

Chemical Compatibility

Media Materials

	Acids				Alcohols				Bases				Esters				Ethers		Glycols		Aromatic Hydrocarbons		Halogenated Hydrocarbons		Ketones		Oils	Miscellaneous								
Biodyne® Membrane	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Bio-Inert® (Nylon) Membrane	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
BioTrace™ NT Membrane	N	-	-	N	-	-	N	-	N	-	N	-	-	-	N	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Emflon® II (PVDF) Membrane	R	R	R	R	R	R	R	R	N	-	R	R	R	R	R	R	-	N	N	N	R	R	L	R	R	R	R	R	N	L	N	N	R	R	R	N
Fluorodyne® II (PVDF) Membrane	R	R	R	R	R	R	R	R	N	-	R	R	R	R	R	R	N	N	N	N	R	R	L	R	R	R	R	R	N	L	N	N	R	R	R	N
FluoroTrans® W (PVDF) Membrane	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	-	N	N	N	R	R	L	R	R	R	R	R	N	L	N	N	R	R	R	N
GLA-5000 (PVC) Membrane	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Glass Fiber Media	R	R	R	R	R	R	R	L	-	R	R	R	N	R	R	R	R	R	R	R	N	-	-	R	R	R	R	R	R	R	R	R	R	R	R	R
GN Metrice® (MCE) Membrane	N	-	-	N	-	-	N	-	N	-	R	N	L	N	R	N	-	-	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Metrice Black Membrane	R	R	R	R	R	R	R	-	N	-	N	N	R	R	R	R	R	R	R	R	R	R	R	R	R	R	N	N	N	N	N	N	R	R	N	N
Mustang® E Membrane*	R	R	R	R	R	R	R	R	N	-	N	-	N	N	R	R	R	R	R	R	R	R	R	R	R	R	N	N	N	N	R	R	N	N	R	R
Mustang Q Membrane*	R	R	R	R	R	R	R	R	N	-	N	-	N	N	R	R	R	R	R	R	R	R	R	R	R	R	N	N	N	N	R	R	N	N	R	R
Mustang S Membrane*	R	R	R	R	R	R	R	R	N	-	N	-	N	N	R	R	R	R	R	R	R	R	R	R	R	R	N	N	N	N	R	R	N	N	R	R
Nylaflo™ (Nylon) Membrane	N	N	L	R	R	R	R	N	L	N	L	L	N	L	R	L	L	R	L	R	L	R	L	R	-	R	N	N	N	R	L	L	R	L	R	N
Posidyne® Nylon Membrane*	R	R	R	R	R	R	R	N	-	N	-	N	N	R	R	R	R	R	R	R	R	R	R	R	R	R	N	N	N	N	R	R	N	N	R	R
Supor®, Supor EKV (PES) Membrane	R	R	R	R	R	R	R	N	-	N	-	N	N	R	R	R	R	R	R	R	R	R	R	R	R	R	N	N	N	N	R	R	N	N	R	R
Teflo, TF (PTFE) Membrane	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Ultipor® N66 Membrane	N	N	N	N	N	N	N	N	N	N	R	N	R	R	R	L	L	N	L	N	R	R	R	R	R	R	R	R	R	L	L	L	N	N	L	
Versapor® Membrane	N	-	-	N	-	L	N	-	N	-	R	R	R	R	R	R	R	R	R	L	R	R	R	R	R	N	-	R	R	R	R	N	N	N	L	
wwPTFE Membrane	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	

Test Methods

The data presented in this chart is a compilation of testing by Pall Corporation with certain chemicals, manufacturer's data, or compatibility recommendations from the *Compass Corrosion Guide* by Kenneth M. Prueett. This data is intended to provide expected results when filtration devices are exposed to chemicals under static conditions for 48 hours at 25 °C (77 °F), unless otherwise noted. Membrane integrity for syringe filters was tested by bubble point.

This chart is intended only as a guide. Accuracy cannot be guaranteed. Users should verify chemical compatibility with a specific filter under actual use conditions. Because chemical compatibility is affected by many variables (including temperature, pressure, concentration, and purity), various chemical combinations prevent complete accuracy.

Caution

Alcohol residues that are allowed to dry on a filter may cause stress cracks. Pall Corporation recommends that filters used in alcohol processing should remain alcohol wet or should be flushed with copious quantities of water to remove residuals prior to drying and subsequent reuse.

R = Resistant

No significant change was observed in flow rate or bubble point of the membrane. No visible indication of chemical attack was detected.

L = Limited Resistance

Moderate changes in physical properties or dimensions of the membrane were observed. The filter may be suitable for short term, non-critical use. Hardware or housing may be suitable for short-term exposure at low pressures and ambient temperatures.

N = Not Resistant

The membrane or housing is basically unstable and is not recommended for use.

- = Insufficient Data

Information is not available. Trial testing is recommended.

*Chemical compatibility refers to the base membrane. The effect of various chemicals on the surface chemistry has not been tested.