

LMP 952 - 954

Maximum pressure 25 bar
Flow rates to 3000 l/min



Technical data

Filter housing (Materials)

- Head: Anodized Aluminium
- Housing: Anodized Aluminium
- Manifolds: Welded - Phosphated Steel
- Bypass valve: Anodized Aluminium

Pressure

- Working pressure: 25 bar (2,5 MPa)
- Test pressure: 35 bar (3,5 MPa)

Temperature

- From -25 °C to +110 °C

Bypass valve

- Opening pressure 3,5 bar \pm 10%
- Other opening pressures on request.

Number of filter elements

- LMP 952: 2 filter elements CU950-3
- LMP 953: 3 filter elements CU950-3
- LMP 954: 4 filter elements CU950-3
- LMP 955: 5 filter elements CU950-3
- LMP 956: 6 filter elements CU950-3

Δp Elements type

- Microfibre filter elements series N: 20 bar
- Fluid flow through the filter element from OUT to IN.

Seals

- Standard NBR series A
- Optional FPM series V

LMP 952-954 FILTERS ARE PROVIDED FOR VERTICAL MOUNTING

Weights (kg)

Length	3
• LMP952	96
• LMP953	138
• LMP954	192

Volumes (dm³)

Length	3
• LMP952	66
• LMP953	99
• LMP954	132

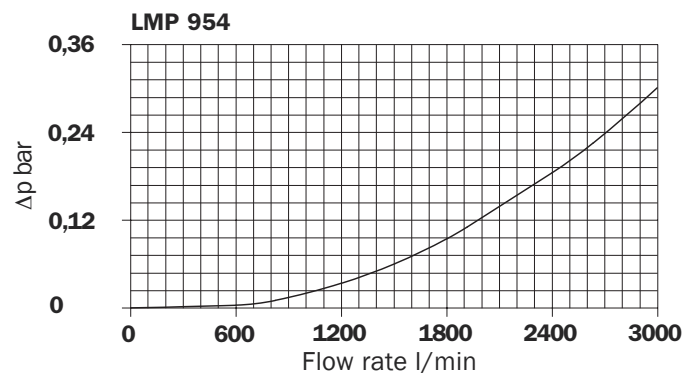
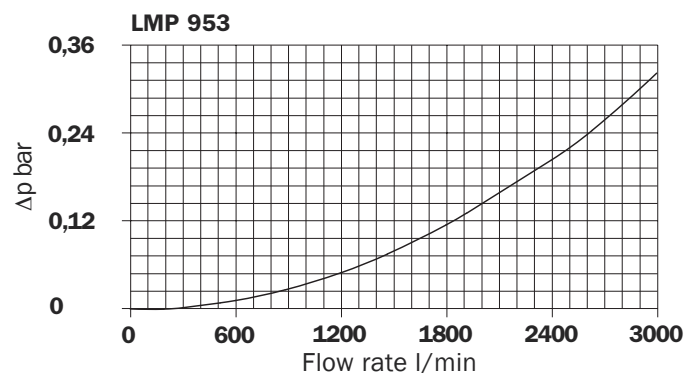
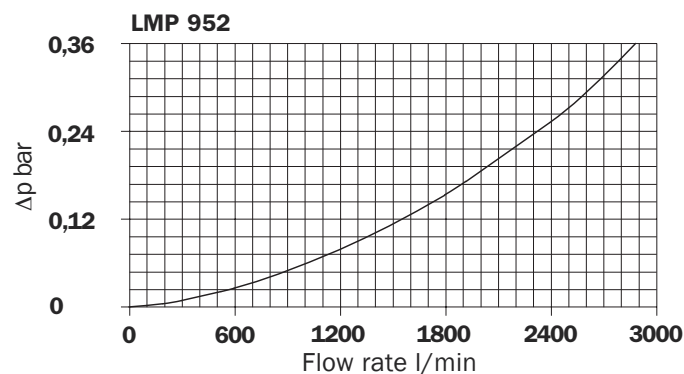
Connections

- LMP 952-956: In-line Inlet/Outlet

Filter housings Δp pressure drop

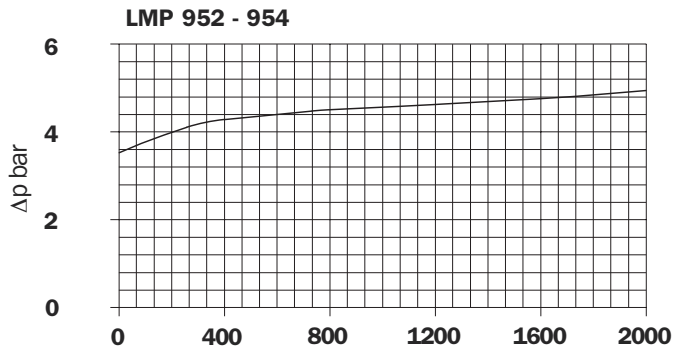
The curves are plotted utilising mineral oil with density of 0,86 kg/dm³ to ISO 3968.

