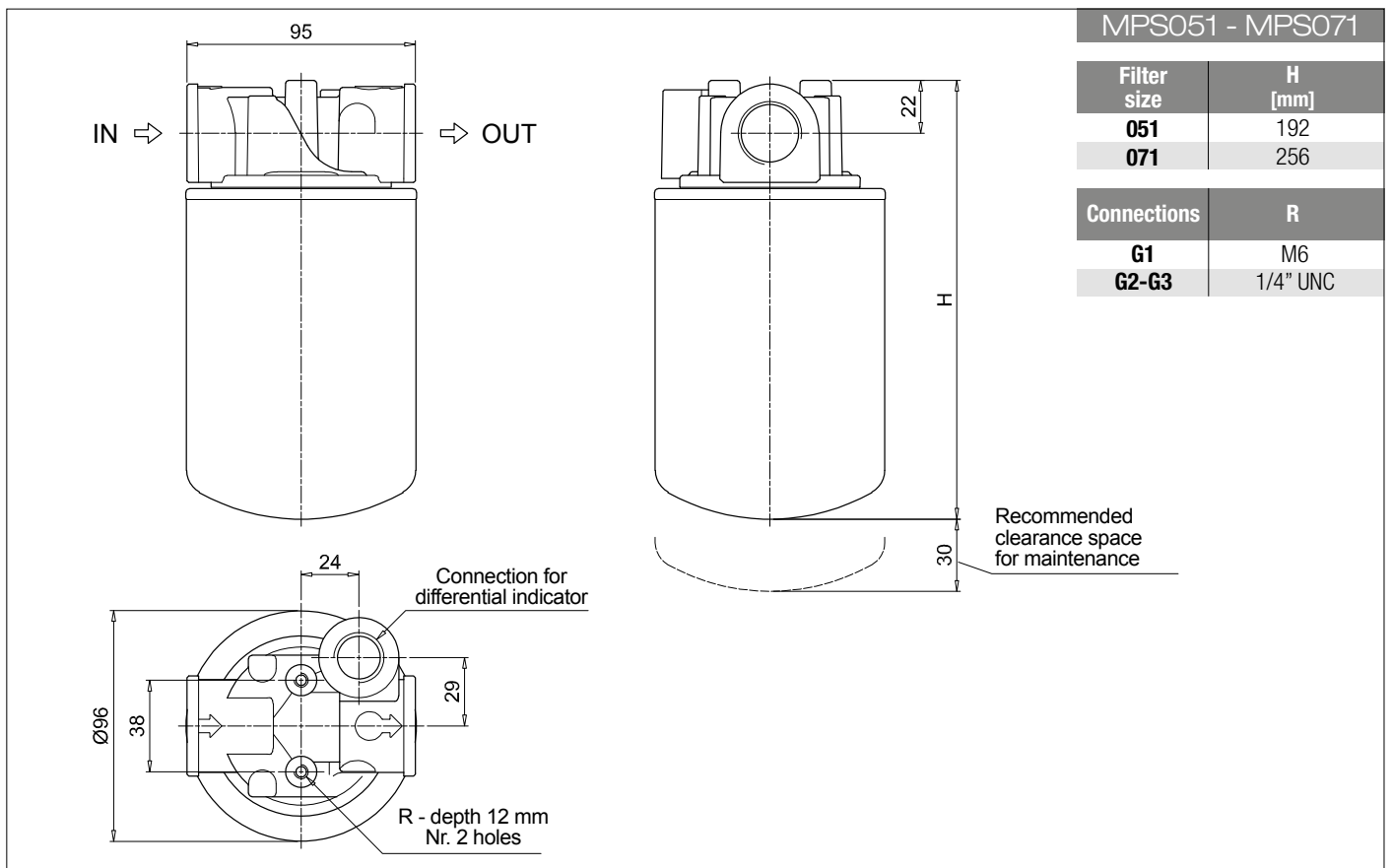
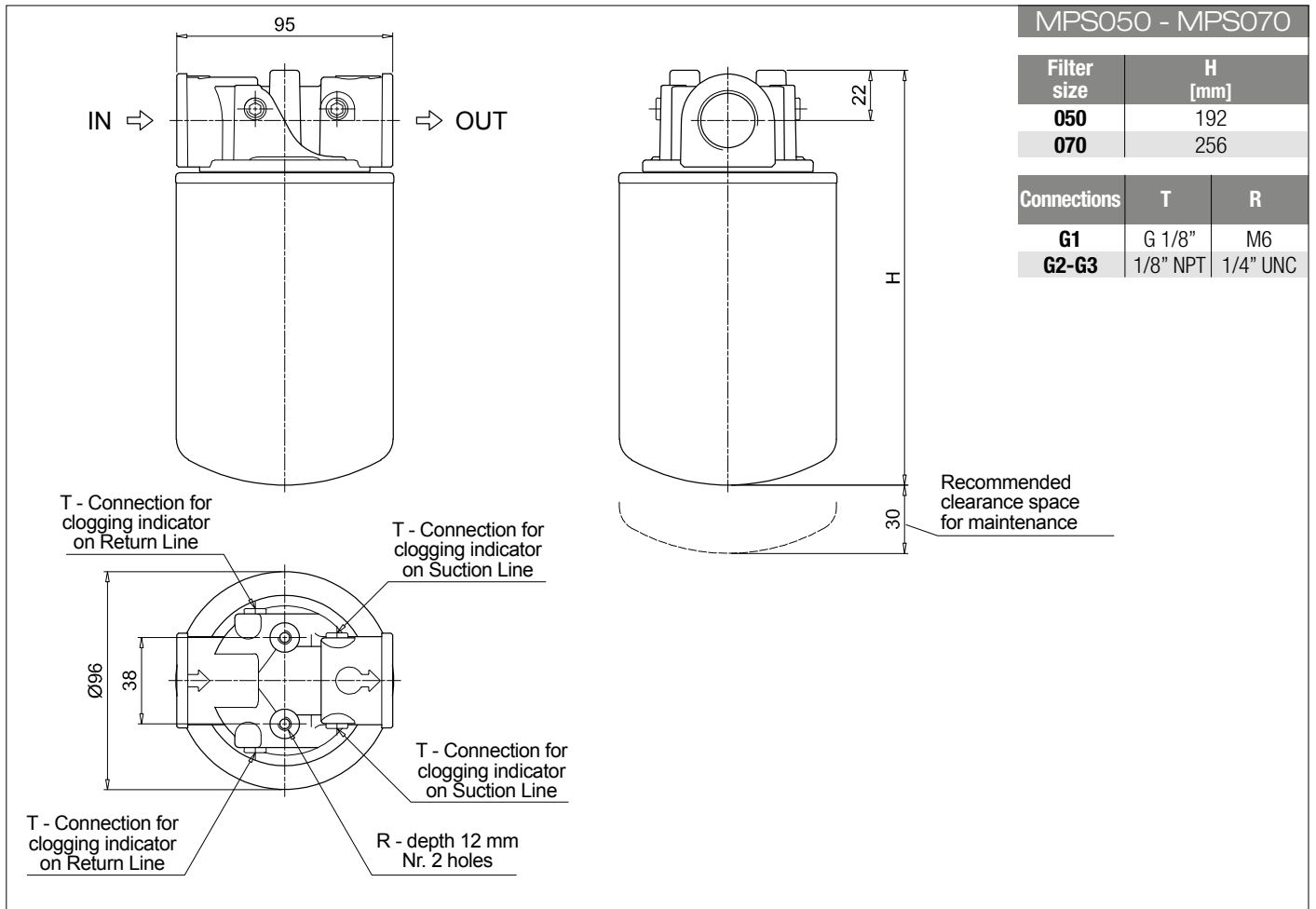
VVB Axial pressure gauge
VVS Radial pressure gauge

VEB Electrical vacuum indicator
VLB Electrical / visual vacuum indicator

Differential indicators

DEA Electrical differential indicator
DEM Electrical differential indicator
DLA Electrical / visual differential indicator
DLE Electrical / visual differential indicator

DTA Electronic differential indicator
DVA Visual differential indicator
DVM Visual differential indicator



