

GE Healthcare



Great savings

Environmental testing for water



Distributor
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Physical analysis

Solids analysis

The level of suspended solids in a water sample is determined by pouring a carefully measured volume of water through a preweighed filter with a specified pore size, drying the filter to remove the water, and then weighing the filter again. The weight gain of the filter is a dry weight measure of the particulates present in the water sample expressed in units derived or calculated from the volume of water filtered (typically milligrams per liter).

Suspended solids measurements are typically performed using glass fiber filter circles that need additional preparation prior to use. However, GE has developed ready-to-use 934-AH RTU glass fiber filters, which are supplied in a prewashed and preweighed format and enable considerable time savings in the laboratory. 934-AH RTU filters also provide reproducible results and low background contamination.



Fig 1. Total solids analysis workflow using filtration-based methods.

▶ What are you testing for?	▶ Product	▶ Characteristics and benefits
Solids, including: <ul style="list-style-type: none"> • total suspended • total dissolved • total volatile 	GF/C™ 934-AH™ glass fiber filters Ordering information p. 3	<ul style="list-style-type: none"> • Conform to requirements of standard methodologies: GF/C for EN 872 (Fig 2); 934-AH for Standard Method 2540D • High loading capacity enabling filtration of very turbid samples • Retention of very fine particles
	934-AH RTU Ordering information p. 3	<ul style="list-style-type: none"> • Share same benefits as traditional 934-AH glass fiber filters • Ready-to-use format • Prewashed, preweighed according to 2540D • Each pretreated filter comes in an aluminium pan, with the filter weight clearly noted • Each pan has its own unique barcode

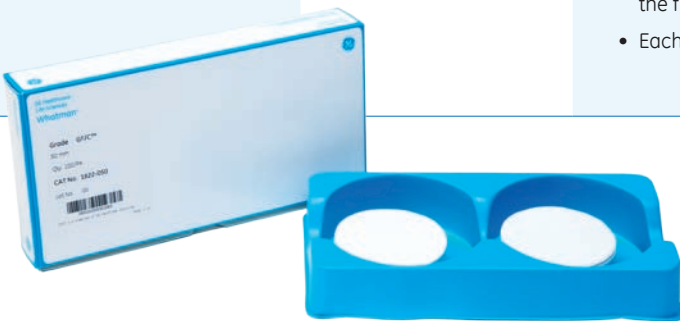


Fig 2. GF/C glass fiber filters meet the requirements of EN 872.



Ordering information Glass fiber filters for solids analysis, 100/pack

Grades	GF/C	934-AH	934-AH RTU preweighed, prewashed*
Typical particle retention (µm)**	1.2 µm	1.5 µm	1.5 µm
Diameter (mm)	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.
42.5	28497-685	28496-875	97040-974
47	28497-696	28496-886	CA11008-600
55	28497-700	28496-897	97040-978
70	28497-721	28496-911	-
90	28497-743	CA28496-933	CA11025-656

* Each filter is supplied in an individual aluminum pan

** Particle retention rating at 98% efficiency



Chemical analysis

Dissolved heavy metals

Chemical analyses are commonly performed using analytic instrumentation. Filtration of water samples prior to analysis is good practice in order to remove unwanted particles from the analysis and to protect delicate instrumentation from potentially damaging compounds.

Accurate analysis of heavy metals such as lead or mercury depends on not introducing any interference into the sample from consumables used in the analytical preparation process. Water samples are often high in particulate matter, which can present filtration challenges because the particulates can

readily block membrane filters. Traditionally, a glass fiber pre-filter has been used to alleviate this problem. However, filters containing some types of glass fiber can introduce trace metals into the sample. To avoid potential sample contamination, GE offers a syringe filter that incorporates an effective pre-filter composed of polypropylene rather than glass fiber.

GD/XP syringe filters

GD/XP syringe filters can be used with samples that require inorganic ion analysis (e.g., trace metal analysis using inductively coupled plasma-mass spectrometry [ICP-MS]).

