

User Guide for ANOW® Non-Sterile Syringe

Introduction

ANOW® non-sterile syringe filters are particularly designed for laboratory use, which have superior performance to remove particles or microorganisms. This user guide covers operation guide, specification, notice and technical service. In order to help you make better use of this product, please read this guide carefully before use!

Operation Guide

Please refer to Fig.1 before use.

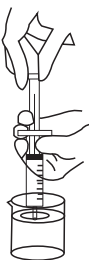
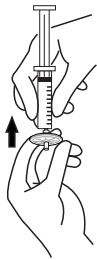
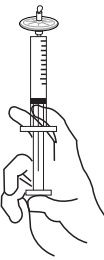

Step 1	Step 2	Step 3	Step 4
			
Fill the syringe with the liquid to be filtered	Install the syringe filter on the syringe	Vent until liquid through the syringe filter	Push the piston to make liquid filtered

Fig. 1 ANOW® syringe filter operation

Specification

Filtration media

PES: hydrophilic, applicable to pH1-14 aqueous solutions and mild organic solutions, low biological adsorption.

NYL: applicable to pH 6-13 aqueous solutions and most organic solutions.

Hydrophobic PVDF: applicable to most organic solutions.

Hydrophilic PTFE: hydrophilic, applicable to aqueous solutions and almost all organic solutions.

Hydrophobic PTFE: almost resistant to all organic solutions.

PP/GF: depth filter, broad chemical compatibility, suitable for particle laden solutions as prefilter.

Notes: You could visit ANOW® official website www.anow.com.cn for chemical compatibility information

Filter	13mm	20mm	25mm	33mm
Pore size	0.1μm, 0.22μm, 0.45μm, etc.			
Housing	PP/HDPE	ABS	PP/HDPE	PP/HDPE
Dimensions	16.0mm*23mm	23mm*23.5mm	28.0mm*24.3mm	40.0mm*30.3mm
Filtration area	1.3cm ²	3.1cm ²	4.9cm ²	8.5cm ²
Max. operating pressure @ 23°C	5.2bar	3.5bar	5.2bar	5.2bar
Inlet	FLL	FLL	FLL	FLL
Outlet	MLS	MLL	MLL	MLS
Hold-up volume	<100 μl	<150 μl	<250 μl	<350 μl
Max. operating temp.	60°C			
Bacterial Endotoxins	<0.25EU/ml as determined by the LAL test			

Cautions

1. Designed for laboratory use only, not for medical use.
2. For single use only.
3. Do not use at temperature higher than 60°C, otherwise this may cause damage to the products.
4. Do not use syringes less than 10ml, this may cause higher pressure exceeding the capability of the product (e.g., 10.3bar or 150psi can be generated with 1ml syringe).
5. Do not use if the package is damaged.

Technical service

For more information, please contact Hangzhou ANOW® Microfiltration co. Ltd.

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This guide may be revised, we may not inform you in advance !