MPS MPS100 - MPS150 MPS101 - MPS151

Designation & Ordering code

COMPLETE FILTER

Series and size		Configuration example: MPS100 R G1 A10 A P01				
MPS100 MPS150	With connections for clogging indicators					
MPS101 MPS151	With connections for differential indicators					
Bypass valve		MPS 100 - 150	MPS 101 - 151			
R	Inline / Return: with bypass 1.75 bar	•	•			
S	Inline / Suction: with bypass 0.3 bar	•	-			
U	Without bypass	•	-			
P	Without bypass	-	•			
Connections						
G1	G 1 1/4"					
G2	1 1/4" NPT					
G3	SAE 20 - 1 5/8" - 12 UN					
Filtration rating (filter media)						
A03	Inorganic microfiber 3 µm					
A06	Inorganic microfiber 6 µm					
A10	Inorganic microfiber 10 µm					
A25	Inorganic microfiber 25 µm					
	M25 Wire mesh 25 µm					
	M60 Wire mesh 60 µm					
	M90 Wire mesh 90 µm					
	P10 Resin impregnated paper 10 µm					
	P25 Resin impregnated paper 25 µm					
				Seal		Execution
				A NBR		P01 MP Filtri standard

CARTRIDGE

Cartridge series and size		Configuration example: CS100 A10 A P01			
CS100 CS150					
Filtration rating (filter media)					
A03	Inorganic microfiber 3 µm				
A06	Inorganic microfiber 6 µm				
A10	Inorganic microfiber 10 µm				
A25	Inorganic microfiber 25 µm				
	M25 Wire mesh 25 µm				
	M60 Wire mesh 60 µm				
	M90 Wire mesh 90 µm				
	P10 Resin impregnated paper 10 µm				
	P25 Resin impregnated paper 25 µm				
				Seals	Execution
				A NBR	P01 MP Filtri standard Pxx Customized

CLOGGING INDICATORS

See page 334

Clogging indicators on RETURN line

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

Clogging indicators on SUCTION line

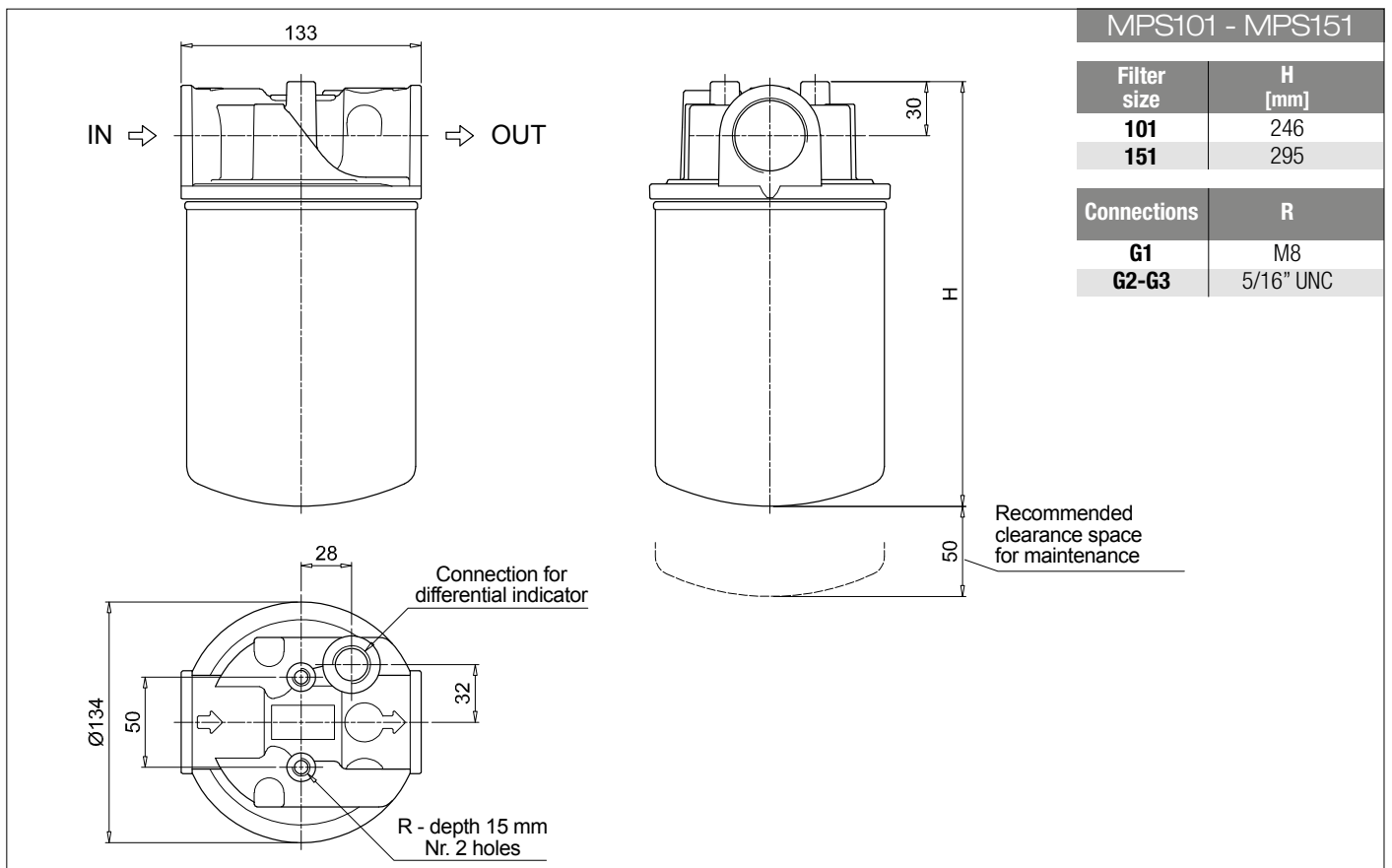
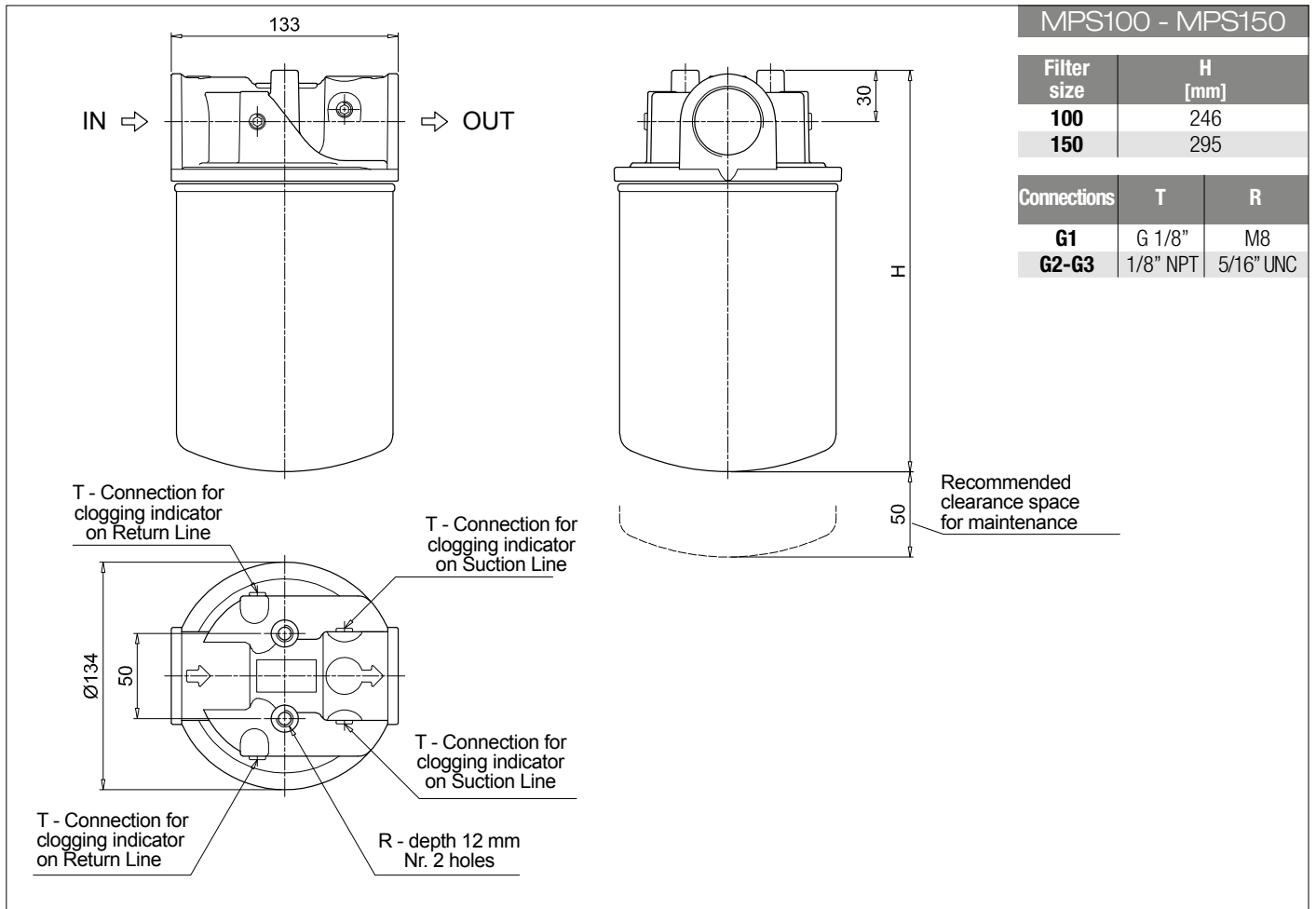
VVB	Axial pressure gauge
VVS	Radial pressure gauge

