

# LMP 902 - 903

**Filter element in according to  
DIN 24550**

**Maximum pressure 20 bar  
Flow rates to 3000 l/min**



## Technical data

### Filter housing (Materials)

- Head: Anodized Aluminium
- Housing: Anodized Aluminium
- Manifolds: Welded - Phosphated Steel
- Bypass valve: Steel
- Size 1000 filter elements complying with DIN 24550 standard

### 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 902: 4 filter elements CU900
- LMP 903: 6 filter elements CU900

### Filter elements

- Filter element in according to with DIN 24550  
Size: 1000

### $\Delta p$ 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 902-903 FILTERS ARE PROVIDED FOR  
VERTICAL MOUNTING**

### Weights (kg)

Length	1
• LMP902	89,6
• LMP903	129,2

### Volumes (dm<sup>3</sup>)

Length	1
• LMP902	58
• LMP903	87

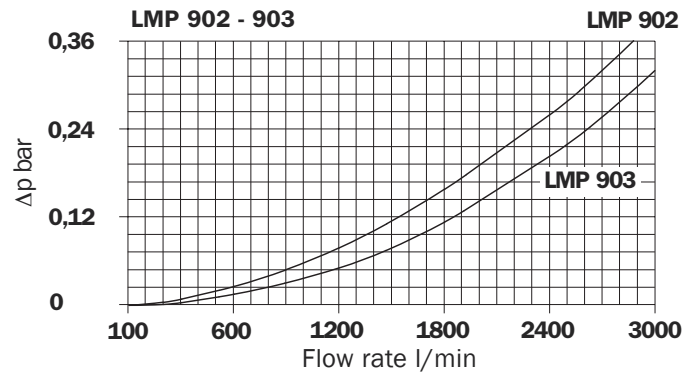
### Connections

- LMP 902-903: In-line Inlet/Outlet

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

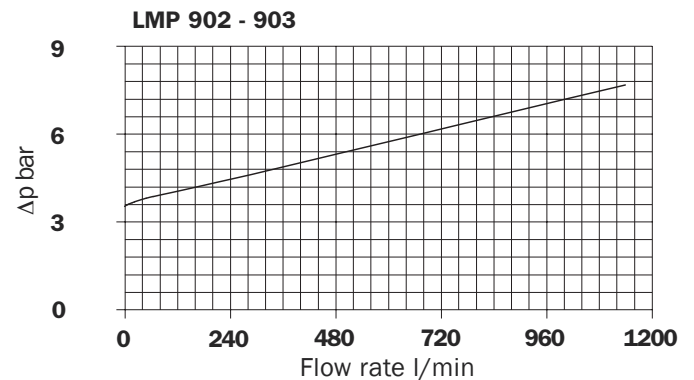
The curves are plotted utilising mineral oil with density of 0,86 kg/dm<sup>3</sup> to ISO 3968.

$\Delta p$  varies proportionally with density.



