

Application Notes



Cost-Effective Solvent Filtration with FiberFlo® Pleated Filters

The Lower Cost Alternative to Teflon®

Until now, many critical filtration processes for solvents and other harsh chemicals have been performed using very expensive “All Teflon” filters.

Now, Mar Cor Purification offers two less expensive alternatives made using a new, All-Nylon construction along with the proven all-polypropylene construction. These far less costly filters give users the ability to achieve high quality filtration without the high cost of Teflon.

Single-Material for Broad Chemical Compatibility

Mar Cor Purification offers two pleated filters made using single materials for consistent chemical compatibility.

The New FiberFlo FPNN All Nylon membrane filters made using Nylon membrane and hardware, plus the FiberFlo FPPM All Polypropylene membrane filters with polypropylene membrane and hardware provide a cost effective alternative for filtering a broad range of chemicals.

Filtering Solvents in a Critical Environment

Filtering solvents in a critical environment, like pharmaceutical manufacturing or semiconductor production, requires high purity and reliable performance.

FiberFlo pleated filters are made to exacting standards, provided to users with supporting documentation on cleanliness and can be integrity tested in-situ to assure performance.

On the following page is a table showing the compatibility of selected FiberFlo Pleated Filters with solvents typically found in critical environments.



Clean Solvent FiberFlo Pleated Filter Cartridge Compatibility Chart

Solvent Or Reagent Name	CAS #	All Polypropylene	All Nylon
Acetone	67-64-1	NR	R
Acetophenone	98-86-2	NR	R
Amyl Acetate	628-63-7	R	LR
Anisole	100-66-3	R	--
Cellosolve	110-80-5	R	R
Chloroform	67-66-3	LR	NR
Cyclohexanone	108-94-1	LR	R
Diethylamine	109-98-7	R	R
Dimethyl Formamide	68-12-2	R	R
Dimethyl Sulfoxide	67-68-5	R	R
Dioxane	123-91-1	LR	R
Ether	60-29-7	NR	R
Ethyl Acetate	141-78-6	LR	R
Ethyl Ether	60-29-7	LR	R
Ethylene Dichloride	107-06-2	LR	R
Formaldehyde (37%)	50-00-0	R	NR
Formaldehyde (4%)	50-00-0	R	NR
Heptane	142-82-5	NR	R
Hexane	110-54-3	NR	R
HMDS (src)	999-97-3	R	--
Isopropyl Acetate	108-21-4	R	R
Isopropyl Alcohol	67-63-0	R	R
Methyl Acetate	79-20-9	LR	R
Methyl Ethyl Ketone	78-93-3	LR	R
Methyl Isobutyl Ketone	108-10-1	R	R
Methylene Chloride	75-09-2	LR	LR
T-Butanol (Butyl Alcohol)	75-65-0	R	R
THF	109-99-9	NR	R
Toluol	108-88-3	NR	R
Triethylamine	121-44-8	NR	R

R = Resistant, no significant effect

LR = Limited Resistance, minor effects such as slight swelling or discoloration

NR = Not Recommended, Significant effects

-- = No Data



MAR COR
PURIFICATION
A Cantel Medical Company

Mar Cor Purification
4450 Township Line Road
Skippack, PA 19474-1429
U.S.A.
Tel: (484) 991-0220
Toll Free: (800) 346-0365
Fax: (484) 991-0230

Mar Cor Purification
14605 28th Avenue North
Minneapolis, MN 55447-4822
U.S.A.
Tel: (763) 553-3300
Toll Free: (800) 328-3370
Fax: (763) 553-3387

Mar Cor Purification
3250 Harvester Road - Unit 6
Burlington, ON L7N 3W9
Canada
Tel: (905) 639-7025
Toll Free: (800) 268-5035
Fax: (905) 639-0425

Minntech B.V.
Sourethweg 11
6422 PC Heerlen
The Netherlands
Tel: (+31) 45 5471 471
Fax: (+31) 45 5429 695

Minntech Asia/Pacific Pte. Ltd
438 Alexandra Road
#03-01 Alexandra Point
Singapore 119958
Tel: (+65) 6227 9698
Fax: (+65) 6225 6848

www.mcpur.com