VEB	Electrical vacuum indicator
VLB	Electrical / visual vacuum indicator

Differential indicators

DEA	Electrical differential indicator
DEM	Electrical differential indicator
DLA	Electrical / visual differential indicator
DLE	Electrical / visual differential indicator

DTA	Electronic differential indicator
DVA	Visual differential indicator
DVM	Visual differential indicator



MPS MPS200 - MPS250

Designation & Ordering code

COMPLETE FILTER

Series and size MPS200 MPS250	Configuration example: MPS200	R	G1	A10	A	P01
Bypass valve						
R	Inline / Return: with bypass 1.75 bar					
S	Inline / Suction: with bypass 0.3 bar					
U	Without bypass					
Connections						
G1	G 1 1/2"					
G2	1 1/2" NPT					
G3	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			
A25	Inorganic microfiber 25 µm	P10	Resin impregnated paper 10 µm			
		P25	Resin impregnated paper 25 µm			
		Seal			Execution	
		A	NBR		P01	MP Filtri standard

CARTRIDGE

Cartridge series and size CS100 CS150	Configuration example: CS100	A10	A	P01	
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		
A25	Inorganic microfiber 25 µm	P10	Resin impregnated paper 10 µm		
		P25	Resin impregnated paper 25 µm		
		Seals		Execution	
		A	NBR	P01	MP Filtri standard
				Pxx	Customized

CLOGGING INDICATORS

See page 334

Clogging indicators on RETURN line

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

Clogging indicators on SUCTION line

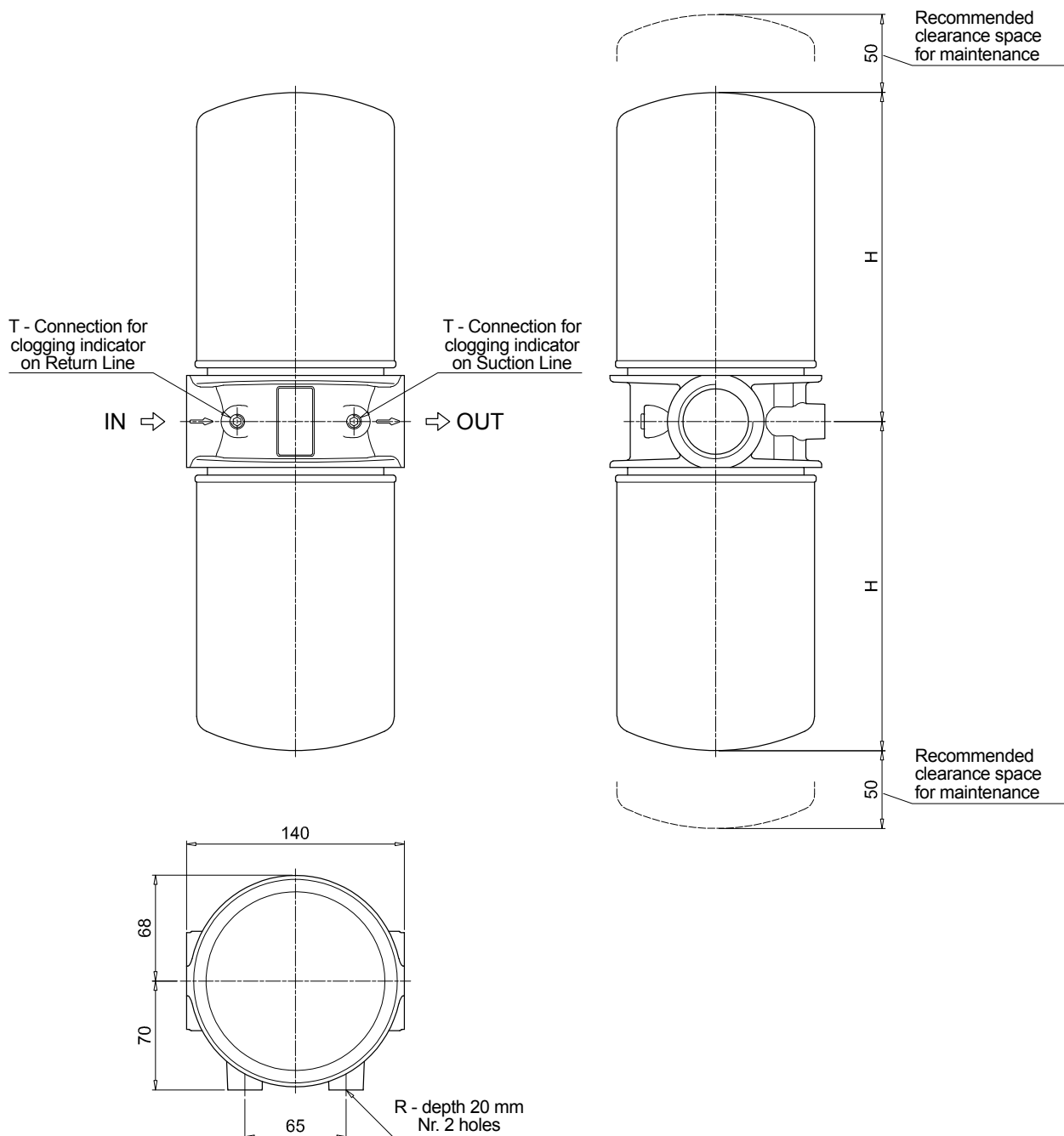
VVB	Axial pressure gauge
VVS	Radial pressure gauge

VEB	Electrical vacuum indicator
VLB	Electrical / visual vacuum indicator

MPS200 - MPS250

Filter size	H [mm]
200	213
250	262

Connections	T	R
G1	G 1/8"	M10
G2-G3	1/8" NPT	7/16" UNC



MPS MPS300 - MPS350 MPS301 - MPS351

Designation & Ordering code

COMPLETE FILTER

Series and size

MPS300 | **MPS350** With connections for clogging indicators

MPS301 | **MPS351** With connections for differential indicators

Configuration example: **MPS300** **R** **F1** **A10** **A** **P01**

Bypass valve

	MPS 300 - 350	MPS 301 - 351
R Inline / Return: with bypass 1.75 bar	•	•
S Inline / Suction: with bypass 0.3 bar	•	-
U Without bypass	•	-
P Without bypass	-	•

Connections

G1 G 1 1/2"	
G2 1 1/2" NPT	
G3 SAE 24 - 1 7/8" - 12 UN	
F1 1 1/2" SAE 3000 psi/M	
F2 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
A25 Inorganic microfiber 25 µm	P10 Resin impregnated paper 10 µm
	P25 Resin impregnated paper 25 µm

