



Chemical Compatibility of TPP Syringe Filter

TPP syringe filter unit's bi-directional support of the filter membrane enables users to filter aqueous solutions in either direction, forward (from the syringe into the container) or backward (from the container into the syringe). The filter removes microorganisms, particles, precipitates, and non-dissolved powders larger than 0.22 micron (μm) or 0.45 micron (μm) respectively. Typical applications include the sterile filtration of protein solutions, tissue culture media, additives, buffers, and water. These single-use filter units consist of a membrane filter sealed in an acrylic housing.

The TPP syringe filter is compatible with most aqueous solutions. Based on information from technical publications, materials suppliers, laboratory tests, and field evaluations, TPP believes that the agents listed in the following chart are safe to use with TPP syringe filter units. However, because of the effects of variability in temperature, concentrations, duration of exposure, and other factors outside of our control, TPP does not provide or imply a warranty with respect to this information. Agents that are not listed should be tested prior to use.

Acetic Acid (aqueous solution)
Alconox 1%
Ammonium Hydroxide
Ammonium Sulfate (saturated)
Amyl Alcohol
Benzyl Alcohol
Boric Acid (aqueous solution)
Butyl Alcohol
CHAPS (aqueous solution)
Diethyl Pyrocarbonate (0.2% solution)
Ethylene Glycol
Formaldehyde
Formic Acid (50% solution)
Freon™ (TF or PCA)
Gasoline
Glycerine (glycerol)
Guanidine HCl (6M solution)
Guanidine Thiocyanate (5M solution)
Guanidinium HCL (6M solution)
Helium
Hexane
Hydrochloric Acid (1N solution)
Hydrochloric Acid (6N solution)
Hydrochloric Acid (concentrated)
Hydrofluoric Acid
Hydrogen
Hydrogen Peroxide (3% solution)
Hydrogen Peroxide (30% solution)
Hydrogen Peroxide (90% solution)
HYPO (dilute solution)

Isobutyl Alcohol
Isopropyl Alcohol
Kerosene
Lactic Acid (50% solution)
Lubrol PX
Mercaptoethanol (0.1M solution)
Mineral Spirits
Nitric Acid (6N solution)
Nitric Acid (concentrated)
Nitrogen
Nonidet-P 40
Paraldehyde
Pentane
Petroleum Ether
Phenol (aqueous solution)
Potassium Hydroxide (3N solution)
Silicone Oils
Sodium Carbonate (aqueous solution)
Sodium Chloride (2M solution)
Sodium Dodecyl Sulfate
Sodium Hydroxide (3N solution)
Sodium Hydroxide (concentrated)
Sulfuric Acid (6N solution)
Trichloroacetic Acid (aqueous solution)
Tween 20
Urea (8M solution)
Water (Brine - Sea Water)
Water (de-ionized)