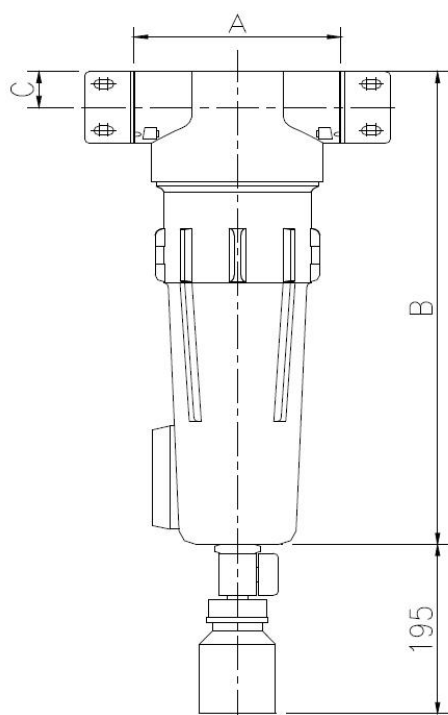


# Bacterial Medical Filters



Eurovacuum Bacterial Medical Filters are commonly used in Medical applications to protect the suctions side of the vacuum pumps from exposure to bacterial contamination and therefore protect the external environment from this contamination. The filters capture aerosols and particulate from intake fluids. 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. Standard test methods have proven that our filter elements have an efficiency of 99,9998% when tested to BS 3928.

The filters are made of a filter element, an anodized and coated paint finish housing and a transparent drain glass. High efficiency filter elements ensure long service life and low pressure drops thanks to the plated media. It is essential to ensure that the filter assembly is mounted correctly, with the air flow passing through the cartridge from outside to inside and the flask at the bottom. The flask should be visually checked daily and removed for cleaning and sanitization. The filter element must be substituted at least every 6 months or when the pressure drop achieved the value of 0,5 bar.



Dimensions in mm	A	B	C
Bacterial filter G 1/2"	93	263	20
Bacterial filter G 3/4"	125	285	30
Bacterial filter G 1"	125	385	30
Bacterial filter G 1 1/4"	160	405	38
Bacterial filter G 1 1/2"	160	505	38
Bacterial filter G 2"	190	537	52
Bacterial filter G 2 1/2"	190	637	52

## Bacterial Medical Filters

Technical Data		Bacterial Medical filters
Available flange sizes	G(BSP)	1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2" - 2 1/2"
Pressure difference	mbar	Δ30
Admissible ambient temp.	°C	+1 to +60
Working pressure min./max.	mbar	4 mbar / 2000 mbar(abs)
Flow rate at atm.		
- G 1/2"	Nm <sup>3</sup> /h	15
- G 3/4"	Nm <sup>3</sup> /h	25
- G 1"	Nm <sup>3</sup> /h	40
- G 1 1/4"	Nm <sup>3</sup> /h	85
- G 1 1/2"	Nm <sup>3</sup> /h	110
- G 2"	Nm <sup>3</sup> /h	170
- G 2 1/2"	Nm <sup>3</sup> /h	192
Correction factor Flow rate		
- Atm.		x1
- 500 mbar (abs.)		x2
- 250 mbar (abs.)		x4
- 160 mbar (abs.)		x6
- 120 mbar (abs.)		x8
- 90 mbar (abs.)		x10

Ordering Information	Bacterial Medical filters
Bacterial filter G 1/2"	777.801
Bacterial filter G 3/4"	777.802
Bacterial filter G 1"	777.803
Bacterial filter G 1 1/4"	777.804
Bacterial filter G 1 1/2"	777.805
Bacterial filter G 2"	777.806
Bacterial filter G 2 1/2"	777.807
Spare cartridge Bacterial filter G 1/2"	777.821
Spare cartridge Bacterial filter G 3/4"	777.822
Spare cartridge Bacterial filter G 1"	777.823
Spare cartridge Bacterial filter G 1 1/4"	777.824
Spare cartridge Bacterial filter G 1 1/2"	777.825
Spare cartridge Bacterial filter G 2"	777.826
Spare cartridge Bacterial filter G 2 1/2"	777.827
Pressure Gauge for Bacterial filter	777.810
Spare Glass Condensation Collector	777.811