Seal
A NBR

Execution
P01 MP Filtri standard

CARTRIDGE

Cartridge series and size

CS100 | **CS150**

Configuration example: **CS100** **A10** **A** **P01**

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
A25 Inorganic microfiber 25 µm	P10 Resin impregnated paper 10 µm
	P25 Resin impregnated paper 25 µm

Seals
A NBR

Execution
P01 MP Filtri standard
Pxx Customized

CLOGGING INDICATORS

See page 334

Clogging indicators on RETURN line

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Clogging indicators on SUCTION line

VVB Axial pressure gauge
VVS Radial pressure gauge

VEB Electrical vacuum indicator
VLB Electrical / visual vacuum indicator

Differential indicators

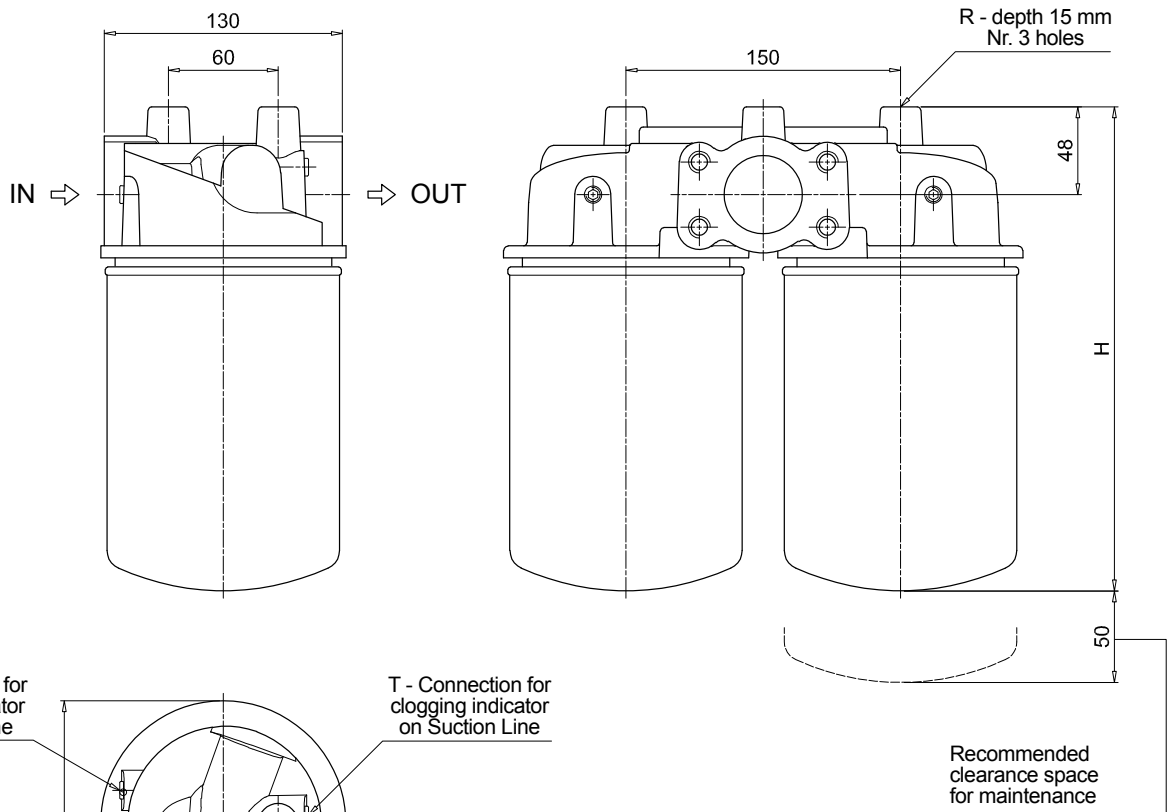
DEA Electrical differential indicator
DEM Electrical differential indicator
DLA Electrical / visual differential indicator
DLE Electrical / visual differential indicator

DTA Electronic differential indicator
DVA Visual differential indicator
DVM Visual differential indicator

MPS300 - MPS350

Filter size	H [mm]
300	266
350	315

Connections	T	R
G1	G 1/8"	M10
G2-G3	1/8" NPT	7/16" UNC
F1	G 1/8"	M10
F2	1/8" NPT	7/16" UNC



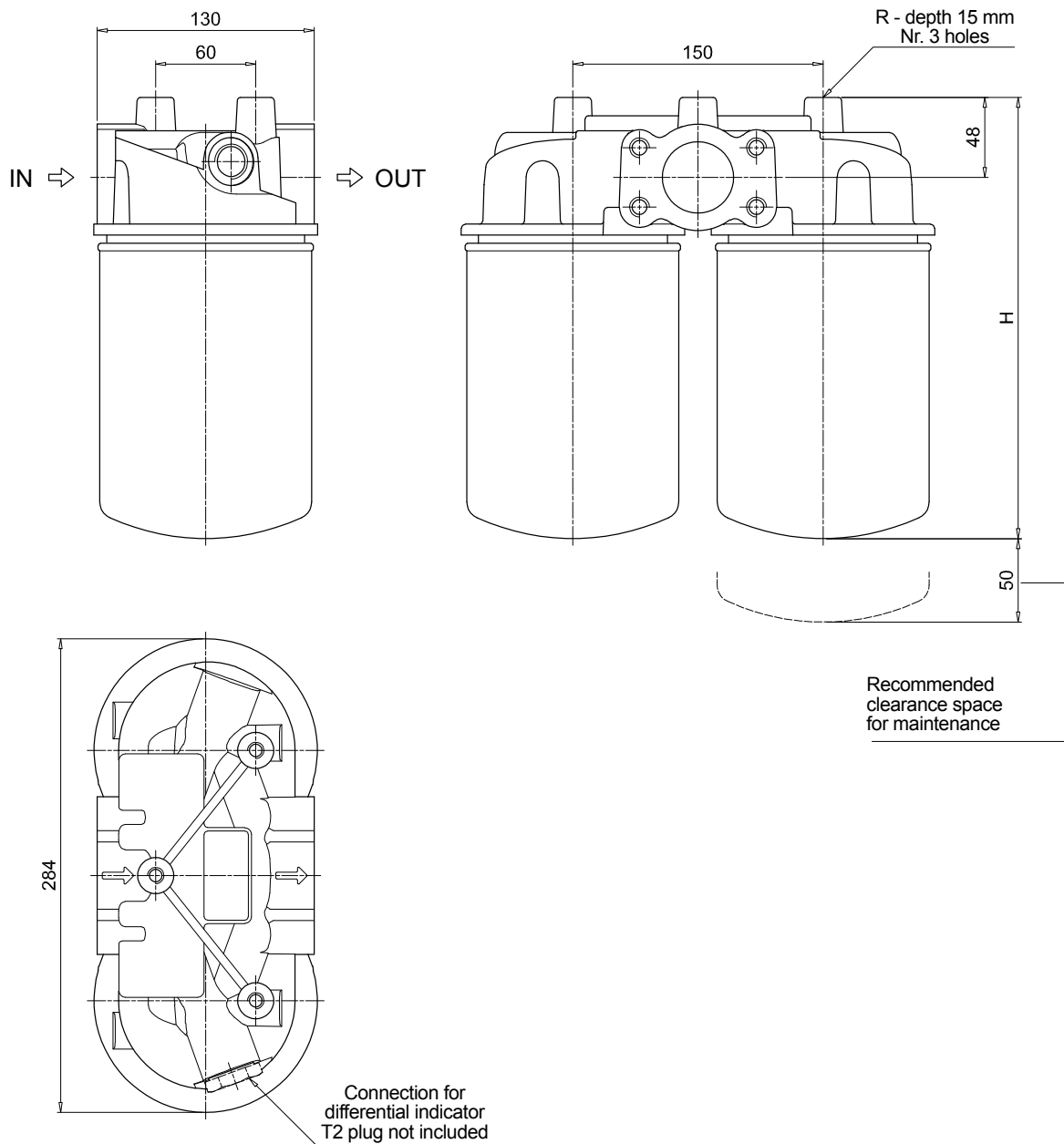
MPS MPS300 - MPS350 MPS301 - MPS351

Dimensions

MPS301 - MPS351

Filter size	H [mm]
301	266
351	315

Connections	R
G1	M10
G2-G3	7/16" UNC
F1	M10
F2	7/16" UNC



Clogging indicators

Introduction

Filter elements are efficient only if their Dirt Holding Capacity is fully exploited. This is achieved by using filter housings equipped with clogging indicators.

