

1213160, 1212937, 1212978, 1213155, 1213158, 1213161 **Product PN**

Mod. 984

Description Small PTFE (hydrophobic) Capsule Filters Rev. 02



Small PTFE (hydrophobic) Capsule Filters



PR	OE) U	CT	•	
DE	SC	R	IP1	ГΙΟ	N

Hydrophobic PTFE Capsule Filters Capsule Size: small (EFA 0.83 ft²)

Product Code	Pore Size (μm)	Adaptors	Housing Polymer	Sterile
1213160	0.1	RR	polypropylene	No
1212937	0.2	WW	polypropylene	No
1212978	0.2	YY	polypropylene	No
1213155	0.2	MM	polypropylene	No
1213158	0.2	RR	polypropylene	No
1213161	0.45	RR	polypropylene	No

Adaptors: R= 1/4 in NPT male; W= 1/2 in NPT Male; Y= 1.5 in sanitary flange; M= 3/8 in hose barb

EFA is Effective Filtration Area

MANUFACTURER NAME

GVS North America 63 Community Drive Sanford, Maine, 04073

USA

Phone: +1.866.736.1250

eMail: CustomerCareGVSLS@gvs.com - Website: www.gvs.com

INTENDED USE / **APPLICATION**

Filtration of aggressive chemicals or solvents. Particle removal or filtration of

air/gases and vent applications.



1213160, 1212937, 1212978, 1213155, 1213158, 1213161 **Product PN**

Mod. 984

Rev. 02

Description Small PTFE (hydrophobic) Capsule Filters

MATERIALS

Description	Details
Filter media	PTFE (hydrophobic)
Filter Media Color	White
Frame/Housing Polymer	Polypropylene
Media Support	Polypropylene
Frame/Housing Color	White
Core/Outer cage	Polypropylene
End cap	Polypropylene
Sealing Method	Thermal bonding

GVS Filter Technology capsules contain no glues or adhesives.

PRODUCT CHARACTERISTIC

Physical/Mechanical:

Diameter: 3.5" (9 cm) **Dimension Table:**

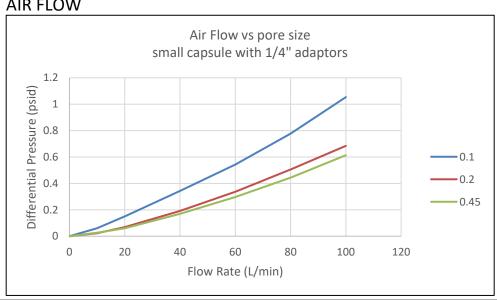
-			
Capsule Size	Effective Filtration Area	Adaptors	Length ¹
		WW	4.3" (11 cm)
Cmall	0.02 #2 /770 am2)	YY	4.7" (12 cm)
Small	0.83 ft ² (770 cm ²)	MM	4.0' (10 cm)
		RR	3.5" (9 cm)

¹ Varies with connection style

Adaptors: W= ½ in NPT Male; Y= 1.5 in sanitary flange; M= 3/8 in hose barb; R= ¼ in NPT male

	Operational Limits
Maximum Operational Pressure	80 psi (5.5 bar) @ 70°F (21°C) in liquid
	55 psi (3.8 bar) @ 70°F (21°C) in gas
Maximum Differential Pressure	60 psi (4.1 bar) @ 70°F (21°C)
Maximum Operating Temperature	110°F (43°C) @ ≤ 30 psi (2.1 bar) Operating Pressure

