



- 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 1/2" 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.

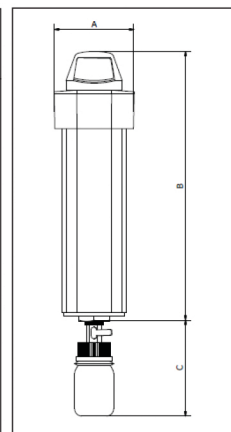
Installed on suction side of vacuum pump to remove bacteria and prevent contamination to the pump and atmosphere.

Biological liquids are collected in a transparent drain flask, which can be easily removed for sterilization. The flask should be visually checked 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.

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

Model	Item Code	Vacuum Flow Rate		Pipe Connection	Housing Dimensions (mm)			Spares - Item Code	
		cfm	(l/s)		A	B	C	Spare Kit Filter Element	Draft Flask 100ml
T100 V	PFV01	6	3	½"	87	294	170	AS701	AC249
T250 V	PFV02	19	9	1"	114	399	170	AS693	
T600 V	PFV03	55	26	1½"	114	474	170	AC697	
T851 V	PFV04	70	33	2"	148	666	170	AC717	
T1210 V	PFV05	105	50	2"	148	736	170	AC721	
T1810 V	PFV06	145	68	3"	211	761	170	AC725	



## SPECIFICATION

Penetration to	BS 3928 <0.005%
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 pressure	7 barg (100 psig)
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



## DELTA COMPRESSORS & EQUIPMENTS

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