

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



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