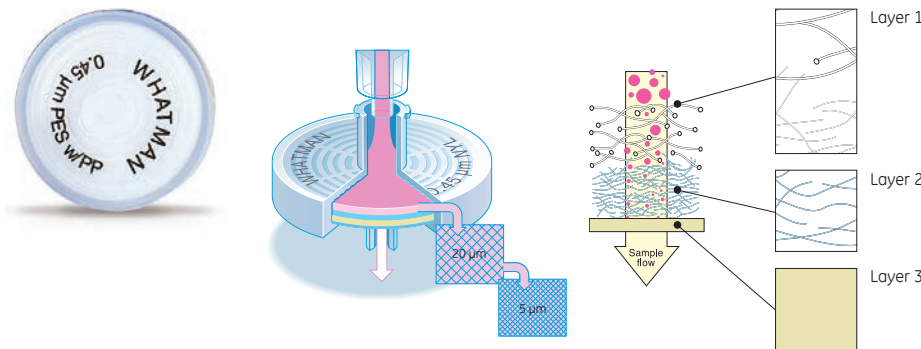


Fig 3. GD/XP syringe filters contain multiple filtration layers, which subsequently reduce blockage and increase volume throughput.

What are you testing for?	Product	Characteristics and benefits
Dissolved heavy metals	GD/XP syringe filters, 25 mm (filtration in the lab); Fig 3 Ordering information p. 5	<ul style="list-style-type: none"> • Pre-filter made of polypropylene for minimization of ion extractables • Integrated prefiltration with a dual-layer prefilter stack and one final 0.45 µm membrane • Easy filtration of hard-to-filter samples • Filtration of larger sample volumes compared to filters without pre-filters
	Polydisc GW and Polycap GW in-line filters (filtration in the field); Fig 4 Ordering information p. 5	<ul style="list-style-type: none"> • Integrated prefilter • Easy filtration of hard-to-filter samples • Filtration of larger sample volumes compared to filters without pre-filters



Fig 4. Polycap GW (left) and Polydisc GW (right) are designed for sample preparation of ground water samples for the analysis of dissolved heavy metals.

Ordering information

GD/XP syringe filters

Membrane type	Nylon	PVDF	PP	PES	
Pore size (µm)	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	Quantity
0.45	28137-976	28137-980	-	CA28137-996	150/pack
0.45	CA11013-994	CA28137-982	28137-994	CA11013-990	1500/pack


In-line filters

Quantity	1/pack	100/pack	20/pack	50/pack
Product	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.
Polydisc GW Filter 50 mm, nylon with quartz fiber prefilter, 0.45 µm	-	-	CA11013-490	CA11012-972
Polycap GW 75, 0.45 µm, PES membrane	13503-498	CA11013-920	-	-



Dissolved ions

Filters for sample preparation prior to ion chromatography testing should feature very low levels of anion leaching.

▶ What are you testing for?	▶ Product	▶ Characteristics and benefits
Dissolved ions	<p>Anotop™ IC syringe filters</p> 	<ul style="list-style-type: none"> • Contain a proprietary alumina-based Anopore™ membrane that exhibits very low levels of anion leaching (e.g., fluoride, sulfide, nitrate, nitrite) during ion chromatography (IC) testing • Pigment-free PP housing to eliminate sample contamination • Flexibility – available in either 10 mm or 25 mm diameter • Certified and guaranteed low levels of anion leaching


Ordering information Anotop IC syringe filters

Membrane/pore size	Diameter	Quantity	VWR Cat. No.
Aluminum oxide – 0.2 µm	10 mm	100/pack	-
Aluminum oxide – 0.2 µm	10 mm	200/pack	CA11013-020
Aluminum oxide – 0.2 µm	25 mm	200/pack	CA28297-720

Dissolved organic carbons

Organic matter content is usually measured as dissolved organic carbon (DOC), which is an important component of the carbon cycle. DOC is defined as the organic matter that is able to pass through a filter, typically one with a 0.45 µm pore size.


Puradisc Aqua syringe filters are specifically designed for filtration of environmental samples prior to DOC analysis.

