

# Filtration

## Disposable Filtration Capsules continued

### Whatman®

#### Polycap TF

- ◆ Hydrophobic PTFE membrane
- ◆ Choice of filtration areas and porosities
- ◆ 1µm capsules incorporate a polypropylene prefilter
- ◆ Maximum operating pressure 4.1 bar
- ◆ Autoclavable up to 132°C

Provide the means of rapid filtration using a membrane of large filtration area. This capsule is ideal for filtering a wide range of chemicals through a well defined pore size membrane that is low in extractables and is totally non-fibre releasing. Supplied singly.

	Porosity µm	Porosity µm	
<b>Polycap 36 TF Non sterile</b>		<b>Polycap 75 TF Non sterile</b>	
<b>FC455-12</b>	0.2	<b>FC455-35</b>	0.2
<b>FC455-17</b>	1.0	<b>FC455-45</b>	1.0

#### Polycap AS

- ◆ Nylon membrane with glass microfibre prefilter
- ◆ Maximum operating pressure 4.1 bar
- ◆ Non pyrogenic and radiation sterilised

The nylon membrane is low in extractables and offers high flow rates. Typical applications include the filtration of water for laboratory use, salt solutions, cleaning/rinsing solutions, immunologicals, virus suspensions, buffers and nutrients. Supplied singly.

	Porosity µm
<b>Polycap 36 AS</b>	
<b>FC470-15</b>	0.2

#### PolyVENT

- ◆ Hydrophobic PTFE membrane
- ◆ Choice of filtration areas
- ◆ Rugged polypropylene capsule housing
- ◆ Low hold-up volume with air purge
- ◆ Autoclavable up to 132°C

Dedicated filter capsules for venting of vessels. Maximum pressure 1bar. With end connectors for 9 to 13mm bore tubing. Supplied singly.

	Type	Porosity, µm	Filtration area, cm <sup>2</sup>
<b>FC473-10</b>	PolyVENT 500	0.2	500
<b>FC473-20</b>	PolyVENT 1000	0.2	1000

#### Carbon Cap

- ◆ Activated carbon filtration media
- ◆ Maximum operating pressure 4.1 bar
- ◆ Large surface area of carbon
- ◆ Autoclavable at 131°C for 20 minutes

The activated carbon filtration media is ideal for removing organic vapours from air or gases, or organics from water. With end connectors for 12mm bore tubing. Supplied singly.

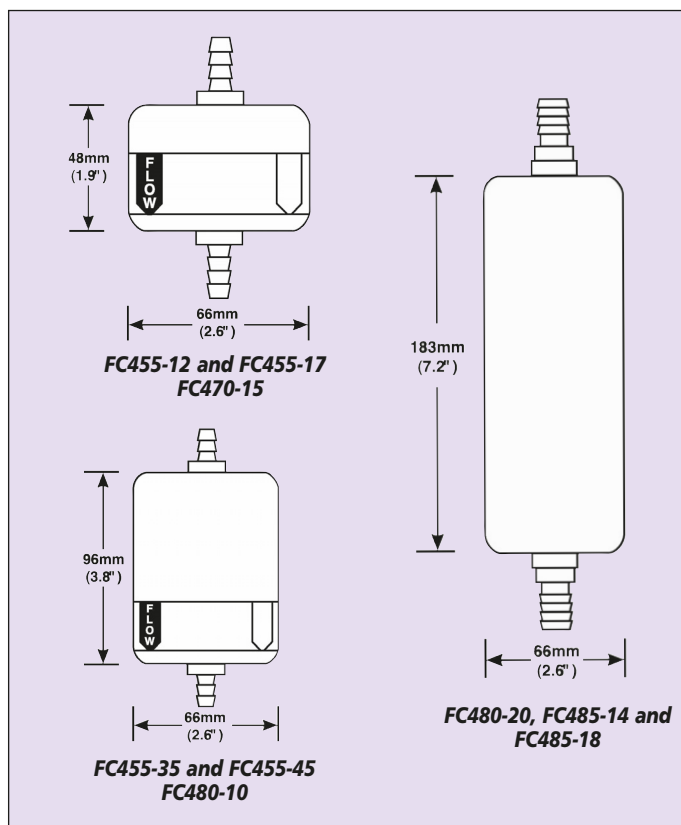
**FC480-10** Carbon Cap 75. Overall 96 x 66mm  
**FC480-20** Carbon Cap 150. Overall 183 x 66mm

#### VacuGuard 150

- ◆ Hydrophobic PTFE membrane and choice of chemical trap:
  - Activated carbon with 82000m<sup>2</sup> filter area removes organic vapours and radioactive particles
  - Desiccant removes water from acidic air streams
- ◆ 99.99% of particulates, 0.1µm or larger are retained
- ◆ Maximum operating pressures 1 bar (wet gas), 4.2 bar (dry gas)

For vacuum pump protection from corrosive vapours and contaminants. With end connectors for 12mm bore tubing. Supplied singly.

**FC485-14** VacuGuard 150, Activated carbon  
**FC485-18** VacuGuard 150, Desiccant



FC470 in use



FC473



FC480-20



FC485-14



FC485-18