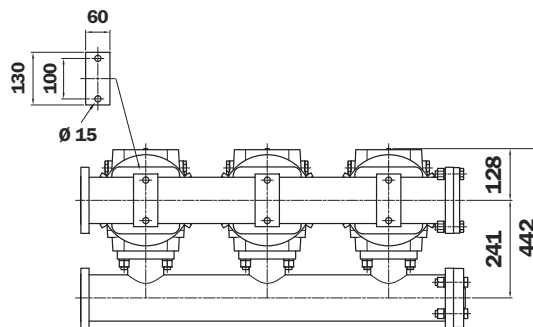
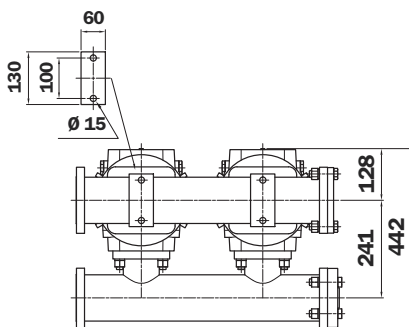
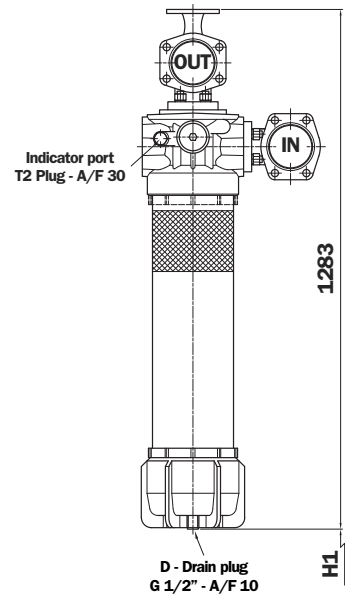
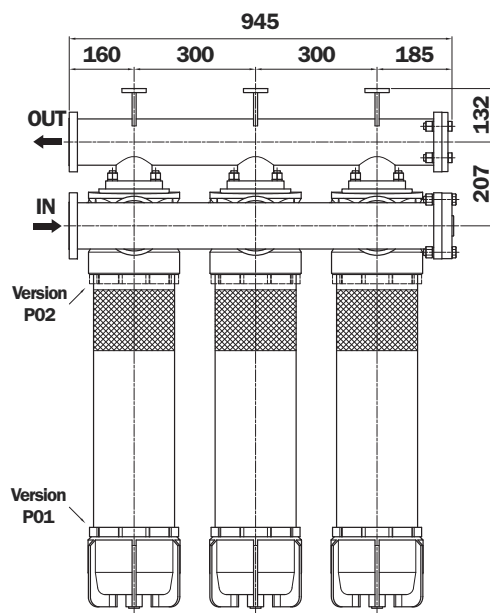
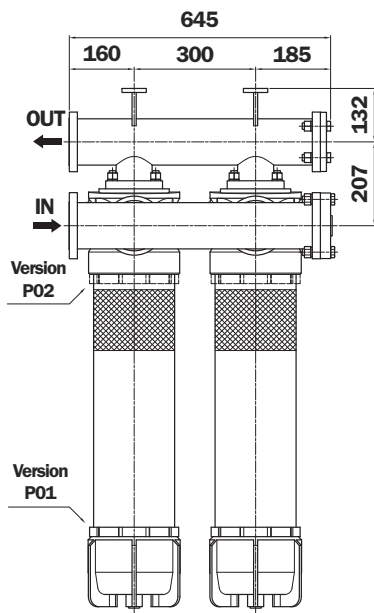
### Valves