These devices trip when the clogging of the filter element causes an increase in pressure drop across the filter element.

The indicator is set to alarm before the element becomes fully clogged.

MP Filtri can supply indicators of the following designs:

- Vacuum switches and gauges
- Pressure switches and gauges
- Differential pressure indicators

These type of devices can be provided with a visual, electrical or both signals.

Suitable indicator types

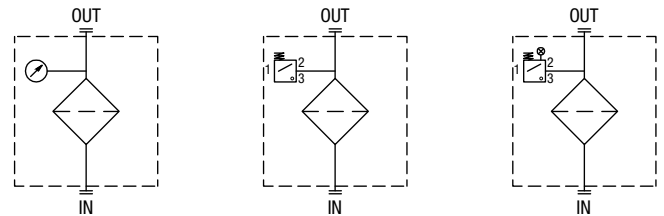
VACUUM INDICATORS

Vacuum indicators are used on the Suction line to check the efficiency of the filter element.

They measure the pressure downstream of the filter element.

Standard items are produced with R 1/4" EN 10226 connection.

Available products with R 1/8" EN 10226 to be fitted on MPS series.

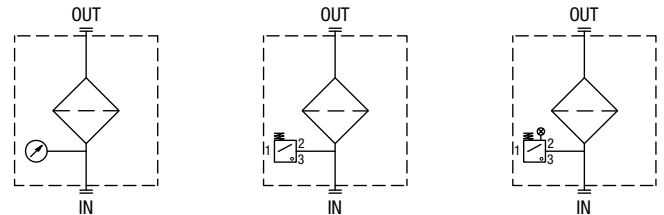


BAROMETRIC INDICATORS

Pressure indicators are used on the Return line to check the efficiency of the filter element.

They measure the pressure upstream of the filter element.

Standard items are produced with R 1/8" EN 10226 connection.



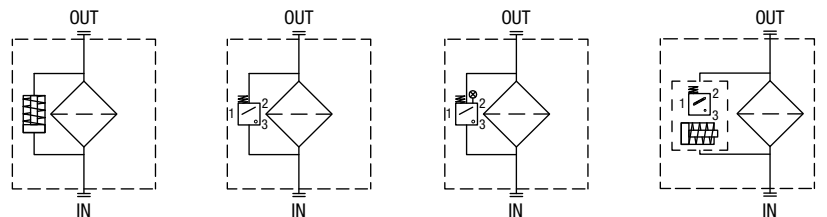
DIFFERENTIAL INDICATORS

Differential indicators are used on the Pressure line to check the efficiency of the filter element.

They measure the pressure upstream and downstream of the filter element (differential pressure).

Standard items are produced with special connection G 1/2" size.

Also available in Stainless Steel models.



Quick reference guide

Filter family	Filter series	Visual indicators	Electrical indicators	Electrical / Visual indicators	
SPIN-ON FILTERS	Inline / Suction line with bypass valve 0.3 bar	MPS 050 - 070	DVA12xP01	DEA12xA50P01	DLA12xA51P01 DLA12xA52P01 DLA12xA71P01
		MPS 100 - 150	DVM12xP01	DEM12XX10P01 DEM12XX20P01 DEM12XX30P01 DEM12XX35P01	DLE12xA50P01 DLE12xF50P01
		MPS 200 - 250 MPS 300 - 350	VVB16P01 VVS16P01	VEB21AA50P01	VLB21AA51P01 VLB21AA52P01 VLB21AA53P01 VLB21AA71P01
SPIN-ON FILTERS	Inline / Return line with bypass valve 1.75 bar	MPS 051 - 071	DVA12xP01	DEA12xA50P01	DLA12xA51P01 DLA12xA52P01 DLA12xA71P01
		MPS 100 - 150 MPS 101 - 151	DVM12xP01 BVA14P01	DEM12XX10P01 DEM12XX20P01 DEM12XX30P01 DEM12XX35P01	DLE12xA50P01 DLE12xF50P01
		MPS 200 - 250 MPS 300 - 301 MPS 350 - 351	BVR14P01 BVP15HP01 BVQ15HP01	BEA15HA50P01 BEM15HA41P01	BLA15HA51P01 BLA15HA52P01 BLA15HA53P01 BLA15HA71P01
SPIN-ON FILTERS	Without bypass valve U type	MPS 050 - 070	DVA20xP01	DEA20xA50P01	DLA20xA51P01 DLA20xA52P01 DLA20xA71P01
		MPS 100 - 150	DVM20xP01	DEM20XX10P01 DEM20XX20P01 DEM20XX30P01 DEM20XX35P01	DLE20xA50P01 DLE20xF50P01
		MPS 200 - 250 MPS 300 - 350	BVA25P01 BVR25P01		
SPIN-ON FILTERS	Without bypass valve P type	MPS 051 - 071	BVP20HP01	BEA20HA50P01	BLA20HA51P01 BLA20HA52P01 BLA20HA53P01 BLA20HA71P01
		MPS 101 - 151	BVQ20HP01	BEM20HA41P01	
		MPS 301 - 351			

VACUUM INDICATORS


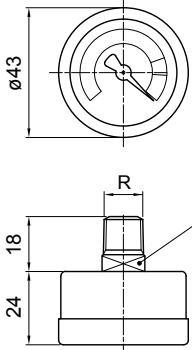
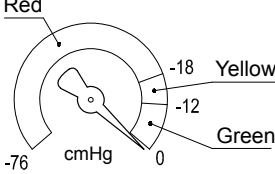
Dimensions


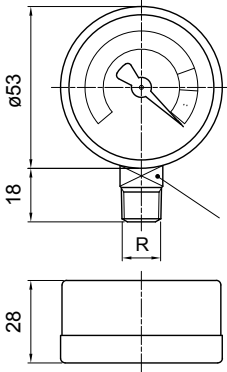
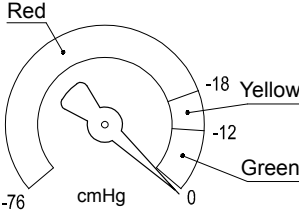
VE*50	
Electrical Vacuum Indicator	
R	Ordering code
EN 10226 - R1/8"	VE B 21 A A 50 P01
<p>Hydraulic symbol</p>	
<p>Electrical symbol</p>	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Base: Black polyamide - Contacts: Silver - Seal: NBR 	
<p>Technical data</p> <ul style="list-style-type: none"> - Vacuum setting: -0.21 bar ±10% - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529 	
<p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: EN 175301-803 - Resistive load: 5 A / 14 Vdc, 4 A / 30 Vdc, 5 A / 125 Vac, 4 A / 250 Vac - Available ATEX product: I M1 Ex ia I Ma, II 1GD Ex ia IIC Tx Ex ia IIIC Tx°C X - CE certification 	



VL*51 - VL*52 - VL*53	
Electrical/Visual Vacuum Indicator	
R	Ordering code
EN 10226 - R1/8"	VL B 21 A A xx P01
<p>Hydraulic symbol</p>	
<p>Electrical symbol</p>	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Base: Transparent polyamide - Contacts: Brass - Polyamide - Seal: NBR 	
<p>Technical data</p> <ul style="list-style-type: none"> - Vacuum setting: -0.21 bar ±10% - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529 	
<p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: EN 175301-803 - Type: 51, 52, 53 - Lamps: 24 Vdc, 110 Vdc, 230 Vac - Resistive load: 1 A / 24 Vdc, 1 A / 110 Vdc, 1 A / 230 Vac 	