▶ What are you testing for?	▶ Product	▶ Characteristics and benefits
Dissolved organic carbons	<p>Puradisc Aqua 30 syringe filters</p> 	<ul style="list-style-type: none"> • Contain prewashed membranes (prior to assembly) to reduce organic carbon level and ensure low background • Designed for aqueous samples • Hydrophilic cellulose acetate membrane, 30 mm diameter

Ordering information Puradisc Aqua syringe filters

Membrane/pore size	Diameter	Quantity	VWR Cat. No.
Cellulose acetate – 0.45 µm	30 mm	50/pack	CA11013-130
Cellulose acetate – 0.45 µm	30 mm	100/pack	CA11013-156
Cellulose acetate – 0.45 µm	30 mm	500/pack	CA11013-434

HPLC, UHPLC, and other analytical techniques

What are you testing for?	Product	Characteristics and benefits
Low solids content	Puradisc Ordering information p. 8 	<ul style="list-style-type: none"> Wide range of membranes, pore sizes and diameters Pre-filter: no Diameter: 4, 13, 25, or 30 mm Available pore sizes: 0.1, 0.2, 0.45, 0.8, 1.0, 1.2, 5 µm Membrane materials available: Cellulose acetate, nylon, PES, PVDF, PP, PTFE, GF
	SPARTAN™ Ordering information p. 8 	<ul style="list-style-type: none"> HPLC certified Pre-filter: no Diameter: 13 or 30 mm Available pore sizes: 0.2 or 0.45 µm Membrane materials available: Regenerated cellulose 
Hard-to-filter samples	Whatman GD/X™ Ordering information p. 8 	<ul style="list-style-type: none"> For hard-to-filter samples Pre-filter: multilayer glass filter Diameter: 13 or 25 mm Available pore sizes: 0.2, 0.45, 0.7, 1.0, 1.2, 1.5, 2.7, 5.0 µm Membrane materials available: Cellulose acetate, nylon, PES, PVDF, PP, PTFE, RC 
	GD/XP Ordering information p. 8 	<ul style="list-style-type: none"> For hard-to-filter samples where analytes of interest are inorganic ions Pre-filter: Multilayer polypropylene Diameter: 25 mm Available pore sizes: 0.45 µm Membrane materials available: Nylon, PES, PVDF, PP, PTFE
HPLC/GC autosamplers	Mini-UniPrep™ Ordering information p. 9 	<ul style="list-style-type: none"> All-in-one filter and PLASTIC autosampler vial Pre-filter: no Dimensions: Once compressed equivalent to 12 mm × 32 mm vial Available pore sizes: 0.2 or 0.45 µm Membrane materials available: PTFE, RC, Nylon, PVDF, PES, PP, GMF 
	Mini-UniPrep G2 Ordering information p. 9 	<ul style="list-style-type: none"> All-in-one filter and GLASS autosampler vial Pre-filter: no Dimensions: Once compressed equivalent to 12 mm × 32 mm vial Available pore sizes: 0.2 or 0.45 µm Membrane materials available: PTFE, Nylon, PVDF, PP, GMF, RC 

RC = regenerated cellulose, PVDF = polyvinylidene difluoride, PTFE = polytetrafluoroethylene, PP = polypropylene, PES = polyethersulfone, GMF = glass microfiber filter, GF = glass fiber, CA = cellulose acetate



Regenerated cellulose membranes

Suitable for filtration of both aqueous and organic samples.

