

diamond **PureFlow**<sup>™</sup>

# Vacuum Filtration Systems



## Complete Systems • Bottle Top Filters • Solution Bottles

**Diamond® PureFlow™ Vacuum™ Filtration Systems** from Globe Scientific provide high-quality, cost-effective options for large volume filtration needs. Systems are offered in multiple configurations and in sizes from 150mL up to 1000mL. Full systems include the filter unit, solution bottle, and sterile bottle cap. Bottle top filter units fit Diamond® PureFlow™ solution bottles or other laboratory media bottles with GL45 threads.

Low protein binding Polyether Sulfone (PES) membranes make Diamond PureFlow™ vacuum filters perfect for clarification, separation, or sterilization of aqueous solutions including cell culture media, biological samples, and laboratory reagents. Filter

membranes are available in 0.10µm, 0.22µm and 0.45µm porosities to meet the requirements of most applications. Membrane and porosity are clearly marked on each filter unit.

Engineered with laboratory efficiency and safety in mind, Diamond® PureFlow™ vacuum filter systems include a multi-step, angled hose barb that accepts multiple sizes of vacuum lines while keeping the system stable on the benchtop. Graduation markings are included on both the filter unit and solution bottle for easy reference during and after filtration operations. Diamond® PureFlow™ vacuum filter systems are molded from virgin USP Class VI polystyrene (PS) and acrylonitrile butadiene styrene (ABS).

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VF-FS-PES-0500-45  
500mL vacuum filter  
system



VF-BT-PES-0500-22  
500mL bottle top filter



VF-SB-0500  
500mL solution  
bottle

## The Diamond® PureFlow™ Advantage:

### Performance

- High flow rates and low protein binding PES membranes for minimal sample loss
- Molded from virgin USP Class VI resins
- Produced in Class 100,000 clean room

### Simple and Efficient

- Membrane and porosity are clearly marked on filter units
- Multi-step hose barb makes connections simple
- Angled hose barb keeps system stable on the benchtop

### Versatile to Meet Most Application Needs

- Range of sizes from 150mL to 1000mL
- Membrane porosities of 0.10µm, 0.22µm, and 0.45µm
- Filter systems include the filter unit, cover, solution bottle and sterile solution bottle cap
- Bottle top Filters fit media bottles with GL45 threads
- Solution bottles for larger than nominal filtration volumes

### Sterile and Ready for Use

- Individually Wrapped
- Irradiation Sterile to SAL 10<sup>-6</sup>
- RNase and DNase Free
- Non-pyrogenic

Item #	Capacity	Filter Membrane	Membrane Porosity	Membrane Diameter	Unit
<b>Vacuum Filter Systems</b>					
VF-FS-PES-0150-10	150mL	PES	0.10µm	50mm	12
VF-FS-PES-0250-10	250mL	PES	0.10µm	50mm	12
VF-FS-PES-0500-10	500mL	PES	0.10µm	75mm	12
VF-FS-PES-1000-10	1000mL	PES	0.10µm	90mm	12
VF-FS-PES-0150-22	150mL	PES	0.22µm	50mm	12
VF-FS-PES-0250-22	250mL	PES	0.22µm	50mm	12
VF-FS-PES-0500-22	500mL	PES	0.22µm	75mm	12
VF-FS-PES-1000-22	1000mL	PES	0.22µm	90mm	12
VF-FS-PES-0150-45	150mL	PES	0.45µm	50mm	12
VF-FS-PES-0250-45	250mL	PES	0.45µm	50mm	12
VF-FS-PES-0500-45	500mL	PES	0.45µm	75mm	12
VF-FS-PES-1000-45	1000mL	PES	0.45µm	90mm	12
<b>Bottle Top Filters</b>					
VF-BT-PES-0150-22	150mL	PES	0.22µm	50mm	24
VF-BT-PES-0250-22	250mL	PES	0.22µm	50mm	24
VF-BT-PES-0500-22	500mL	PES	0.22µm	75mm	24
VF-BT-PES-1000-22	1000mL	PES	0.22µm	90mm	24
VF-BT-PES-0150-45	150mL	PES	0.45µm	50mm	24
VF-BT-PES-0250-45	250mL	PES	0.45µm	50mm	24
VF-BT-PES-0500-45	500mL	PES	0.45µm	75mm	24
VF-BT-PES-1000-45	1000mL	PES	0.45µm	90mm	24
<b>Solution Bottles</b>					
VF-SB-0150	150mL				24
VF-SB-0250	250mL				24
VF-SB-0500	500mL				24
VF-SB-1000	1000mL				24

All are individually wrapped sterile and sold in case units of 12 or 24 as shown above.