



Sartopure® GF2
The depth filter for
adsorptive retention

Sartorius filter products – designed for filtration needs.

At Sartorius, we don't just sell you a filter. You work with experienced Sartorius filtration engineers, scientists and sales representatives who first gain a thorough understanding of your filtration needs. Only then do we offer a specific filtration system recommendation based on an understanding of your production process. More than 60 years of expertise in filtration technology and support of applications from laboratory bench scale to full manufacturing scale stand behind our recommendations.

For ongoing support, our sales representatives and customer service organization are available worldwide. With two manufacturing sites and fully stocked facilities worldwide, we are ready to respond to your product requirements at all times. We help you maintain productive and efficient use of your filtration products with a full range of support services and filtration specialists globally.

We offer a complete range of filtration products from prefiltration depth filters to final sterilizing membrane filters, in products ranging from flat filter discs to capsules, up to standard filter cartridges.

We offer quality.

Sartorius is certified to meet ISO 9001 standards. This covers our entire organization and ensures the highest of standards to provide for a quality management system ranging from R&D to production, warehousing, materials management and customer service.

Proof of our compliance with these standards is the "D.o.H Certificate for Sterile Medical Devices" issued to us by the British Department of Health for medical devices and products. Our manufacturing facilities all operate in conformance to cGMP requirements, in addition to the ISO 9001 standards.

Sartorius' philosophy on quality ensures that our customer receive products and service which meet the strictest quality controls and regulatory of requirements.

We offer support.

Whether you have a technical question regarding the specifications of our filter products or require assistance in filter selection, our Applications Department is available to offer you assistance. We can perform filterability testing to properly select and optimize your filtration process, both in our laboratories or at your facility.

Sartopure® GF2. Defined retention, low-stress filtration.

Sartopure GF2 is ideal for the protection of downstream membrane filter systems. Typical applications for Sartopure GF2 are in the food and beverage industry.

In addition to being used as a particle-removing prefilter in mineral water filtration and in bottling of wine, this filter is preferred by many users for rinse water filtration and polishing spirits.

Sartopure GF2 consists of an innovative arrangement of non-woven, pleated polypropylene and glass fibre layers that are wrapped around a PP core and protected by an outer cage-like PP support. Based on electrostatic forces of attraction the negatively charged glass fibre material retains positively charged, small particles that would otherwise pass through the filter during strictly mechanical filtration.

The cartridge's fine layer of non-woven polypropylene enhances the filtration effect and protects and strengthens the glass fibre material.

The key feature of the Sartopure GF2 cartridge is its defined and accurate retention rating – 99.9%!

This has been determined using monodispersed latex particles. The cartridge is available in three retention rates, 0.65, 1.2 and 3.0 micron. They offer excellent protection of the final filter and long in-service lives. The cartridge's high flow rates at a low differential pressure reduce overall costs as less energy is used.

The high thermo-mechanical stability of Sartopure GF2's filter materials as well as its extraordinary product characteristics are guaranteed at the highest level by Sartorius' ISO 9001 certified quality assurance system.



Technical specifications.

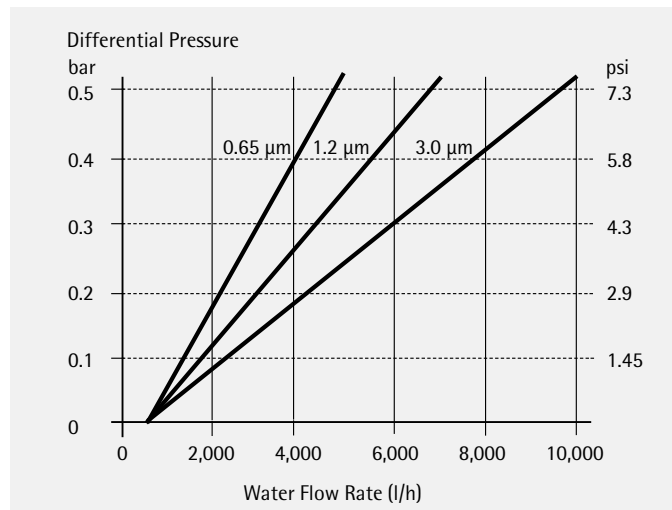
Filter medium	Polypropylene glass fibre
Core outer support	Polypropylene
End caps	Polypropylene
O-rings	Silicone (EPDM, Viton)*
Filtration area	0.6 m ² 10" filter cartridges
Retention rates	0.65 µm 1.2 µm 3.0 µm
Heights	10" (250 mm), 20" (500 mm), 30" (750 mm), 40" (1,000 mm)
Maximum differential pressure (in the direction of filtration)	5 bar (73 psi) at 40°C 3 bar (44 psi) at 80°C 2 bar (29 psi) at 121°C 1 bar (14.5 psi) at 134°C 0.5 bar (7 psi) at 134°C
Maximum back pressure	3 bar (44 psi) at 21°C 1 bar (15 psi) at 80°C
Sterilization	Autoclaving: 121°C, 1 bar (15 psi), 30 min or 134 °C, 2 bar (29 psi), 20 min; In-line steaming: 1 bar (15 psi) outlet pressure, 1.5 bar max. (22 psi) inlet pressure, 30 min; or 2 bar (29 psi) outlet pressure, 2.4 bar (35 psi) max. inlet pressure, 20 min.

*Available as accessories

Ordering Information.

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					Adapter	21 Double open end with flat gaskets 25 S-adapter on top, 2-flange bayonet adapter with double O-ring on bottom 28 S-adapter on top, 3-flange bayonet adapter with double O-ring on bottom Nominal retention rating
					Retention rate	02 3.0 µm 03 1.2 µm 05 0.65 µm
					Height	1 10" 2 20" 3 30" 4 40"

Flow rate for water through 10" Sartopure GF2 filter cartridges.



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