We offer a range of filters for sample preparation for commonly used analytical techniques in water monitoring such as:

- HPLC or UHPLC
- Continuous flow analysis
- Gas chromatography (GC)

Ordering information – chemical analysis of water

Puradisc syringe filters

Membrane type/ diameter	Nylon 25 mm	PVDF 25 mm	PTFE 25 mm	PP 25 mm	PES 25 mm	CA 30 mm		
Pore size	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	Quantity	VWR Cat. No.	Quantity
0.2 µm	CA28205-510	89233-770	CA28137-932	28137-958	28137-942	200/pack	89233-772	100/pack
0.2 µm	CA28205-530	-	70240-162	CA28137-974	CA14233-762	1000/pack	89233-774	500/pack
0.45 µm	28205-512	70240-170	28137-934	28137-960	28137-944	200/pack	CA11008-550	100/pack
0.45 µm	28205-532	70240-174	70240-160	28137-967	28455-248	1000/pack	89233-776	500/pack

SPARTAN syringe filters

Diameter		13 mm	13 mm with mini-tip	30 mm	
Membrane	Pore size	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	Quantity
Regenerated cellulose	0.2 µm	CA52844-782	CA52844-786	CA97005-228	100/pack
Regenerated cellulose	0.2 µm	CA97005-224	CA97005-226	CA97005-230	500/pack
Regenerated cellulose	0.45 µm	CA52844-780	CA52844-784	CA97005-232	100/pack
Regenerated cellulose	0.45 µm	CA97005-220	CA97005-222	CA97005-234	500/pack

GD/X syringe filters (glass fiber prefilter), 25 mm diameter

Membrane type	Nylon	PVDF	PTFE	PP	PES	CA	RC	
Pore size	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	Quantity
0.2 µm	28138-154	28138-158	28138-162	CA28138-170	28138-166	28138-174	89233-780	150/pack
0.2 µm	28138-192	CA28138-196	28138-200	-	CA89233-778	-	-	1500/pack
0.45 µm	28138-156	28138-160	28138-164	28138-172	28138-168	28138-176	89233-782	150/pack
0.45 µm	28138-194	CA28138-198	CA28138-202	14005-864	14217-554	80087-208	89233-784	1500/pack

GD/XP syringe filters (polypropylene prefilter), 25 mm diameter

Membrane type	Nylon	PVDF	PTFE	PP	PES	
Pore size	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	Quantity
0.45 µm	28137-976	28137-980	28137-984	28137-988	CA28137-996	150/pack
0.45 µm	CA11013-994	CA28137-982	-	28137-994	CA11013-990	1500/pack

Mini-UniPrep with polypropylene housing

Membrane type			PTFE	PVDF	Nylon	PP	RC	PES	
Pore size	Housing	Cap	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	Quantity
0.2 µm	Translucent	Standard	14224-946	14224-978	14224-976	14224-930	97015-564	14224-914	100/pack
0.45 µm	Translucent	Standard	28137-758	28137-762	28137-754	28137-766	97015-562	10147-936	100/pack
0.2 µm	Amber	Standard	84009-508	84009-504	84009-506	84009-512	-	84009-510	100/pack
0.45 µm	Amber	Standard	83009-802	84009-514	89233-786	83009-806	-	83009-804	100/pack
0.2 µm	Translucent	Slit septum	12000-528	12000-524	12000-526	12000-532	-	12000-530	100/pack
0.45 µm	Translucent	Slit septum	83009-816	83009-808	83009-814	83009-820	-	-	100/pack

Mini-UniPrep G2 with inner glass storage vial (hand or multicompressor required for use)

Membrane type			PTFE	PVDF	Nylon	PP	GMF	RC	
Pore size	Housing	Cap	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	Quantity
0.2 µm	Translucent	Standard	CA89234-956	CA89234-964	CA89234-970	CA89234-974	-	CA10054-398	100 + 1 HC
0.2 µm	Translucent	Standard	CA89234-954	CA89234-962	-	CA89234-972	-	CA10054-378	100/pack
0.45 µm	Translucent	Standard	CA89234-960	CA89234-968	-	-	CA10054-400	CA10054-436	100 + 1 HC
0.45 µm	Translucent	Standard	CA89234-958	CA89234-966	-	-	CA10054-432	CA10054-434	100/pack
0.2 µm	Amber	Standard	CA89234-976	CA89234-978	-	-	-	-	100 + 1 HC
0.2 µm	Translucent	Slit septum	CA89234-980	-	-	-	-	-	100 + 1 HC
0.45 µm	Translucent	Slit septum	CA89234-982	-	-	-	CA10054-386	-	100 + 1 HC
0.45 µm	Translucent	Slit septum	-	-	-	-	CA10054-376	-	100/pack

