# Depth Stacked Filter HE-16 Series

Eternalwater depth stacked filter is mainly used in the clarification step of pharmaceutical processes. It's paired with stainless steel filter housing for filtration and is available in multiple sizes to meet diverse customer needs. The depth stacked filter offers multiple filter plate combinations. Each filter plate is composed of cellulose, filter aids, and positively charged resins, delivering exceptional dirt-holding capacity. The depth stacked filter is suitable for cell culture clarification and features a multi-stage retention mechanism that effectively captures intact cells and cell debris while reducing turbidity. Additionally, it can effectively adsorb impurities including DNA, HCP (host cell proteins), and endotoxins, thereby substantially reducing the purification burden in downstream processes.

### **Product Features**

Multiple sizes are available, and can be customized according to customer needs

Flexible media selection enables targeted product development based on the characteristics of feed stream

Compatible with major filter housing systems, offering excellent structural adaptability

Rigorous production controls and release testing ensure reliable performance and reduced process risks

## **Typical Application**

- · Cell culture clarification
- · Vaccine Manufacturing Clarification
- Post-Centrifugation Yeast Broth Clarification

16inch double-layer depth stacked filter 8/10 layers 1.8/2.3

Other Feedstock Clarification

### **Parameters**

**Product Series** 



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16inch single-layer depth stacked filter 10/16 layers		2.3/3.6	258/275
16inch other custom specifications		Optional	/
Filter Plate	Cellulose, filter aids, resins, or pure cellulose		
Frame and Cover Material	Glass-Filled Polypropylene		
Stainless Steel Support Bands	316L		
O-ring Material	Silicone		
Particle Challenge	Retention Rate > 90%		
Maximum Operating Pressure	3.0bar@RT		

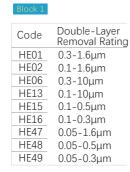
**Effective Filtration Area** 

184/275

# Stainless Steel Support Bands O-ring Material Silicone Particle Challenge Retention Rate > 90% Maximum Operating Pressure Maximum Differential Pressure Sterilization Resistance Indirect Food Additives Toxicity Bacterial Endotoxins 316L Silicone Retention Rate > 90% Retention Rate

### **Ordering Information**





Code	Single-Layer Removal Rating
HE44	0.5-1.6μm
HE57	0.3-0.7μm
HE58	0.1-0.5μm
HE62	0.05-0.3µm
HF17	4-10μm

Code

End Cap Type

DOE

Block 2		Block 3	
Code	Membrane Combination	Code	Size
Α	Double-Layer	16	16inch
В	Single-Layer		
Block 5	Block 6		

Block 6	
Code	Structure
А	Stainless Steel Support Band

