



- | Borosilicate filter element 99.999% efficiency
- | Compliant with HEALTH TECHNICAL MEMORANDUM 2022
- | Lightweight, corrosion-protected aluminium body
- | Differential Pressure Gauge indicator for filter element replacement
- | Sterilisable drain flask to capture biological fluids
- | Vacuum flow rates from 3 to 68 litres/second
- | Available in ½" to 3" pipe connections

**Medical Vacuum Filters**  
Complete Bacteria Removal

## Trident Medical Vacuum Filter Series

Trident Medical Vacuum filter series are designed to remove the liquid, solid and bacterial contamination from the suction side of the vacuum pump and the potential biological infection of the surrounding environment. The filter elements and housings are designed for medical use and can be utilized in hospitals, pharmaceutical laboratories, dentist's surgery and other critical areas.

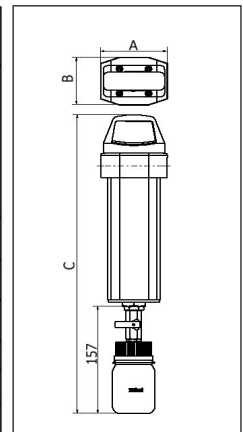
These are Installed on suction side of vacuum pump to remove bacteria and prevent contamination to the pump and atmosphere.

Biological liquids are collected in a transparent drain flask, which can be easily removed for sterilization. The flask should be visually inspected daily and removed for cleaning and sterilization. The filter element must be replaced at least every 6 months or when the pressure drop reaches 100 mbar. ( $\Delta P$  gauge, pointer moves to Red)

The efficiency of the installed filter elements exceeds the 0.005% penetration specified in HTM 2022 for infectious disease units, when tested in accordance with BS 3928.

## Technical Specifications

DIMENSIONS									
Model	Air side Connections (NPT)	Flow rate		Connit		A	B	C	Filter Element Spare Kit Item code
		(CFM)	(l/s)	NPT (Item code)	BSP (Item code)				
T100V	1/2"	6	3	PFV01	PFV07	80	77	482	AS701
T250V	1"	19	9	PFV02	PFV08	114	95	687	AS693
T600V	1 1/2"	55	26	PFV03	PFV09	114	93	828	AS697
T851V	2"	70	33	PFV04	PFV10	148	148	1205	AS717
T1210V	2"	105	50	PFV05	PFV11	148	148	1345	AS721
T1810V	3"	145	68	PFV06	PFV12	211	205	1368	AS725




## SPECIFICATION

Particle removal	0.01 micron (99.999%)
Maximum temperature	80°C (176°F)
Pressure loss-clean element	30 mbar (0.44 psi)
Pressure loss-change element	100 mbar (1.5 psi)
Maximum working vacuum	Full vacuum
Filter Element	Borosilicate
Construction Material	Extruded Aluminium Alloy
Coating – External	Epoxy Powder coating
Drain Type	Hand shut-off valve with Sterilisable drain flask (capacity 100 ml)


## APPLICATIONS

| Pharmaceutical Applications | Operating Theatres | Maternity Units | Dental Applications  
| Pathology Laboratories | Mortuary and Post-mortem Rooms



**Our Other Range of Products**

| Timer based Auto Drain Valve | Level Sensing Auto Drain Valve | Desiccant Dryer (Heatless)  
| Desiccant Dryer (Heated) | Refrigeration Dryers  
| Oxygen & Nitrogen Generators



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Gala No. C-16, Punit Indl. Premises, Plot No. D11/11A, Thane Belapur Road, Turbhe, Opp. Turbhe Rly. Station, Navi Mumbai 400705. •M: +91 9022666776/ 9082038448/ 8356838448  
E-mail: sales@sumved.in/ info@sumved.in/ exports@sumved.in  
www.sumved.in