HC = Hand compressor

Compressors for Mini-UniPrep

Compressor suitable for	Description	VWR Cat. No.	Quantity
Mini-UniPrep G2 (glass vial)	Hand compressor - 1 position	-	1/pack
	Multi Compressor - 8 positions (includes 1 tray)	CA89499-526	1/pack
Mini-UniPrep (plastic vial)	Multi Compressor - 6 positions	14227-832	1/pack



Fig 5. Mini-UniPrep G2 Multi Compressor.

Microbiological analysis

Bacterial count and/or detection

MBS I system and membranes

The MBS I filtration system is designed for laboratories that handle high numbers of samples for microbiological quality control.

Workflow

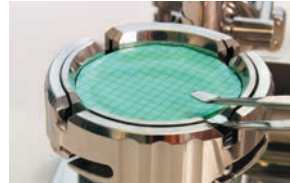


(A) Tight sealing of funnel and membrane reducing any cross contamination to a minimum by special sealing technique.



(B) Flexibility.

- Volume—either 100 ml or 350 ml
- Material—either ABS or PP
- PP version can be autoclaved up to 50 times.



(C) Easy removal of the membrane.

Membranes

We provide a wide and versatile range of filtration membranes that deliver high-quality performance consistently. The appropriate membrane filter choice will depend on the methodology being followed. ME and Microplus membranes are sterile and individually packed.

Membrane material	Cellulose mixed ester	High-flux cellulose nitrate	Nylon (polyamide)	Polycarbonate
Product name	ME	MicroPlus	NL	Nuclepore™
Color	White, black or green	White or black	White	White or black
Pore size	0.2 µm/0.45 µm/ 0.6 µm/0.8 µm	0.45 µm	0.2 µm/0.45 µm	0.2 µm/0.4 µm (and other pore sizes)
Application examples	<i>Enterococcus</i> , <i>E. coli</i> , <i>Clostridia</i> , Fecal coliforms, <i>Staphylococcus</i> , <i>Pseudomonas aeruginosa</i> , etc		<i>Legionella</i>	<i>Legionella</i>

Filtration considerations

Microorganisms in a water sample are collected using a microfiltration membrane filter. The membrane can then be transferred onto a microbiological culture medium for further identification and/or quantification of microorganisms.

Membrane filtration methods are commonly used for the detection of microorganisms such as *E. coli*, *Clostridia*, fecal coliforms, *Legionella*, *Staphylococci*, and *Pseudomonas aeruginosa*. These methods involve the use of membrane filters and filtration manifolds.

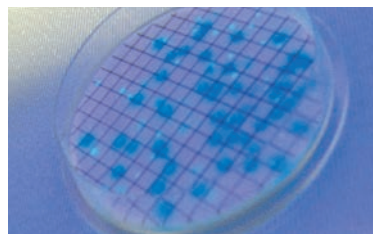


Fig 6. Gridded membrane on agar plate containing bacterial colonies.

What are you testing for?	Product	Characteristics and benefits
Bacterial count and/or detection	Membranes	<ul style="list-style-type: none"> Both sterile and nonsterile options Range of pore sizes available ME and MicroPlus membranes are sterile and individually packed. They contain a folded strip of filters for use with our membrane dispenser
	Accessories: Membrane-Butler membrane dispenser (manual version); Fig 7	<p>With each turn a membrane filter is ejected and can be removed easily with a pair of tweezers.</p> <ul style="list-style-type: none"> Cross-contamination risks are minimized Membrane is dispensed rapidly
	Other microbiological control accessories: funnel dispenser, funnels, tweezers, autoclaving bags	<ul style="list-style-type: none"> Waste reduction, because PP funnels can be autoclaved up to 20 times Time saving; no need to flame in between filtrations Easy handling Reduce cross-contamination Reproducible results Low background contamination