Δp varies proportionally with density.

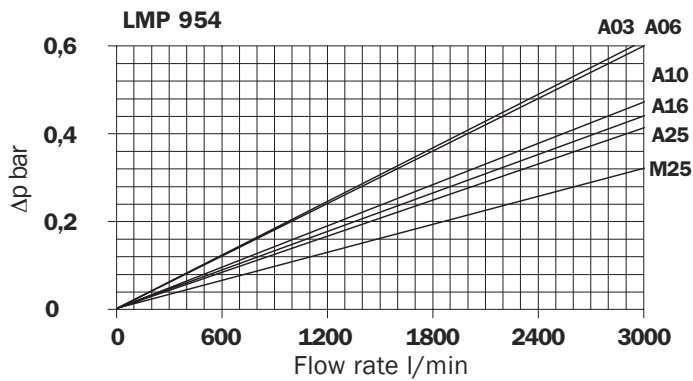
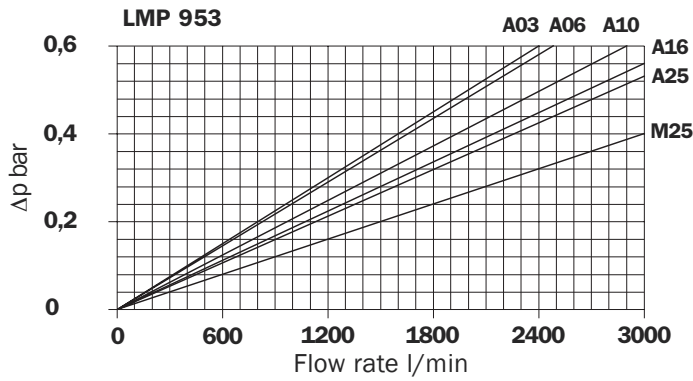
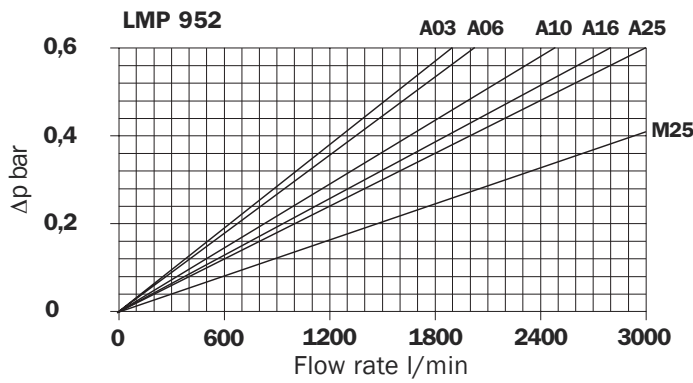


Valves

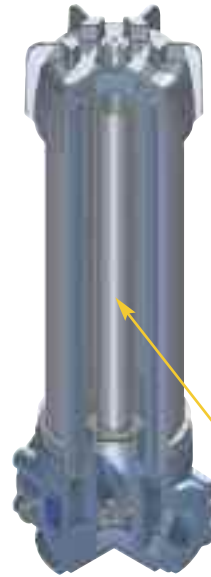
Bypass valve pressure drop



Pressure drop of filter complete with cartridge, oil viscosity 30 mm²/s (cSt)