AIR FLOW



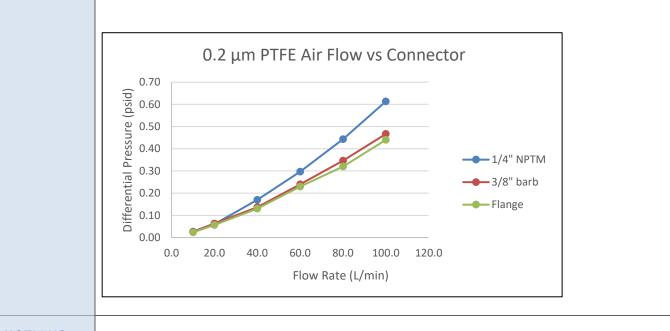


Product PN 1213160, 1212937, 1212978, 1213155, 1213158, 1213161

Mod. 984

Description Small PTFE (hydrophobic) Capsule Filters

Rev. 02



INSTRUCTIONS		Operational Limits
WARNINGS	Maximum Operational Pressure	80 psi (5.5 bar) @ 70°F (21°C) in liquid
	Maximum Differential Pressure	55 psi (3.8 bar) @ 70°F (21°C) in gas 60 psi (4.1 bar) @ 70°F (21°C)
	Maximum Operating Temperature	110°F (43°C) @ ≤ 30 psi (2.1 bar) Operating Pressure
STERILIZATION		rs are gamma irradiated (dose range is 25-40 kGy). at 121°C for up to a maximum of five, 30 minute cycles. The am sterilized.
APPLICABLE STANDARDS AND REGULATIONS	Quality control This product is manufactured in an IS FDA and EU 10/2011Compliance GVS Filter Technology PTFE capsule	e capsule filters meet the test criteria for USP Plastic Class VI. 3O 9001 registered facility. 4es are food compliant (FDA/EU); however as restrictions may it is end user's responsibility to determine full compliance.
PACKAGING AND LABELLING	Capsule label includes Operating limit Primary packaging: capsule is sealed	ts, part number, and lot number.
CERTIFICATE OF COMPLIANCE	The Quality management system is in When applicable, GVS NA will provid	e the CoC with item number, lot number and expiration date.



Product PN 1213160, 1212937, 1212978, 1213155, 1213158, 1213161

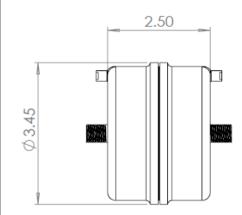
Mod. 984

Description Small PTFE (hydrophobic) Capsule Filters

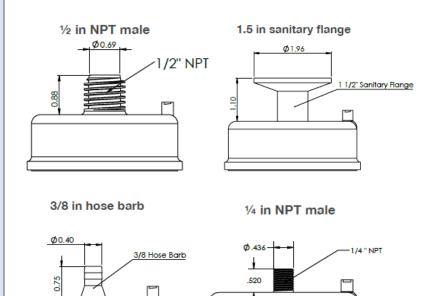
Rev. 02

DRAWING

Example drawing for reference (dimensions in inches): Small Housing:



Adaptors: $W = \frac{1}{2}$ in NPT Male; Y = 1.5 in sanitary flange; M = 3/8 in hose barb; $R = \frac{1}{4}$ in NPT male





Product PN 1213160, 1212937, 1212978, 1213155, 1213158, 1213161

Mod. 984

Description Small PTFE (hydrophobic) Capsule Filters

Rev. 02

PERFORMANCE REQUIREMENTS

		Accep	tance Re	quirement		Sampling Plan	
		Product Code	Pore Size (μm)	Water Intrusion Test Pressure (psi)	Max WI Rate (ml/min)		
		1213160	0.1	40	7	-	
1	Water Intrusion Integrity Test	1212937	0.2 30			100%	
'		1212978		0.2		_	10070
		1213155			0.2	30	7
		1213158					
		1213161	0.45	20	1.4	=	
2	Burst testing		All part num	nbers	@ 95 psi	100%	

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)
March 2, 2021	0	Initial Release	Debra English Manager Biochemistry Applications	Kevin Wrigley Director, Quality Herm M. W.

CustomerApproval:



Product PN	1213160, 1212937, 1212978, 1213155, 1213158, 1213161	Mod. 984
Description	Small PTFE (hydrophobic) Capsule Filters	Rev. 02

We accept this m	naterial specification as a part of th	ne 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.