

LABO-PURE

# LPS • M Type

## Major Applications

Lab-scale evaluation of various liquids

Small to medium scale production applications



### Features

- Polypropylene capsule filter with no housing required
- Six (6) types of connector options are available.
- Wide selection of built-in filters

### Advantages

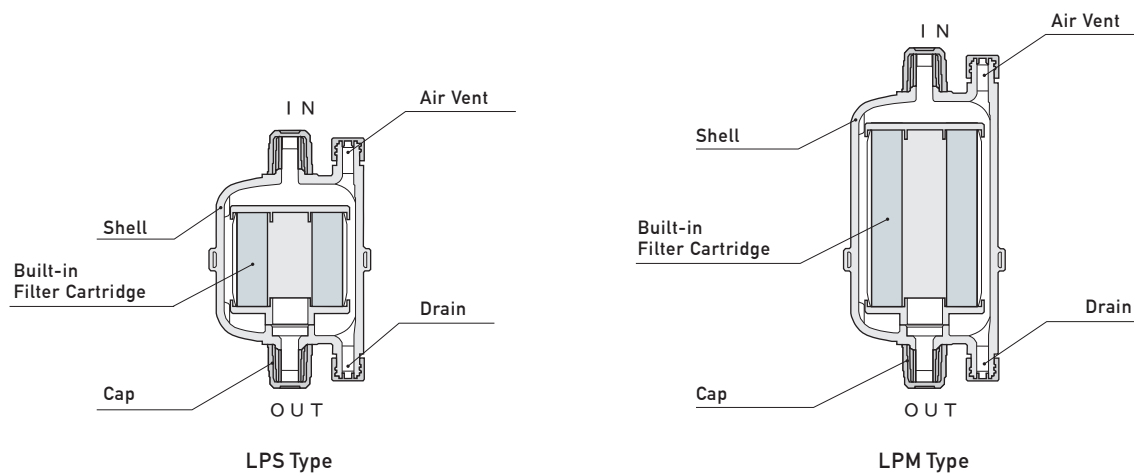
- No need to clean housing
- Simple filtration evaluation
- Can be selected according to the use environment.
- Vent and drain available.

### Liquid loss by size

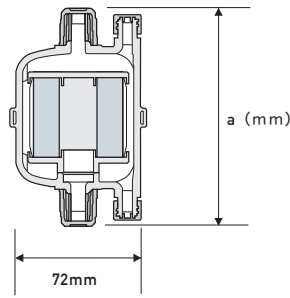
	Built-in filter length	Liquid loss volume
LPA	25mm	132ml
LPH	62.5mm	269ml
LPE	125mm	499ml
LPJ	250mm	957ml
LPS	50mm	127ml
LPM	100mm	218ml
LPX	125mm	532ml
LPD	-	a little

\* The amount of liquid is manufacturer calculated value. This value may increase or decrease depending on the type of built-in filter.

### Internal structure

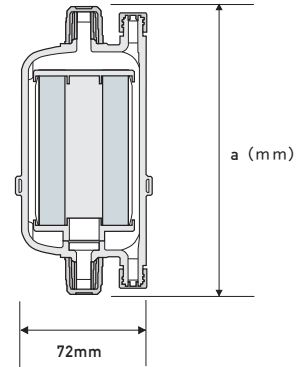


## Code and Dimension



L P S Type

Joint code	S 2	S 3	S 6	N 1	H
a (mm)	1 0 5	9 9	1 0 5	1 1 0	1 1 0



L P M Type

Joint code	S 2	S 3	S 6	N 1	H	F 2
a (mm)	1 4 9	1 4 3	1 4 9	1 5 4	1 5 4	1 6 8

## Connector options

Joint shape of connectors						
Joint code	S2	S3	S6	N1	H	F2 (For LPM only)
IN/OUT	Swagelok type			NPT 1/4 inch	Hose Nozzle	Flowell 60 series type
IN/OUT Tube	O.D. 1/4 inch	O.D. 3/8 inch	O.D. 6mm	-	I.D. 13mm	O.D. 1/4 inch · 6mm
Vent/Drain	Swagelok type			NPT 1/8 inch	NPT 1/8 inch	NPT 1/8 inch
Vent/Drain Tube	O.D. 1/4 inch	O.D. 1/4 inch	O.D. 1/4 inch	-	-	-

\* Fittings for the capsule are not included.

## Specifications

Product type	LPS	LPM
Built-in filter length	50mm	100mm
O.D. of Shell	φ 72mm	
Filter	Refer to the material of the selected inside filter.	
Materials	Polypropylene	
Shell	Polypropylene	
Vent Cap	Polyethylene	
Protective caps for Inlet and Outlet	Polyethylene	
Maximum Operating Pressure	0.39MPa at 20°C (57psi at 68°F)	
Maximum Operating Temp	60°C (140°F)	

\* Please remove the protective caps before use. F2 does not have the protective caps.

## Ordering Information

Built-in filter length	Filter Cartridge Product Type	Micron Rating	Joint code
LP <b>S</b>	- <b>M P X</b> -	<b>0 1 2</b>	- <b>S 2</b>
S = 50 mm M = 100 mm	* Please refer to the catalogs and specify the part number. (Some part numbers are not available.)	* For Micron rating, please refer to each filter catalog.	S2 N1 S3 H S6 F2 * For LPM only

\* The contents of the catalog are subject to change without notice.

\* When used for filtration of organic solvents, antistatic measures may be required.

\* The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.

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Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.

Scope

Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.



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