Option P02 for LMP 952 - 954

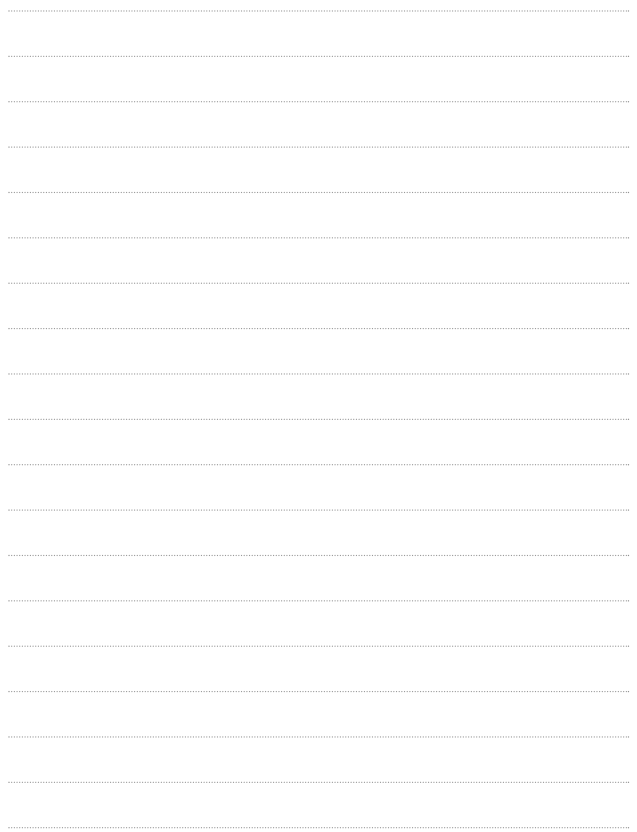
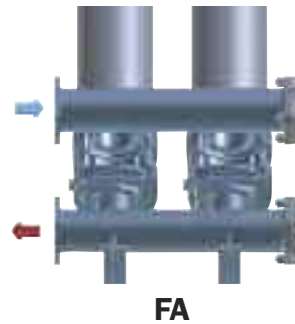


Option P02 "Internal tube for reduced flow rate" is recommended for flow rate values below:
 LMP 952 - 300 l/min
 LMP 953 - 450 l/min
 LMP 954 - 600 l/min
 The use of option P02 makes it easier to fill the housing with the operating fluid.

P02 "Internal tube for reduced flow rates"

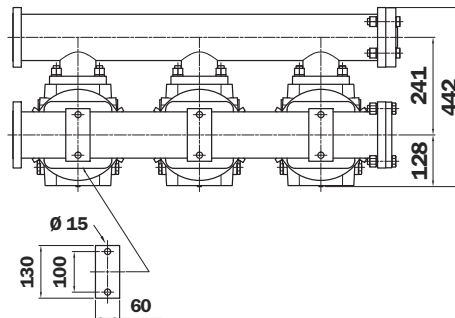
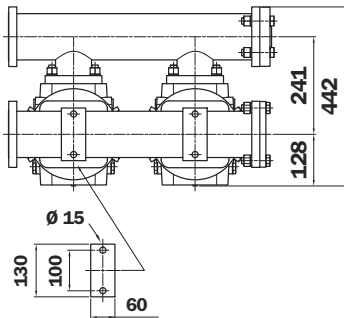
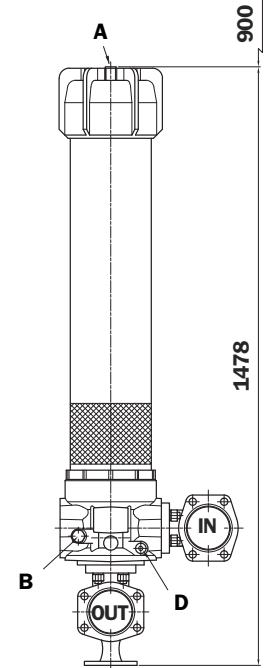
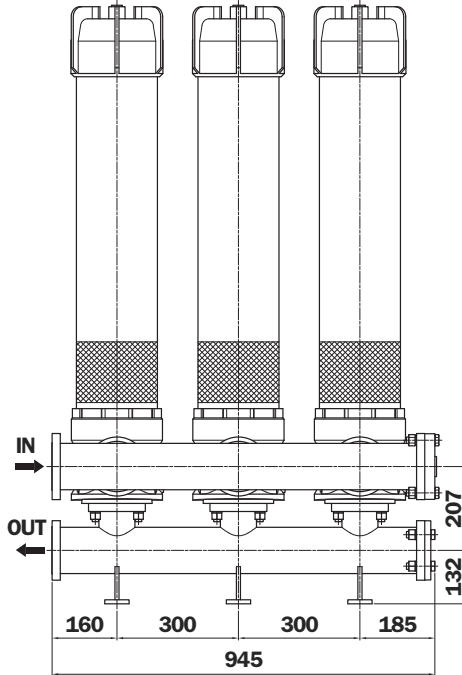
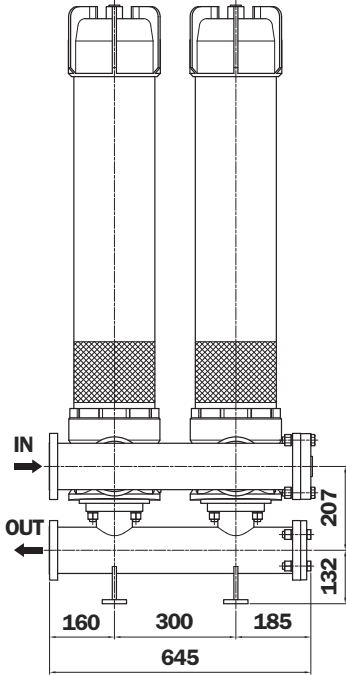
Manifolds