VL*71	
Electrical/Visual Vacuum Indicator	
Connections	Ordering code
EN 10226 - R1/8"	VL B 21 A A 71 P01
<p>Hydraulic symbol</p>	
<p>Electrical symbol</p>	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Base: Black polyamide - Contacts: Silver - Seal: NBR 	
<p>Technical data</p> <ul style="list-style-type: none"> - Vacuum setting: -0.21 bar ±10% - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529 	
<p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: IEC 61076-2-101 D (M12) - Lamps: 24 Vdc - Resistive load: 0.4 A / 24 Vdc 	

VVB		Hydraulic symbol	Materials								
Axial Vacuum Gauge											
R	Ordering code		- Case: Painted steel - Window: Transparent plastic - Dial: Painted steel - Pointer: Painted Aluminium - Pressure connection: Brass - Pressure element: Bourdon tube Cu-alloy soft soldered								
EN 10226 - R1/8"	VV B 16 P01										
 <p>A/F 27 Max tightening torque: 6.5 N·m</p>		Dial scale 	Technical data - Max working pressure: Static: 7 bar Fluctuating: 6 bar Short time: 10 bar - Working temperature: From -40 °C to +60 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Accuracy: Class 2.5 according to EN 13190 - Degree of protection: IP31 according to EN 60529								
		Conversion to SI units <table border="1"> <thead> <tr> <th>[cmHg]</th> <th>[bar]</th> </tr> </thead> <tbody> <tr> <td>-12</td> <td>-0.16</td> </tr> <tr> <td>-18</td> <td>-0.24</td> </tr> <tr> <td>-76</td> <td>-1.01</td> </tr> </tbody> </table>	[cmHg]	[bar]	-12	-0.16	-18	-0.24	-76	-1.01	
[cmHg]	[bar]										
-12	-0.16										
-18	-0.24										
-76	-1.01										

VVS		Hydraulic symbol	Materials								
Radial Vacuum Gauge											
R	Ordering code		- Case: Painted steel - Window: Transparent plastic - Dial: Painted steel - Pointer: Painted Aluminium - Pressure connection: Brass - Pressure element: Bourdon tube Cu-alloy soft soldered								
EN 10226 - R1/8"	VV S 16 P01										
 <p>A/F 11 Max tightening torque: 6.5 N·m</p>		Dial scale 	Technical data - Max working pressure: Static: 7 bar Fluctuating: 6 bar Short time: 10 bar - Working temperature: From -40 °C to +60 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Accuracy: Class 2.5 according to EN 13190 - Degree of protection: IP31 according to EN 60529								
		Conversion to SI units <table border="1"> <thead> <tr> <th>[cmHg]</th> <th>[bar]</th> </tr> </thead> <tbody> <tr> <td>-12</td> <td>-0.16</td> </tr> <tr> <td>-18</td> <td>-0.24</td> </tr> <tr> <td>-76</td> <td>-1.01</td> </tr> </tbody> </table>	[cmHg]	[bar]	-12	-0.16	-18	-0.24	-76	-1.01	
[cmHg]	[bar]										
-12	-0.16										
-18	-0.24										
-76	-1.01										

DESIGNATION & ORDERING CODE									
Series		Configuration example 1:	VE	B	21	A	A	50	P01
VE	Electrical vacuum indicator	Configuration example 2:	VL	B	21	A	A	71	P01
VL	Electrical/Visual vacuum indicator	Configuration example 3:	VV	S	16				P01
VV	Vacuum gauge								
Type VE - VL		Type VV							
B	Connection EN 10226 - R1/8"	B	Axial connection EN 10226 - R1/8"						
		S	Radial connection EN 10226 - R1/8"						
Vacuum setting		VE	VL	VV					
16	-0.16 bar	-	-	•					
21	-0.21 bar	•	•	-					
Seals		VE	VL	VV					
A	NBR	•	•	-					
Thermostat		VE	VL	VV					
A	Without	•	•	-					
Electrical connections		VE	VL	VV					
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 Vdc	-	•	-					
71	Connection IEC 61076-2-101 D (M12), black base with lamps 24 Vdc	-	•	-					
									Option
									P01 MP Filtri standard
									Pxx Customized

BAROMETRIC INDICATORS

Dimensions

BEA*50	
Electrical Pressure Indicator	
Settings	Ordering code
1.5 bar ±10%	BE A 15 H A 50 P01
2.0 bar ±10%	BE A 20 H A 50 P01
<p>A/F 27 Max tightening torque: 3 N·m (on polyamide filter cover) 6.5 N·m (on aluminium filter)</p> <p>EN 10226 - R1/8"</p>	
<p>Hydraulic symbol</p> <p>Electrical symbol</p>	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Base: Black polyamide - Contacts: Silver - Seal: HNBR <p>Technical data</p> <ul style="list-style-type: none"> - Max working pressure: 40 bar - Proof pressure: 60 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529 <p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: EN 175301-803 - Resistive load: 5 A / 14 Vdc 4 A / 30 Vdc 5 A / 125 Vac 4 A / 250 Vac - Available ATEX product: I M1 Ex ia I Ma II 1GD Ex ia IIC TX Ga Ex ia IIIC TX °C Da - CE certification 	



BEM*41	
Electrical Pressure Indicator	
Settings	Ordering code
1.5 bar ±10%	BE M 15 H A 41 P01
2.0 bar ±10%	BE M 20 H A 41 P01
<p>A/F 27 Max tightening torque: 3 N·m (on polyamide filter cover) 6.5 N·m (on aluminium filter)</p> <p>EN 10226 - R1/8"</p>	
<p>Hydraulic symbol</p> <p>Electrical symbol</p>	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Base: Black polyamide - Contacts: Silver - Seal: HNBR <p>Technical data</p> <ul style="list-style-type: none"> - Max working pressure: 40 bar - Proof pressure: 60 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP67 according to EN 60529 <p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: Four-core cable - Resistive load: 5 A / 14 Vdc 4 A / 30 Vdc 5 A / 125 Vac 4 A / 250 Vac - CE certification On request this indicator can be provided with main connectors in use for wirings. 	

BL*51 - BL*52 - BL*53	
Electrical/Visual Pressure Indicator	
Settings	Ordering code
1.5 bar ±10%	BL A 15 H A xx P01
2.0 bar ±10%	BL A 20 H A xx P01
<p>A/F 27 Max tightening torque: 3 N·m (on polyamide filter cover) 6.5 N·m (on aluminium filter)</p> <p>EN 10226 - R1/8"</p>	
<p>Hydraulic symbol</p> <p>Electrical symbol</p>	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Base: Transparent polyamide - Contacts: Silver - Seal: HNBR <p>Technical data</p> <ul style="list-style-type: none"> - Max working pressure: 40 bar - Proof pressure: 60 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP65 according to EN 60529 <p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: EN 175301-803 - Type: 51 52 53 - Lamps: 24 Vdc 110 Vdc 230 Vac - Resistive load: 1 A / 24 Vdc 1 A / 110 Vdc 1 A / 230 Vac 	

BL*71	
Electrical/Visual Pressure Indicator	
Settings	Ordering code
1.5 bar ±10%	BL A 15 HA 71 P01
2.0 bar ±10%	BL A 20 HA 71 P01

A/F 27
Max tightening torque:
3 N·m (on polyamide filter cover)
6.5 N·m (on aluminium filter)

EN 10226 - R1/8"

Hydraulic symbol

Electrical symbol

Materials

- Body: Brass
- Base: Black polyamide
- Contacts: Silver
- Seal: HNBR

Technical data

- Max working pressure: 40 bar
- Proof pressure: 60 bar
- Working temperature: From -25 °C to +80 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943
- Degree of protection: IP65 according to EN 60529

Electrical data

- Electrical connection: IEC 61076-2-101 D (M12)
- Lamps: 24 Vdc
- Resistive load: 0.4 A / 24 Vdc

BVA	
Axial Pressure Gauge	
Settings	Ordering code
1.4 bar ±10%	BV A 14 P01
2.5 bar ±10%	BV A 25 P01

A/F 11
Max tightening torque:
3 N·m (on polyamide filter cover)
6.5 N·m (on aluminium filter)

EN 10226 - R1/8"

Hydraulic symbol

Dial scale

BV A 14 P01

BV A 25 P01

Materials

- Case: Painted steel
- Window: Transparent plastic
- Dial: Painted steel
- Pointer: Painted Aluminium
- Pressure connection: Brass
- Pressure element: Bourdon tube Cu-alloy soft soldered