#### Bypass valve pressure drop



# LMP 902

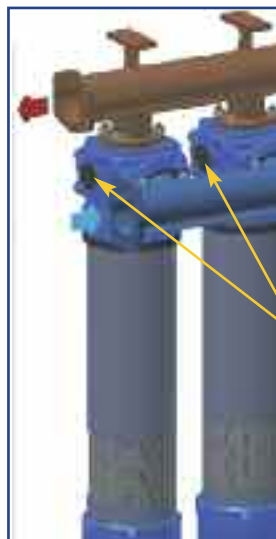
# LMP 903



Indicator port  
Plug T2 - A/F 30



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



Bypass valve  
A/F 17

## Manifolds

Position of manifolds IN - OUT connections



FA



FB



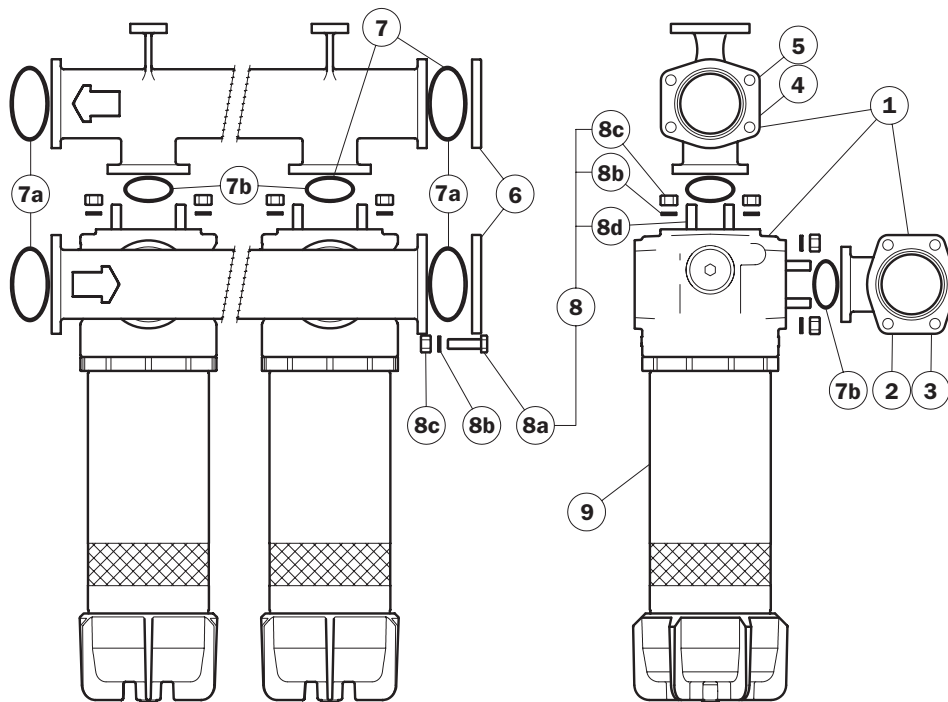
FC



FD

IN-LINE FILTER

# Spare parts



Item	Description	Q.ty		FILTER Series	
		LMP 902	LMP 903	LMP 902 - 903	
1	Filter assembly	1	1	See order table	
2	IN manifold with 2 filter connections	1	-	01039270	
3	IN manifold with 3 filter connections	-	1	01039272	
4	OUT manifold with 2 filter connections	1	-	01039271	
5	OUT manifold with 3 filter connections	-	1	01039273	
6	4" SAE 3000 psi plugged flange	2	2	01042020	
7	Manifolds seal kit	1	1	NBR 02050404	FPM 02050405
7a	IN-OUT O-Ring	4	4	O-R 4437 Ø 110,7 x 3,53	
7b	Manifolds/filter O-Ring	4	6	O-R 4337 Ø 85,32 x 3,53	
8	Threaded fasteners kit	1	1	LMP 902 02049051	LMP 903 02049052
8a	Hexagon bolt screws	8	8	UNI-EN 24017 M16 x 55-10.9	
8b	Spring washers	24	32	UNI 1751-B 16	
8c	Nuts	24	32	UNI-EN 24032-M16-10.9	
8d	Studs	16	24	M16 x 40 - 10.9	
9	Filter	2	3	See order table LMP9012xF1.....page 233	
-	Filter spare parts Item 9	2	3	See spare parts table LMP9012xF1.....page 232	
-	Filter seals kit Item 9	2	3	See spare parts table LMP9012xF1.....page 232	

# Ordering information LMP 902 - 903

## Filter assembly LMP

	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8a</b>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Example: LMP</b>	<b>903</b>	<b>2</b>	<b>B</b>	<b>A</b>	<b>FB</b>	<b>A10</b>	<b>N</b>	<b>P01</b>

## Filter element CU

	<b>1</b>	<b>6</b>	<b>4</b>	<b>7</b>	<b>8b</b>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Example: CU</b>	<b>900</b>	<b>A10</b>	<b>A</b>	<b>N</b>	<b>P01</b> (nr. 6 filter elements required)

### 1 - Style

#### Filter

**902**  
 **903**

#### Filter element

**900** With 4 filter elements  
 **900** With 6 filter elements

### 2 - Filter length

**902**  
 **903**

**2**  
 **2**

### 3 - Valves

**S** Without bypass  
 **B** With bypass

### 4 - Filter seals

**A** NBR  
 **V** FPM

### 5 - Connections

**Flange 4" SAE 3000 PSI**  
**LMP 902 - 903**

Type	<input type="text"/>
FA	See page 235
FB	
FC	
FD	

### 6 - Filter element

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

### 7 - Max filter element differential pressure

**N** Δp 20 bar

### 8 - Option

#### a - Filter

**P01** MP Filtri standard  
 **P02** Maintenance from base of housing  
 **Pxx** Customer request

#### b - Filter element

**P01** MP Filtri standard  
 **Pxx** Customer request

**For Clogging Indicator:**  
See page 318

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