

Small volume filtration system

Major Applications

Lab-scale evaluation of various liquids

Low-volume production

Related Videos (YouTube)



Small Volume Filtration
Experimental Course
-Constant pressure filtration-



Small Volume Filtration
Experimental Course
-Constant flow filtration-

Features

- Liquid filtration test equipment for small volumes from 0.35 to 2.0L
- Compact design
- Wide range of combination options

Advantages

- Easy filtration with limited liquid volume
- Space-saving installation
- Selection can be made according to the environment and purpose of use

Ordering Information

Product Type

EMP-

Housing Type

0 5

Housing Type	Capsule / Housing	Joint code	Connector options
02	LPD	E	6×4 Tube
03	LPH	N2	NPT1/4 inch
04	LPE	N2	NPT1/4 inch
05	SIDP-62.5-1-XA	-	Rc1/4
06	XSDP	P8	Rc1/4
07	LPS	N1	NPT1/4 inch
08	LPM	N1	NPT1/4 inch

Filter quantity

2

1 = 1pc/unit
2 = 2pcs/unit

Reserve tank

L

S = 0.35L
M = 1L
L = 2L

*Special specifications other than the above model number combinations (different connector option, LPA/LDH installation, unitization of pumps and measuring instruments, etc.) are also available. Please consult us separately.

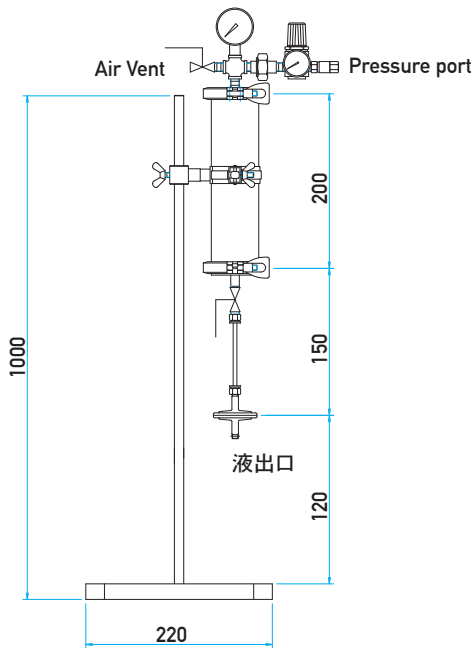
Capsule and Housing Specifications

Product Type	LABO-PURE					Capsule Filter Housing	
	LPD	LPH	LPE	LPS	LPM	SIDP-62.5-1-XA	XSDP
Design pressure	0.39MPa at 20°C (56.6psi at 68°F)					0.49MPa at 40°C (71.1psi at 104°F)	
Materials	Polypropylene					SUS304	

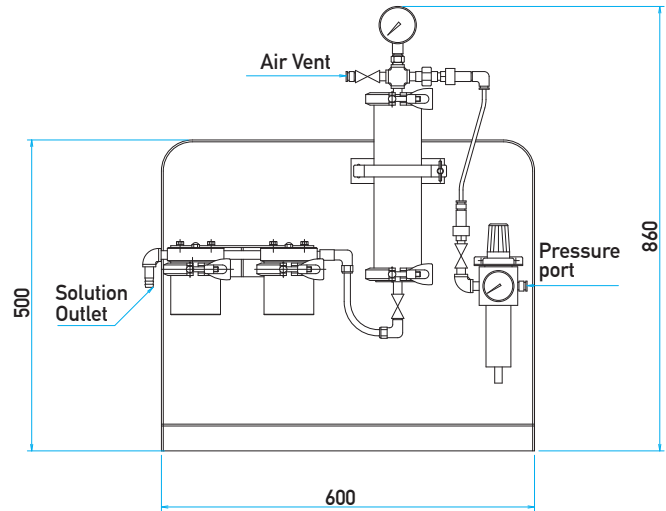
*For detailed specifications of LABO-PURE Capsule Filters and Capsule Filter Housings, please refer to the individual catalogs.

Structure and Dimension (example)

[Example : EMP-02-1-S]



[Example : EMP-05-2-M]

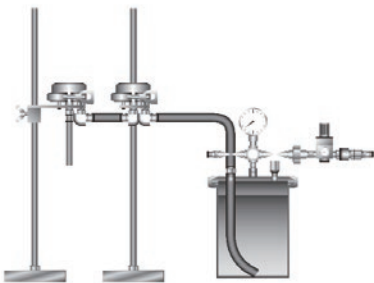


About Customization

We can also design and manufacture customized filtration lines upon request.
For example, we can propose the following line designs.

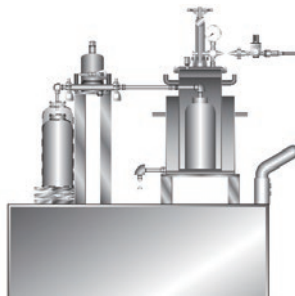
Installation of pressurized tanks

- When you want to do a filtration test without pouring out more liquid
- For filter combination study with multi-step filtration



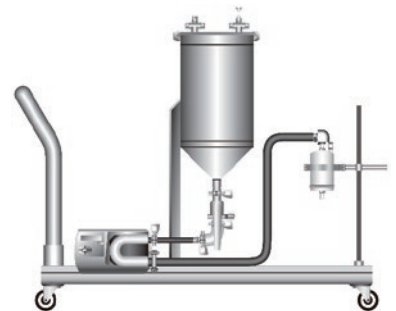
Installation of cooling tanks

- For filtration tests at constantly low temperatures (Jacketed housing is also available for heating)



Installation of cart

- When frequent movement is necessary.



We will propose the most suitable system according to the purpose and usage.
Please feel free to contact us if you are interested.

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

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

*When purchasing a filter housing, be sure to check whether the filtration conditions (fluid, operating temperature, operating pressure, installation location, etc.) are within the housing specifications.

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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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