

# 50mm "Syringe" Filter

The 50mm **syringe filter** is a sterilizing filter for aqueous solutions and venting. It removes microorganisms, particles, precipitates, and undissolved powders larger than nominal pore size, such as 0.22 micron ( $\mu\text{m}$ ). The 50mm syringe filter is non-pyrogenic and non-toxic. The special construction allows minimal hold-up volume and particle shedding, making this syringe filters ideally suited for the critical needs of the pharmaceutical and biotechnology industries.

## Application:

- Small volume liquids
- Sterile venting of small fermenters
- Sterile venting of small containers
- General sterile filtration of gases and air

## Features:

- Superior flow rate and high throughputs
- Smart and disposable
- Scalable and reusable
- Good resistance to pressure

## Specifications:

### Materials of construction

Filter Medium: PTFE or PES for GMP on a polypropylene support

Housing: Polypropylene

### Dimensions

Inlet to outlet 45 mm (1.77 in.)

Diameter 56.2 mm (2.21 in.)

Filtration area 17.2 cm<sup>2</sup> ( 2.6 in<sup>2</sup>)

Pore size 0.22  $\mu\text{m}$ , 0.45  $\mu\text{m}$ , 0.8  $\mu\text{m}$ , 1.2  $\mu\text{m}$

### Temperature limit

130°C (266°F) maximum

Pressure limit at ambient temperature

60psi (4.1bar)

### Connections

Outlet : Stepped hose barbs

Inlet : Stepped hose barbs



Standard type . . .  
in "barb" Fittings ONLY!  
Custom . . .  
Modified for "Standard"  
Male / Female Luer Fittings  
**ENQUIRE !**