

# Filter Series

## Vent Filter



### Introduction

50mm vent filters are sterilizing filter for venting and liquid solutions.

### Application

- ▶ Sterile venting of carboys, filling vessels, fermentation tanks, bioreactors.
- ▶ Protect pump components from liquid damage by using between a pump and receiving vessel.
- ▶ Chromatography solutions.

## Technical Specification

Filter Media	PTFE/ PES/Nylon66 /PP/GF/PVDF
Housing	PP
Diameter	50mm
Pore Size, $\mu\text{m}$	0.22 $\mu\text{m}$ , 0.45 $\mu\text{m}$
Sealing Technology	Thermal Bonding, No Adhesives
Filtration Area	$\geq 0.021\text{ft}^2$
Inlet/Outlet Connections	7~13 mm stepped hose barb connection with 6:100 Luer slip
Max.Operation Pressure	Forward: 3.5 bar @ 23°C and 3.0 bar @ 60°C for liquid; 3.0 bar @ 23°C and 2.5 bar @ 60°C for air & gas.
Sterilization	By EO or 3 autoclave cycles of 30 min at 123°C

## Order Information

Pore Size	Nylon	CA	PTFE	Hydrophilic PTFE	PVDF	Hydrophilic PVDF	PES
0.22	S50NY022	S50CA022	S50PTB022	S50PTL022	S50PVB022	S50PVL022	S50PES022
0.45	S50NY045	S50CA045	S50PTB045	S50PTL045	S50PVB045	S50PVL045	S50PES045

PS: 1. Diameter:50mm;package:25pcs/pk.  
2.Other pore size and Filter Media is available.