Ordering information

Membrane filters

Diameter		Membrane-Butler			25 mm	47 mm	50 mm	
Membrane material/type	Pore size	Color	Sterile	compatible	VWR Cat. No.	VWR Cat. No.	VWR Cat. No.	Quantity
Cellulose mixed ester/ ME type	0.2 µm	white	yes	no		89233-756	89233-758	100/pack
	0.2 µm	white	yes	yes		89233-760	89233-762	400/pack
	0.45 µm	white	yes	no		CA11008-580	CA11013-980	100/pack
	0.45 µm	white	yes	yes		CA13500-170	CA28151-150	400/pack
	0.45 µm	black/white grid	yes	yes		CA11013-524		100/pack
	0.45 µm	black/white grid	yes	yes		CA13500-162		400/pack
Cellulose nitrate/ Microplus	0.45 µm	white	yes	no		89233-750	89233-752	100/pack
	0.45 µm	white	yes	yes		74330-508	74330-510	400/pack
	0.45 µm	black	yes	no			89233-754	100/pack
Polycarbonate/ Nuclepore	0.2 µm	white	no	no		28157-927	CA11013-346	100/pack
	0.4 µm	white	no	no		28157-960	CA11013-328	100/pack
Nylon (Polyamide)/NL	0.4 µm	white	no	no		28152-899	CA11013-046	100/pack

Accessories for microbiological control

Product	Description	Quantity/pack	VWR Cat. No.
AS 200	2-place vacuum manifold	1	74330-496
Funnel dispenser	Automatic dispenser for funnels	1	74330-498
Funnels 100 ml	PP (autoclavable)	20	74330-500
Funnels 350 ml	PP (autoclavable)	20	74330-504
Autoclaving bags	Autoclaving bags for MBS I funnels	20	89233-746
Membrane-Butler	Manual dispenser for membranes	1	CA28151-134



Fig 7. Membrane-Butler

Chemical compatibility of membranes and housings*

Selecting the right filter depends on the solvent that you are using for your application. This table will help ensure that you get it right the first time.

Solvent	ANP	CA	CN	PC	PE	GMF	NYL	PP	DpPP	PES	PTFE [‡]	PVDF	RC
Acetic acid, 5%	R	LR	R	R		R	R	R	R	R	R	R	R
Acetic acid, glacial	R	NR	NR			R	LR	R	R	R	R	R	NR
Acetone	R	NR	NR	NR	R	R	R	R	R	NR	R	NR	R
Acetonitrile	R	NR	NR			R	R	R	R	NR	R	R	R
Ammonia, 6 N	NR		NR	NR	LR	LR	R	R	R	R	R	LR	LR
Amyl acetate	LR	NR	NR	NR	R	R	R	R	R	LR	R	LR	R
Amyl alcohol	R	LR	LR			R	R	R	R	NR	R	R	R
Benzene [†]	R	R	R	NR	R	R	LR	NR	NR	R	R	R	R
Benzyl alcohol [†]	R	LR	LR	LR	R	R	LR	R	R	NR	R	R	R
Boric acid	R	R	R	R	R	R	LR	R	R		R	R	R
Butyl alcohol	R	R	R	R	R	R	R	R	R	R	R	R	R
Butyl chloride [†]						R	NR	NR	NR		R	R	
Carbon tetrachloride [†]	R	NR	R	LR	R	R	LR	NR	NR	NR	R	R	R
Chloroform [†]	R	NR	R	NR	R	R	NR	LR	LR	NR	R	R	R
Chlorobenzene [†]	R		LR	NR		R	NR	LR		NR	R	R	R
Citric acid						R	LR	R		R	R	R	R
Cresol		NR	R			R	NR	NR	NR	NR	R	NR	R
Cyclohexane	R	NR	NR	R	R	R	NR	NR	NR	NR	R	R	R
Cyclohexanone	R	NR	NR			R	NR	R	R	NR	R	R	R
Diethylacetamide		NR	NR			R	R	R	R		R	NR	R
Dimethylformamide	LR	NR	NR			R	R	R	R	NR	R	NR	LR
Dioxane	R	NR	NR	NR	R	R	R	R	R	LR	R	LR	R
DMSO	LR	NR	NR	NR	R	R	R	R	R	NR	R	LR	LR
Ethanol	R	R	NR	R	R	R	R	R	R	R	R	R	R
Ethers	R	LR	LR	R	R	R	R	NR	NR	R	R	LR	R
Ethyl acetate	R	NR	NR	NR	R	R	R	R	R	NR	R	NR	R
Ethylene glycol	R	LR	LR	R	R	R	R	R	R	R	R	R	R
Formaldehyde	LR	LR	R	R	R	R	R	LR	LR	R	R	R	LR
Freon TF	R	R	R	R	R	R	NR	NR	NR	R	R	R	
Formic acid		LR	LR			R	NR	R	R	R	R	R	LR
Hexane	R	R	R	R	R	R	R	R	R	R	R	R	R
Hydrochloric acid, conc.	NR	NR	NR	NR	NR	R	NR	LR	LR	R	R	R	NR
Hydrofluoric acid		NR	NR			NR	NR	LR	LR		R	R	NR

