



- 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.

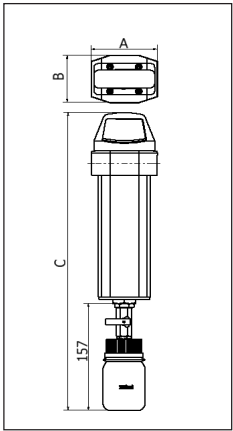
These are Installed on suction side of vacuum pump to remove bacteria and prevent contamination to the pump and atmosphere.

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. (ΔP 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	Flow rate		NPT	A	B	C	Spare kit Item code
		(CFM)	(l/s)	(Item code)				
T100V	1/2"	60	25	PFV01	87	294	50	AS701
T250V	1"	150	70	PFV02	114	399	50	AS693
T600V	1 1/2"	350	165	PFV03	114	474	50	AS697
T851V	2"	500	235	PFV04	148	666	50	AS717
T1210V	2"	710	335	PFV05	148	736	50	AS721
T1810V	3"	1065	500	PFV06	211	761	50	AS913




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

