PRODUCT SPECIFICATION

Product PN	GF25BNPGN002AD01, GF25BNPGN004AD01, GF25BNPGN002AL01, GF25BNPGN004AL01, GF25BNPGN002AT01, GF25BNPGN004AT01	Mod. 984
Description	25 mm Multi Layer Syringe Filters w/Nylon & Glass Microfiber Prefilter	Rev. 02

25 mm Multi layer, Glass Microfiber/ Nylon

ABLU SUPREME

PRODUCT DESCRIPTION

25mm syringe filter made of Polypropylene housing, assembled with Nylon (NY) Membrane and Glass Microfiber Prefilter

Membrane Material	Pore Size (µm)	Pre filter Material	Pre filter Pore Size (µm)(Gradient)	End Fitting	Color	Housing Material	Packaging	Product Code
Nylon (NY)	0.22	GMF	10.0 – 0.7	FLL/MLS	Clear	Polypropylene	10	GF25BNPGN002AT01
Nylon (NY)	0.22	GMF	10.0 – 0.7	FLL/MLS	Clear	Polypropylene	50	GF25BNPGN002AL01
Nylon (NY)	0.22	GMF	10.0 – 0.7	FLL/MLS	Clear	Polypropylene	500	GF25BNPGN002AD01
Nylon (NY)	0.45	GMF	10.0 – 0.7	FLL/MLS	Clear	Polypropylene	10	GF25BNPGN004AT01
Nylon (NY)	0.45	GMF	10.0 – 0.7	FLL/MLS	Clear	Polypropylene	50	GF25BNPGN004AL01
Nylon (NY)	0.45	GMF	10.0 – 0.7	FLL/MLS	Clear	Polypropylene	500	GF25BNPGN004AD01

MANUFACTURER NAME

GVS North America
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eMail: CustomerCareGVSLS@gvs.com - Website: www.gvs.com

INTENDED USE / APPLICATION

Applications

- Filtration of Aqueous Solutions
- Analytical Sample Preparation
- IC Chromatography
- Sterile Filtration and Clarification
- Protein Chemistry
- Cell Culture
- Clarification

MATERIALS

Filter media: Nylon (NY)

Frame/Housing Polymer: Polypropylene

Color: Transparent

Other inserts (Prefilter): Borosilicate Glass Microfiber 10µm – 1.0µm gradient, Glass Microfiber 0.7µm

Regulatory Documentation Required:
☐Biocompatibility according ISO 10993-1
☐IMDS
☐DEHP plasticizer Free and latex free
☒Rohs, Directive 2002/32/CE
☐Aging
☒BSE/TSE, directive 2003/32/CE
☐1907/2006/CE (hazardous substances regulation)
☐Dir. 67/548/CE and Reg. 1272/2008/CE (medical sector dangerous substances)
☒Conflict minerals

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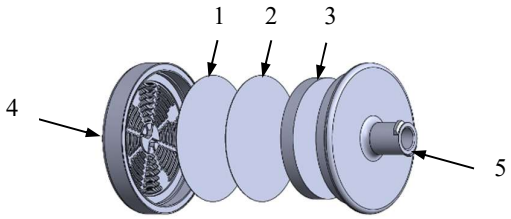
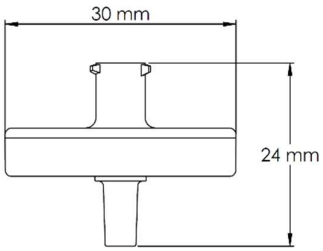
Description	**25 mm Multi Layer Syringe Filters w/Nylon & Glass Microfiber Prefilter**	**Rev. 02**

