

Chemical Compatibilities

Reels listed in this catalog are based on general purpose hose with synthetic rubber inner tube, oil-resistant synthetic rubber outer jacket, for use with air, water, fuels, oils and gasoline. For materials not listed in the chart below, or listed as incompatible, consult factory.

Rating Codes X - Unacceptable, or not rated 1 - Suitable if in constant contact 2 - OK if only intermittent contact	Low Pressure SBR Hose DA, DB, SA, SB, TL, CL, DC, POL, PAL, PBL			Med. & High Pressure MA, MB, TM, HA, HB, TH, TH, CH	
	SBR Hose	PVC Hose	Swivel	w/ Hose	Swivel
Acetic Acid	X	X	X	X	
Acetone	X	X	X	X	X
Air (less than 212° F)	1	1	1	1	1
Alkaline Solutions	X	X	X	X	X
Alcohol, Butyl	1	X	1	1	1
Alcohol, Methyl	1	X	1	1	1
Alcohol, Propyl	1	1	1	1	1
Ammonia Gas	X	X	1	X	1
Ammonia Anhydrous (Gas or Liquid)	X	X	X	X	X
Ammonium Phosphate Solutions	X	X	X	X	X
Aniline Dyes	X	X	X	X	X
Aniline Oils	X	X	X	X	X
Asphalt	X	X	X	X	X
Benzene (Benzol)	X	X	X	X	X
Gasoline (Benzine)	X	X	1	2	1
Brake Fluid Glycol Base	X	1	X	X	X
Bromine	X	X	X	X	X
Butylene	X	X	X	X	X
Calcium Hypochlorite Solution	X	1	X	X	X
Calcium Salts	X	1	1	X	1
Calcium Hydroxide 10%	X	1	1	1	1
Cabolic Acid (Phenol)	X	X	X	X	X
Carbon Dioxide (Dry)	1	1	1	1	1
Carbon Disulfide	X	X	X	X	X
Carbon Tetrachloride	X	X	X	X	X
Castor Oil	X	1	1	X	1
Anti-Freeze (Ethylene Glycol)	X	1	1	1	1
Dexron Transmission Fluid Type A (GM), 1, 2, 3	X	1	1	1	1
Diesel Fuel	X	X	1	1	1
Di-ester Lubricant (Requires Viton seals and PVC hose)	X	X	X	X	X
Ethers	X	X	X	X	X
Ethyl Chloride	X	X	1	X	1
Formaldehyde	X	X	X	X	X
Fuel Oil ASTM 1 & 2	X	X	1	1	1
Gasoline	X	X	1	2	1
Glycerin (Glycerol)	1	1	1	1	1
Heavy Water	1	1	1	1	1

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	SBR Hose	PVC Hose	Swivel	w/ Hose	Swivel
Heptane	X	X	1	1	1
Hydraulic Fluid (Petroleum Base)	X	1	1	1	1
Hydraulic Fluid (Phosphate Ester Base)	X	X	X	X	X
Hydraulic Fluid (Water-Glycol Base)	2	1	1	1	1
Hydrochloric Acid	X	1	X	X	X
Hydrogen	X	X	X	X	X
Hydrogen Peroxide (30% or less)	X	1	X	X	X
Kerosene	X	X	1	X	1
Ketones	X	X	X	X	X
Lacquers & Solvents	X	X	X	X	X
Linseed Oil	X	1	1	X	1
Lubricating Oils (Petroleum Base)	X	1	1	X	1
Lubricating Oils (Di-ester Base)	X	X	X	X	X
Manganese Sulfate Solution	X	1	X	X	X
Mineral Oil	X	X	1	1	1
Naphtha	X	X	X	X	X
Nitrogen	1	1	1	1	1
Oleic Acid	X	1	X	X	X
Ozone	X	X	X	X	X
Petroleum Oils (Refined)	X	1	1	1	1
Petroleum Oils (Sour)	X	1	1	1	1
Phenol	X	X	X	X	X
Soapy Solutions	1	1	1	1	1
Stoddard Solvent	X	X	1	2	1
Sulfur Dioxide Liquid	X	1	X	X	X
Toluene	X	X	X	X	X
Transmission Fluid (Petroleum)	X	1	1	1	1
Turpentine	X	X	1	2	1
Water (Brine)	1	1	1	2	1
Water (Deionized)	X	X	X	X	X
Water (Distilled)	1	1	1	1	1
Water above 176° F	X	X	X	X	X
Water below 176° F	1	1	1	1	1
Xylene	X	X	X	X	X

General Notes

All tests made at room temperature unless otherwise stated.

Viscosity of fluid may affect reel performance based on flow requirements.

All VPR® reels (except welding reels, EPR) use Nitrile seals.

Some applications may require independent approval of reels for certain applications. Reels do not have these approvals unless otherwise stated in the catalog.