Solvent	ANP	CA	CN	PC	PE	GMF	NYL	PP	DpPP	PES	PTFE [†]	PVDF	RC
Isobutyl alcohol	R	LR	LR	R	R	R	R	R	R		R	R	R
Isopropyl alcohol	R	R	LR			R	R	R	R		R	R	R
Methanol	R	R	NR	R	R	R	R	R	R	R	R	R	R
Methyl ethyl ketone	R	LR	NR	NR	R	R	R	R	R	NR	R	NR	R
Methylene chloride [†]	R	NR	LR			R	NR	LR	LR	NR	R	R	R
Nitric acid, conc.		NR	NR	LR	NR	R	NR	NR	NR	NR	R	R	NR
Nitric acid, 6 N		LR	LR			R	NR	LR	LR	LR	R	R	LR
Nitrobenzene [†]	LR	NR	NR	NR	R	R	LR	R	R	NR	R	R	R
Pentane	R	R	R	R	R	R	R	NR	NR	R	R	R	R
Perchloroethylene	R	R	R			R	LR	NR	NR	NR	R	R	R
Phenol 0.5%	LR	LR	R			R	NR	R	R	NR	R	R	R
Pyridine	R	NR	NR	NR	R	R	LR	R	R	NR	R	NR	R
Sodium hydroxide, 6N	NR	NR	NR	NR	NR	NR	LR	R	R	R	R	NR	NR
Sulfuric acid, conc.	NR	NR	NR	NR	NR	R	NR	NR	NR	NR	R	NR	NR
Tetrahydrofuran	R	NR	NR			R	R	LR	LR	NR	R	R	R
Toluene [†]	R	LR	R	NR	R	R	LR	LR	LR	NR	R	R	R
Trichloroethane [†]	R	NR	LR	NR	R	R	LR	LR	LR	NR	R	R	R
Trichloroethylene [†]	R		R			R	NR	LR	LR	NR	R	R	R
Water	R	R	R	R	R	R	R	R	R	R	R	R	R
Xylene [†]	R	R	R			R	LR	LR	LR	LR	R	R	R
Xylene [†]	R	R	R			R	LR	LR	LR	LR	R	R	R

* ANP = Anopore; CA = Cellulose acetate; CN = Cellulose nitrate; DpPP = Polypropylene depth filter; GMF = Glass microfiber; NYL = Nylon; PC = Polycarbonate; PE = Polyester; PES = Polyethersulfone; PP = Polypropylene; PTFE = Polytetrafluoroethylene; PVDF = Polyvinylidene difluoride; RC = Regenerated cellulose R = Resistant; LR = Limited Resistance; NR = Not Recommended.

[†] Short Term Resistance of Housing.

[‡] Membrane may need pre-wetting with isopropanol/methanol if filtering a polar liquid.

The above data is to be used as a guide only. Testing prior to application is recommended.



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