Position of manifolds IN - OUT connections



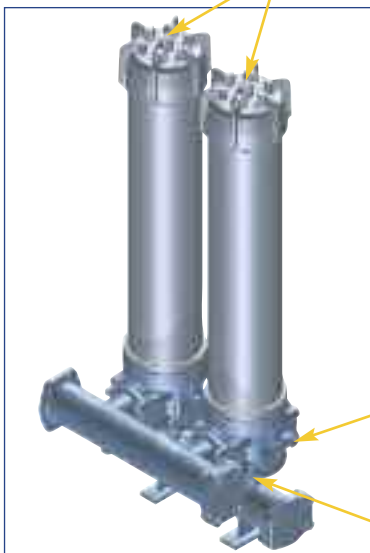
LMP 952

LMP 953



- A Breather plug
G 1/2" - A/F 10
- B Indicator port
Plug T2 - A/F 30
- D Oil drain plug
G 1/2" - A/F 10

Breather plug
G 1/2" - A/F 10

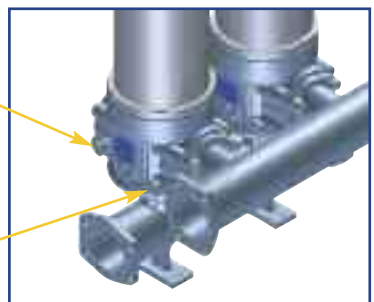


Indicator port
Plug T2 - A/F 30

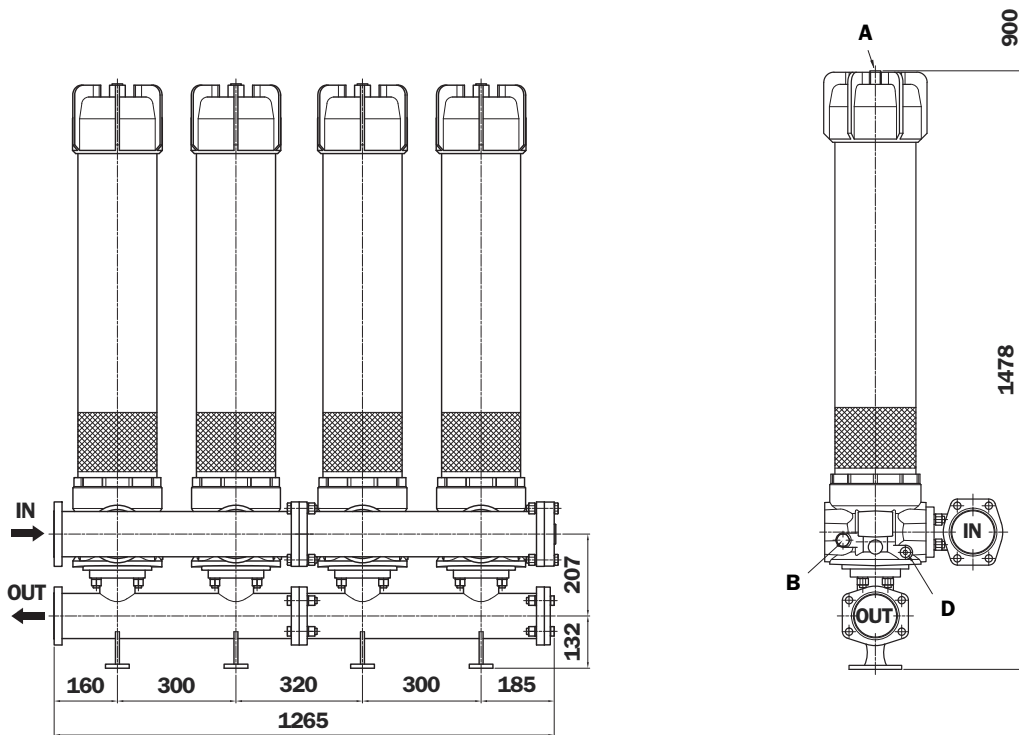
Oil drain plug
G 1/2" - A/F 10

Indicator port
Plug T2 - A/F 30

Oil drain plug
G 1/2" - A/F 10