Technical data

- Max working pressure: Static: 7 bar
Fluctuating: 6 bar
Short time: 10 bar
- Working temperature: From -40 °C to +60 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943
- Accuracy: Class 2.5 according to EN 13190
- Degree of protection: IP31 according to EN 60529

BVR	
Radial Pressure Gauge	
Settings	Ordering code
1.4 bar ±10%	BV R 14 P01
2.5 bar ±10%	BV R 25 P01

A/F 11
Max tightening torque:
3 N·m (on polyamide filter cover)
6.5 N·m (on aluminium filter)

EN 10226 - R1/8"

Hydraulic symbol

Dial scale

BV R 14 P01

BV R 25 P01

Materials

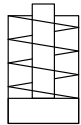
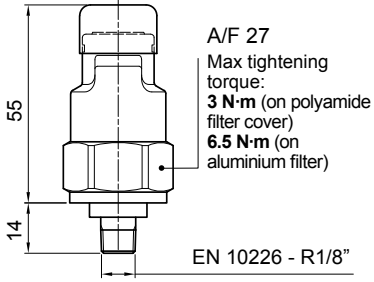
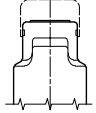
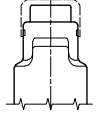
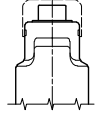
- Case: Painted steel
- Window: Transparent plastic
- Dial: Painted steel
- Pointer: Painted Aluminium
- Pressure connection: Brass
- Pressure element: Bourdon tube Cu-alloy soft soldered

Technical data

- Max working pressure: Static: 7 bar
Fluctuating: 6 bar
Short time: 10 bar
- Working temperature: From -40 °C to +60 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943
- Accuracy: Class 2.5 according to EN 13190
- Degree of protection: IP31 according to EN 60529

BAROMETRIC INDICATORS

Dimensions

BVP - BVQ		Hydraulic symbol	Materials	
Visual Pressure Indicator				
Setting	Ordering code			
1.5 bar ±10%	BV P 15 H P01		Technical data - Reset: BVP - Automatic reset BVQ - Manual reset - Max working pressure: 10 bar - Proof pressure: 15 bar - Working temperature: From -25 °C to +80 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree of protection: IP45 according to EN 60529	
	2.0 bar ±10%			BV Q 15 H P01
				BV P 20 H P01
	BV Q 20 H P01			
		Signals		
		 Absence of pressure (no indicator)	 Presence of pressure (green button rises gradually)	 Clogged filter element (red button risen)

DESIGNATION & ORDERING CODE

Series	Configuration example 1:	BE	M	15	H	A	41	P01
BE Electrical pressure indicator	Configuration example 2:	BL	A	20	H	A	71	P01
BL Electrical/Visual pressure indicator	Configuration example 3:	BV	R	14				P01
BV Visual pressure indicator	Configuration example 4:	BV	P	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
			P Visual indicator with automatic reset
			Q Visual indicator with manual reset

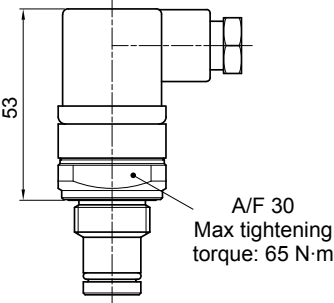
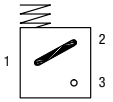
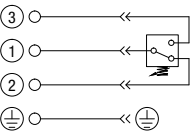
Pressure setting	BEA-BEM	BLA	BVA-BVR	BVP-BVQ
14 1.4 bar	-	-	•	-
15 1.5 bar	•	•	-	-
20 2 bar	•	•	-	•
25 2.5 bar	-	-	•	-

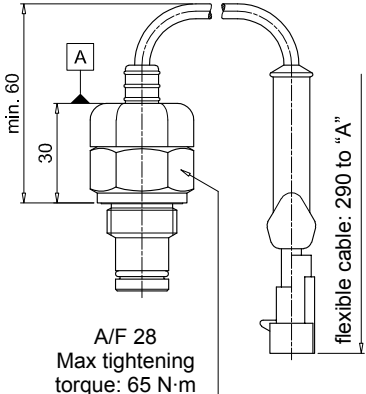
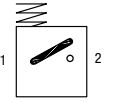
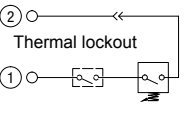
Seals	BE	BLA	BVA-BVR	BVP-BVQ
H HNBR	•	•	-	•

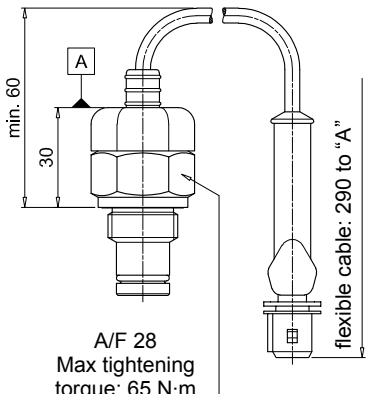
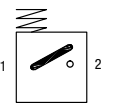
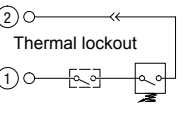
Thermostat	BEA-BEM	BLA	BV
A Without	•	•	-

Electrical connections	BEA	BEM	BL	BV
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 Vdc	-	-	•	-
71 Connection IEC 61076-2-101 D (M12), black base with lamps 24 Vdc	-	-	•	-

Option
P01 MP Filtri standard
Pxx Customized

DEA*50	
Electrical Differential Indicator	
Settings	Ordering code
1.2 bar $\pm 10\%$	DE A 12 x A 50 P01
2.0 bar $\pm 10\%$	DE A 20 x A 50 P01
	
<p>Hydraulic symbol</p> 	
<p>Electrical symbol</p> 	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Base: Black polyamide - Contacts: Silver - Seal: HNBR - FPM 	
<p>Technical data</p> <ul style="list-style-type: none"> - Max working pressure: 420 bar - Proof pressure: 630 bar - Burst pressure: 1260 bar - Working temperature: From -25 °C to +110 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree protection: IP66 according to EN 60529 IP69K according to ISO 20653 	
<p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: EN 175301-803 - Resistive load: 0.2 A / 115 Vdc 	

DEM*10	
Electrical Differential Indicator	
Settings	Ordering code
1.2 bar $\pm 10\%$	DE M 12 x x 10 P01
2.0 bar $\pm 10\%$	DE M 20 x x 10 P01
	
<p>Hydraulic symbol</p> 	
<p>Electrical symbol</p> 	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Base: Black polyamide - Contacts: Silver - Seal: HNBR - FPM 	
<p>Technical data</p> <ul style="list-style-type: none"> - Max working pressure: 420 bar - Proof pressure: 630 bar - Burst pressure: 1260 bar - Working temperature: From -25 °C to +110 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree protection: IP66 according to EN 60529 	
<p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: AMP Superseal series 1.5 - Resistive load: 0.2 A / 115 Vdc - Switching type: Normally open contacts (NC on request) - Thermal lockout: Normally open up to 30 °C (option "F") 	

DEM*20	
Electrical Differential Indicator	
Settings	Ordering code
1.2 bar $\pm 10\%$	DE M 12 x x 20 P01
2.0 bar $\pm 10\%$	DE M 20 x x 20 P01
	
<p>Hydraulic symbol</p> 	
<p>Electrical symbol</p> 	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Base: Black polyamide - Contacts: Silver - Seal: HNBR - FPM 	
<p>Technical data</p> <ul style="list-style-type: none"> - Max working pressure: 420 bar - Proof pressure: 630 bar - Burst pressure: 1260 bar - Working temperature: From -25 °C to +110 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree protection: IP66 according to EN 60529 	
<p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: AMP Time junior - Resistive load: 0.2 A / 115 Vdc - Switching type: Normally open contacts (NC on request) - Thermal lockout: Normally open up to 30 °C (option "F") 	