PRODUCT CHARACTERISTIC	Membrane Diameter: 25 mm Effective Filtration Area: 4.63 cm² Housing Diameter: 30 mm Housing Materials: Polypropylene Inlet / Outlet: FLL / MSL Holdup Volume: GF25BNPGN002AD01, GF25BNPGN002AL01, GF25BNPGN002AT01:<300 microliter GF25BNPGN004AD01, GF25BNPGN004AL01, GF25BNPGN004AT01: <225 microliter Maximum Operating Temperature: 90°C/194°F, Maximum Operating Pressure: 80 psi Sterile: NO
PRODUCT SHELF LIFE	When stored under normal storage conditions, this product should be stable for 5 years
STERILIZATION	Can be sterilized with: ☐EtO ☒Gamma ☐Beta ☐Steam ☐e-beam
CERTIFICATE OF COMPLIANCE	Certificate of Compliance based on the lot numbers and part number can be found at http://www.gvs.com/product-line/4/57. Conformity declaration is printed on every invoice and Certificate is according to UNI EN 10204 type 2.1 The Quality management system is in compliance with ISO 9001:2015
DRAWING	 1. NY Membrane 2. GMF 0.7 µm 3. GMF 10.0 – 1.0 µm 4. Male Slip Luer 5. Female Luer Lock  Dimensions in mm, for ref. only

PRODUCT SPECIFICATION

Product PN	GF25BNPGN002AD01, GF25BNPGN004AD01, GF25BNPGN002AL01, GF25BNPGN004AL01, GF25BNPGN002AT01, GF25BNPGN004AT01	Mod. 984
Description	25 mm Multi Layer Syringe Filters w/Nylon & Glass Microfiber Prefilter	Rev. 02

VISUAL REQUIREMENTS

Visual acceptance requirements apply when inspected under below conditions:

Magnification: None
Light type: Standard

	Acceptance Requirement		Sampling Plan
1	Contamination	None	100%
2	Damaged Luer Fitting	None	100%
3	Missing Membrane	None	100%
4	Incomplete Membrane	None	100%
5	Membrane Displacement	None	100%
6	Membrane Protruding Out of Part	None	100%
7	Scuffed Surface	Total length of scuff exceed 2 ribs	100%
8	Cracked Housings	None	100%
9	Weld Flash	None	100%
10	Burn Outside of the Stake Ring	None	100%
11	Embedded Particles	< 0.8 mm^2 (Maximum 3 particles)	100%
12	Mold Flash	< 0.2 mm	100%

PERFORMANCE REQUIREMENTS

Acceptance Requirement			Sampling Plan
Pore size	0.22 um	0.45 um	AQL 0.1 Special inspection level S3
Pressure	≥ 80 PSI 10 Seconds	≥ 80 PSI 10 Seconds	ANSI/ASQ Standard Z1.4 - 2008
Min. Bubble point (psi)	44	22	AQL 0.1 Special inspection level S3

This material specification describes the properties of product above indicated.
This document contains general requirements, material description, drawing references, defect specification, biological material requirements.

REVISIONS AND APPROVALS:

DATE	REV.	*REASON FOR CHANGE*	ISSUED AND CONTROLLED BY: (name /function and signature)	APPROVED BY: (name /function and signature)
3/5/2021	0	Initial Release	Joe DeSisto, Director, Process Engineering	Kevin Wrigley, Director, Quality
3/29/2021	1	Update maximum operating pressure from 75psi to 80psi	Joe DeSisto, Director, Process Engineering	Kevin Wrigley, Director, Quality
3/31/2021	2	TYPO	Joe DeSisto, Director, Process Engineering	Kevin Wrigley, Director, Quality

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Description	**25 mm Multi Layer Syringe Filters w/Nylon & Glass Microfiber Prefilter**	**Rev. 02**

7/26/2021	3	Added Logo	Joe DeSisto, Director, Process Engineering	Kevin Wrigley, Director, Quality
10/5/2021	4	Typo in drawing section, change from 0.1um to 1.0um	Joe DeSisto, Director, Process Engineering	Kevin Wrigley, Director, Quality
10/25/2021	5	Added Item Codes GF25BNPGN002AL01, GF25BNPGN002AT01, GF25BNPGN004AL01, and GF25BNPGN004AT01 to relect the new packaging quanity of 10 and 50 syringe filters.	Joe DeSisto, Director, Process Engineering	Kevin Wrigley, Director, Quality

CustomerApproval:

We accept this material specification as a part of the agreed terms of delivery

Company name _____

Approved by: _____

(Name, Function) (Signature)

Date _____ _____

(Company stamp)

Please send back this document signed for approval. If we will not receive this specification signed , we consider the first order placed as implicit approval.