

Alidep® Disc Depth Filter



⊕ Product Introduction

Alidep® disc depth filters have a variety of filter media combinations. Filter media are mainly composed of cellulose, filter aid and positive-charged resins or pure cellulose, and thus have high throughput. Filters are mainly used for pre-filtration and clarification in virus filtration, improve the robustness of virus filtration operations by efficiently removing impurities, such as protein aggregates.

⊕ Key Features and Benefits

- Flexible media selection to optimize customer product development.
- Adapted to current mainstream virus filters.
- Strict production control and release testing, reliable performance, and low process risk.

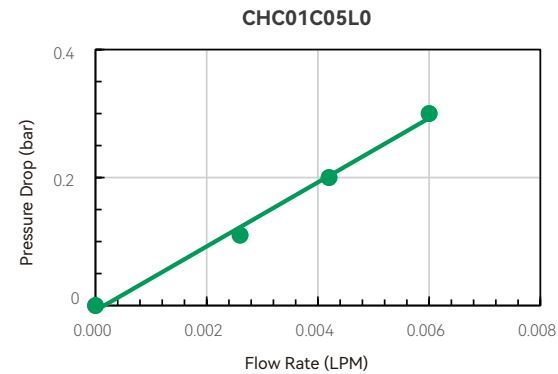
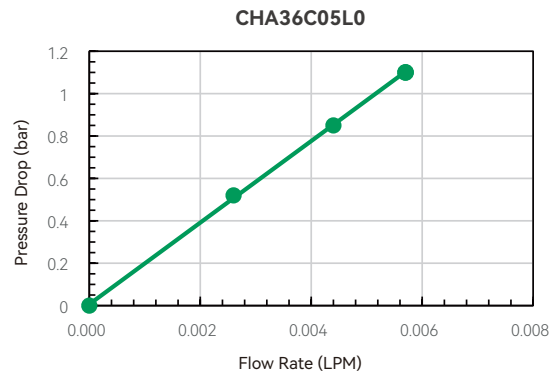
⊕ Product Specifications

Effective Filtration Area	5 cm ²
Filter Media	Cellulose, filter aid, resin or cellulose
Frame and Supporter	Glass fiber reinforced polypropylene
Inlet and Outlet	Luer connector
Pressure Leak Test	<50 mbar @ 3.0 bar
Max Operation Pressure	3.0 bar @ 25°C
Max Pressure Differential	Forward: 3.0 bar @ 25°C Reverse: not recommended
Sterilization Resistance	Autoclave: 125°C 60min, 2 cycles
Indirect Food Additive	All component materials meet the requirements of Indirect Food Additive cited in FDA 21 CFR 177-182
Toxicity	All construction components meet the biological safety requirements referring to USP <88> Class VI plastic
Bacterial Endotoxin	The endotoxin level of rinsing liquid is <0.25 EU/mL, which complies with the requirements for water for injection in Chinese Pharmacopoeia and United States Pharmacopoeia

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Validation Methods and Results

Test Results of Flow and Differential Pressure



Validation Summary

Endotoxin	Several filters were randomly selected from different production batches, then rinsed with 100 L/m ² pure water for 10-20minutes, followed by soaking in pure water for 24 hours. The endotoxin level was < 0.25 EU/mL as indicated by Tachypleus Amebocyte Lysate test.
Endurance to Sterilization	Several filters were randomly selected, after 2 cycles of autoclave at 125°C for 60min, filters passed pressure leak test. Flow rate and pressure drop after autoclave met the product quality standard.

Ordering Information

Product format	Media type	Dimension	Adapter	Package quantity
C=Depth Capsule Filters	HA01, HA02.. HC01, HC02.. ACA01, ACA02.. CE01, CE02..	C05=5 cm ²	L0=Luer	9=9 EA/pkg