DLA*71	
Electrical/Visual Differential Indicator	
Settings	Ordering code
1.2 bar \pm 10%	DL A 12 x A 71 P01
2.0 bar \pm 10%	DL A 20 x A 71 P01

Hydraulic symbol

Electrical symbol

Materials

- Body: Brass
- Base: Black polyamide
- Contacts: Silver
- Seal: HNBR - FPM

Technical data

- Max working pressure: 420 bar
- Proof pressure: 630 bar
- Burst pressure: 1260 bar
- Working temperature: From -25 °C to +110 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree protection: IP65 according to EN 60529
IP69K according to ISO 20653

Electrical data

- Electrical connection: IEC 61076-2-101 D (M12)
- Lamps: 24 Vdc
- Resistive load: 0.4 A / 24 Vdc

DLE*A50	
Electrical/Visual Differential Indicator	
Settings	Ordering code
1.2 bar \pm 10%	DL E 12 x A 50 P01
2.0 bar \pm 10%	DL E 20 x A 50 P01

Hydraulic symbol

Electrical symbol

Materials

- Body: Brass
- Base: Black polyamide
- Contacts: Silver
- Seal: HNBR - FPM

Technical data

- Max working pressure: 420 bar
- Proof pressure: 630 bar
- Burst pressure: 1260 bar
- Working temperature: From -25 °C to +110 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree protection: IP65 according to EN 60529

Electrical data

- Electrical connections: EN 175301-803
- Resistive load: 5 A / 250 Vac
- Available the connector with lamps

DLE*F50	
Electrical/Visual Differential Indicator	
Settings	Ordering code
1.2 bar \pm 10%	DL E 12 x F 50 P01
2.0 bar \pm 10%	DL E 20 x F 50 P01

Hydraulic symbol

Electrical symbol

Materials

- Body: Brass
- Base: Black polyamide
- Contacts: Silver
- Seal: HNBR - FPM

Technical data

- Max working pressure: 420 bar
- Proof pressure: 630 bar
- Burst pressure: 1260 bar
- Working temperature: From -25 °C to +110 °C
- Compatibility with fluids: Mineral oils, Synthetic fluids
HFA, HFB, HFC according to ISO 2943
- Degree protection: IP65 according to EN 60529

Electrical data

- Electrical connections: EN 175301-803
- Resistive load: 5 A / 250 Vac
- Thermal lockout setting: +30 °C

DIFFERENTIAL INDICATORS

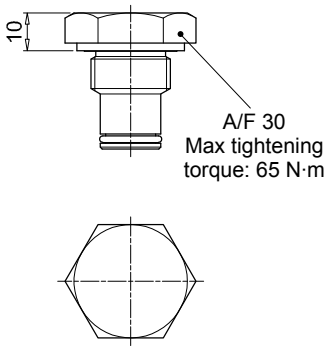
Dimensions

DTA*70																					
Electronic Differential Indicator																					
Settings	Ordering code																				
1.2 bar \pm 10%	DT A 12 x x 70 P01																				
2.0 bar \pm 10%	DT A 20 x x 70 P01																				
<p>Hydraulic symbol</p>																					
<p>Electrical symbol</p> <table border="0"> <tr> <td>①</td> <td>○</td> <td>○</td> <td>+24 Vdc</td> </tr> <tr> <td>②</td> <td>○</td> <td>○</td> <td>4 \div 20 mA</td> </tr> <tr> <td>③</td> <td>○</td> <td>○</td> <td>75% - N.O. Digital output</td> </tr> <tr> <td>④</td> <td>○</td> <td>○</td> <td>100% - N.O. Digital output</td> </tr> <tr> <td>⑤</td> <td>○</td> <td>○</td> <td>0 Vdc</td> </tr> </table>		①	○	○	+24 Vdc	②	○	○	4 \div 20 mA	③	○	○	75% - N.O. Digital output	④	○	○	100% - N.O. Digital output	⑤	○	○	0 Vdc
①	○	○	+24 Vdc																		
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④	○	○	100% - N.O. Digital output																		
⑤	○	○	0 Vdc																		
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Internal parts: Brass - Polyamide - Contacts: Silver - Seal: HNBR - FPM 																					
<p>Technical data</p> <ul style="list-style-type: none"> - Max working pressure: 420 bar - Proof pressure: 630 bar - Burst pressure: 1260 bar - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree protection: IP67 according to EN 60529 																					
<p>Electrical data</p> <ul style="list-style-type: none"> - Electrical connection: IEC 61076-2-101 D (M12) - Power supply: 24 Vdc - Analogue output: From 4 to 20 mA - Thermal lockout: 30 °C (all output signals stalled up to 30 °C) 																					



DVA	
Visual Differential Indicator	
Settings	Ordering code
1.2 bar \pm 10%	DV A 12 x P01
2.0 bar \pm 10%	DV A 20 x P01
<p>Hydraulic symbol</p>	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Internal parts: Brass - Polyamide - Contacts: Silver - Seal: HNBR - FPM 	
<p>Technical data</p> <ul style="list-style-type: none"> - Reset: Automatic reset - Max working pressure: 420 bar - Proof pressure: 630 bar - Burst pressure: 1260 bar - Working temperature: From -25 °C to +110 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree protection: IP65 according to EN 60529 	

DVM	
Visual Differential Indicator	
Settings	Ordering code
1.2 bar \pm 10%	DV M 12 x P01
2.0 bar \pm 10%	DV M 20 x P01
<p>Hydraulic symbol</p>	
<p>Materials</p> <ul style="list-style-type: none"> - Body: Brass - Internal parts: Brass - Polyamide - Contacts: Silver - Seal: HNBR - FPM 	
<p>Technical data</p> <ul style="list-style-type: none"> - Reset: Manual reset - Max working pressure: 420 bar - Proof pressure: 630 bar - Burst pressure: 1260 bar - Working temperature: From -25 °C to +110 °C - Compatibility with fluids: Mineral oils, Synthetic fluids HFA, HFB, HFC according to ISO 2943 - Degree protection: IP65 according to EN 60529 	

T2		Materials - Body: Phosphatized steel - Seal: HNBR / FPM
Indicator plug		
Seal	Ordering code	
HNBR	T2 H	
FPM	T2 V	
		

DESIGNATION & ORDERING CODE - DIFFERENTIAL INDICATORS									
Series		Configuration example 1: <input type="text" value="DE"/> <input type="text" value="M"/> <input type="text" value="12"/> <input type="text" value="H"/> <input type="text" value="F"/> <input type="text" value="50"/> <input type="text" value="P01"/>							
DE Electrical differential indicator		Configuration example 2: <input type="text" value="DL"/> <input type="text" value="E"/> <input type="text" value="20"/> <input type="text" value="V"/> <input type="text" value="A"/> <input type="text" value="71"/> <input type="text" value="P01"/>							
DL Electrical/Visual differential indicator		Configuration example 3: <input type="text" value="DT"/> <input type="text" value="A"/> <input type="text" value="12"/> <input type="text" value="H"/> <input type="text" value="F"/> <input type="text" value="70"/> <input type="text" value="P01"/>							
DT Electronic differential indicator		Configuration example 4: <input type="text" value="DV"/> <input type="text" value="M"/> <input type="text" value="20"/> <input type="text" value="V"/> <input type="text" value="P01"/>							
DV Visual differential indicator									
Type	DE	DL	DT	DV					
A Standard type	•	•	•	A With automatic reset					
M With wired electrical connection	•	-	-	M With manual reset					
E For high power supply	-	•	-						
Pressure setting									
12	1.2 bar								
20	2.0 bar								
Seals									
H	HNBR								
V	FPM								
Thermostat				DEA	DEM	DLA	DLE	DT	DV
A	Without			•	•	•	-	-	-
F	With thermostat			-	•	-	•	•	-
Electrical connections				DEA	DEM	DLA	DLE	DT	DV
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			-	-	•	-	-	-
Option									
P01 MP Filtri standard									
Pxx Customized									

DESIGNATION & ORDERING CODE - DIFFERENTIAL INDICATOR PLUG		
Series		Configuration example <input type="text" value="T2"/> <input type="text" value="H"/>
T2 Indicator plug		
Seals		
H HNBR		
V FPM		