

# VertiClean™ Nylon Syringe Filters

## VertiClean™ Nylon Syringe Filters

- Filtration of all aqueous and most solvent based samples
- Use with aqueous and organic solvents
- Available in 13mm and 25mm diameter membranes
- Economic price

VertiClean™ Nylon (Polyamide) is hydrophilic, good solvent resistance and medium protein binding. VertiClean™ Nylon ideals for filtration of all aqueous and most solvent based samples. Use with care for biological compounds.

| Specifications  |                                 | Diameter(mm)     |     |
|---|---------------------------------|------------------|-----|
| Properties  |                                 | 13               | 25  |
| Bubble point <sup>1</sup> (psi)                             | 0.2µm                           | 46               |     |
|   | 0.45µm                          | 29               |     |
| Typical Flow rate <sup>2</sup><br>(mL/min/cm <sup>2</sup> ) | 0.2µm                           | 10               |     |
|   | 0.45µm                          | 27               |     |
| Membrane material   | Polyamide                       |                  |     |
| Housing Material  | Pigment-free Polypropylene      |                  |     |
| Connector (inlet/outlet)                                    | Female Luer Lock/Male Luer Slip |                  |     |
| Burst Pressure <sup>3</sup> (psi)                           |                                 | 100              | 80  |
| Retain Volume <sup>4</sup> (µL)                             |                                 | 30               | 125 |
| Sample Volume(mL)   |                                 | 10               | 150 |
| Packaging   | 13mm                            | PP Thread Bottle |     |
|   | 25mm                            | Corrugated Box   |     |

<sup>1</sup> Bubble point is the minimum pressure required to force air through a membrane which has been prewet with water.

<sup>2</sup> Flow rate is initial flow rate at 10 psi using water.

<sup>3</sup> Burst pressure is the maximum pressure to force air through a closed outlet end housing.

<sup>4</sup> Retention volume is a volume of solvent retained inside the housing.



| Ordering Information                     |           |      |           |
|--|-----------|------|-----------|
| Size                                     | Pore Size | QTY  | Part No.  |
| <b>VertiClean™ Nylon Syringe Filters</b> |           |      |           |
| 13mm                                     | 0.2µm     | 100  | 0221-0101 |
|  |           | 500  | 0221-0105 |
|  |           | 1000 | 0221-0110 |
|  | 0.45µm    | 100  | 0221-0301 |
|  |           | 500  | 0221-0305 |
|  |           | 1000 | 0221-0310 |
| 25mm                                     | 0.2µm     | 100  | 0223-0101 |
|  |           | 500  | 0223-0105 |
|  |           | 1000 | 0223-0110 |
|  | 0.45µm    | 100  | 0223-0301 |
|  |           | 500  | 0223-0305 |
|  |           | 1000 | 0223-0310 |