LMP 954



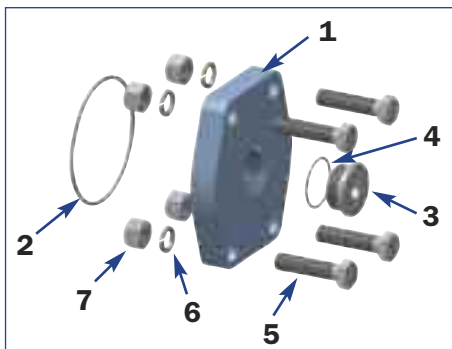
Option

Flange with oil drain plug for rapid discharge



Order code:

CMV4 - CUV4



CMV4

Bill of materials:

- 1 4" SAE flange
- 2 O-R 4437 (FPM) for flange
- 3 Plug G 1-1/4"
- 4 O-R 3168 for plug (FPM)
- 5 No. 4 Hexagon bolt screws UNI-EN 24017 M16 x 65-10.9
- 6 No. 4 Spring washers UNI 1751-B 16
- 7 No. 4 Nuts UNI 5587 - M16

CUV4

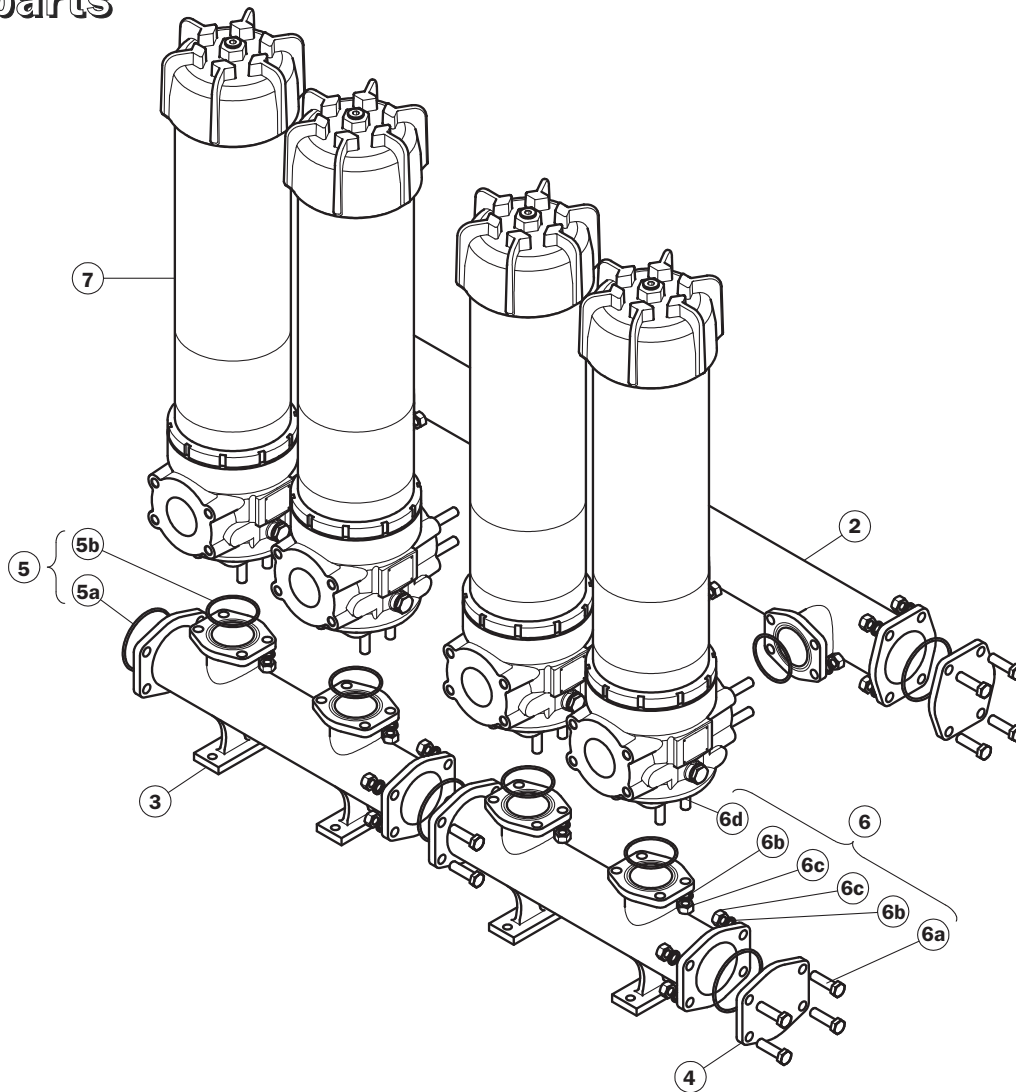
Bill of materials:

- 1 4" SAE flange
- 2 O-R 4437 (FPM) for flange
- 3 Plug SAE 20 1 5/8" - 12 UN
- 4 1147 O-R for plug (FPM)
- 5 No. 4 Hexagon bolt screws 5/8" UNC x 2 1/2"
- 6 No. 4 Spring washers UNI 1751-B 16
- 7 No. 4 Nuts 5/8" UNC

Oil drain plug

Code	CMV4	CUV4
Thread	G 1 1/4"	SAE 20

Spare parts



Item	Description	Q. ty			FILTER Series					
		LMP 952	LMP 953	LMP 954	LMP 952		LMP 953		LMP 954	
1	Filter assembly	1	1	1	See order table					
2	IN manifold	1	1	2	01039270		01039272		01039270	
3	OUT manifold	1	1	2	01039271		01039273		01039271	
4	4" SAE 3000 psi plugged flange	2	2	2	01042020					
5	Manifolds seal kit	1	1	1	NBR	FPM	NBR	FPM	NBR	FPM
					02050404	02050405	02050404	02050405	02050406	02050407
5a	IN-OUT O-Ring	4	4	6	O-R 4437 Ø 110,7 x 3,53					
5b	Manifolds/filter O-Ring	4	6	8	O-R 4337 Ø 85,32 x 3,53					
6	Threaded fasteners kit	1	1	1	02049051		02049052		02049053	
6a	Hexagon bolt screws	8	8	16	EN ISO 4017-M16x70-10.9					
6b	Spring washers	24	32	48	UNI 1751-B - DIN 127-B 16					
6c	Nuts	24	32	48	DIN 934-M16-10					
6d	Studs	16	24	32	UNI 5911-M16x40-10.9					
7	Filter	2	3	4	See order table LMP9513xxF1xxxNPOx page 241					
-	Filter spare parts Item 7	2	3	4	See spare parts table LMP 951 page 240					
-	Filter seals kit Item 7	2	3	4	See spare parts table LMP 951 page 240					

Ordering information LMP 952 - 954

Filter assembly LMP

	1	2	3	4	5	6	7	8a
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Example: LMP	953	3	B	A	FA	A10	N	P01

Filter element CU

	1	2	6	4	7	8b
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Example: CU	950	3	A10	A	N	P01 (nr. 3 filter elements required)

1 - Style

Filter

952
 953
 954

Filter element

950 2 filter elements
 950 3 filter elements
 950 4 filter elements

2 - Filter length

952
 953
 954

3 With 1 CU 950 cartridge
 3 With 2 CU 950 cartridges
 3 With 3 CU 950 cartridges

3 - Valves

S Without bypass
 B With bypass

4 - Filter seals

A NBR
 V FPM

5 - Connections

Flange 4" SAE 3000 PSI
 See page 245

6 - Filter element

<input type="checkbox"/> A03	Inorganic microfibre 3 µm	} Absolute filtration Inorganic Microfibre βx (c) ≥ 1000
<input type="checkbox"/> A06	Inorganic microfibre 6 µm	
<input type="checkbox"/> A10	Inorganic microfibre 10 µm	
<input type="checkbox"/> A16	Inorganic microfibre 16 µm	
<input type="checkbox"/> A25	Inorganic microfibre 25 µm	
<input type="checkbox"/> M25	Wire mesh 25 µm	} Nominal Filtration
<input type="checkbox"/> M60	Wire mesh 60 µm	
<input type="checkbox"/> M90	Wire mesh 90 µm	

7 - Max filter element differential pressure

N Δp 20 bar

8 - Option

a - Filter

P01 MP Filtri standard
 P02 With internal tube for reduced flow rate
 Pxx Customer request

b - Filter element

P01 MP Filtri standard
 Pxx Customer request

Option:

Flange with rapid discharge oil drain plug

See page 245

CMV4 Plug G 1 1/4"
CUV4 Plug SAE 20

For Clogging Indicator:
 See page 324

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