

# Elkay Tubing Compatibility



	PVC	Silicone	Viton
Acetaldehyde	3	1	3
Acetates	3	n/a	n/a
Acetic acid >5%	2	2	1
Acetic acids < 5%	1	1	1
Acetic Anhydride	3	3	3
Acetone	3	2	3
Acetonitrile	3	n/a	3
Acetyl bromide	3	3	3
Acetyl chloride	3	3	3
Air	1	1	1
Alcohols	2	3	3
Aliphatic hydrocarbons	2	2	2
Aluminum chloride	1	3	1
Aluminum sulfate	n/a	1	1
Alums	1	1	1
Ammonia (gas-liquid)	2	2	3
Ammonium acetate	1	1	3
Ammonium carbonate	n/a	2	n/a
Ammonium chloride	1	2	1
Ammonium hydroxide	2	1	2
Ammonium nitrate	1	1	1
Ammonium phosphate	1	1	1
Ammonium salts	1	1	3
Ammonium sulfate	1	1	1
Amyl acetate	3	3	3
Amyl alcohol	2	3	3
Amyl chloride	2	3	2
Aniline	3	3	3
Aniline hydrochloride	3	3	3
Antimony salts	1	1	1
Aqua regia	3	3	3
Arsenic salts	1	1	1
Barium salts	1	1	1
Benzaldehyde	3	3	3
Benzene	2	3	2
Benzenesulfonic acid	2	3	2
Benzoic acid	1	2	1
Benzyl alcohol	2	2	1
Bleaching liquors	2	3	1
Boric acid	1	1	1
Bromine 1	1	3	1
Butane	2	3	1
Butanol	2	3	1
Butyric acid	2	3	n/a
Calcium oxide	n/a	1	n/a
Calcium salts	1	2	1
Carbon dioxide	1	2	3
Carbon bisulfide	3	n/a	1
Carbon tetrachloride	3	3	1
Chlorine (dry)	1	3	1
Chlorine (wet)	2	3	1
Chloroacetic acid	3	3	3
Chlorobenzene	3	3	1
Chloroform	3	3	1
Chlorosulfonic acid	2	3	3
Chromic acid	1	3	1
Chromium salts	1	n/a	n/a
Copper salts	1	1	1
Cresol	3	1	1
Cyclohexane	2	3	1
Cyclohexanone	3	3	3
Essential Oils	2	n/a	n/a
Ethers	3	3	3
Ethyl acetate	3	3	3
Ethyl bromide	3	3	1
Ethyl chloride	3	3	1
Ethylene chlorohydrin	2	2	3
Ethylene glycol	2	1	1

	PVC	Silicone	Viton
Fatty acids	1	3	1
Ferric & ferric salts	2	3	1
Ferric chloride	1	2	1
Ferric sulfate	1	2	1
Ferrous chloride	1	n/a	n/a
Ferrous sulfate	1	2	1
Fluoborate salts	1	n/a	n/a
Fluoboric acid	1	n/a	n/a
Fluosilicic acid	1	n/a	1
Formaldehyde	2	2	2
Formic acid	2	3	3
Freon	3	3	3
Glucose	1	1	1
Glycerine	2	2	3
Hydriodic acid	1	n/a	n/a
Hydro-bromic acid	1	3	1
Hydrochloric acid	1	1	1
Hydrochloric acid (dil.)	1	3	1
Hydrochloric acid (conc.)	1	3	1
Hydrocyanic acid	1	3	1
Hydrofluoric acid	2	3	1
Hydrogen peroxide (dil.)	1	3	1
Hydrogen sulfide	1	3	3
Hydrochlorous acid	1	1	1
Iodine and solutions	1	3	2
Ketones	3	n/a	n/a
Lacquer solvents	3	3	n/a
Lactic acid	1	1	1
Lead acetate	n/a	3	n/a
Lead salts	1	3	1
Linseed oil	3	3	3
Magnesium chloride	1	1	1
Magnesium sulfate	n/a	1	1
Malic acid	1	2	1
Manganese salts	1	1	1
Mercury salts	1	1	1
Methanol	1	1	3
Methyl chloride	3	3	1
Mixed acid	2	3	1
Naphtha	2	3	1
Natural gas	1	1	1
Nickle salts	1	1	1
Nitric acid (dil.)	1	2	1
Nitric acid (med.conc.)	1	3	1
Nitric acid (conc.)	2	3	2
Nitrobenzene	3	1	2
Nitrogen oxides	1	3	3
Nitrous acid	1	n/a	n/a
Oils, vegetable	2	3	1
Oils, mineral	1	3	1
Oleic acid	3	3	3
Oxalic acid	1	2	1
Oxygen (gas)	1	2	2
Perchloric acid	3	3	1
Phenol	2	3	1
Phosphoric acid (50%)	1	3	1
Phthalic acid	1	n/a	n/a
Plating solutions	1	3	1
Potassium hydroxide (med)	1	2	2
Potassium hydroxide (conc.)	1	3	2
Potassium iodide	1	1	1
Potassium salts	1	1	1
Pyridine	3	3	3
Silver nitrate	1	1	1
Soap solutions	1	1	1
Sodium bicarbonate	1	1	1
Sodium bisulfite	n/a	1	1
Sodium borate	n/a	1	1

	PVC	Silicone	Viton
Sodium carbonate	n/a	1	1
Sodium chloride	1	2	1
Sodium hydroxide (dil.)	1	2	1
Sodium hydroxide, 25%	1	3	2
Sodium hydroxide (conc.)	1	2	2
Sodium hypochlorite <5%	2	2	1
Sodium hypochlorite >5%	2	2	2
Sodium salts	1	1	1
Stearic acid	1	2	1
Sulfur chloride	2	3	1
Sulfur dioxide	2	2	2
Sulfur trioxide	2	3	1
Sulfuric acid (dil.)	1	3	1
Sulfuric acid (med.conc.)	1	3	1
Sulfuric acid (conc.)	3	3	2
Sulfurous acid	1	3	1
Tannic acid	1	3	1
Tanning extracts	1	n/a	n/a
Tartaric acid	1	1	1
Tin salts	1	n/a	1
Titanium salts	1	3	1
Toluol	3	3	3
Tri-sodium phosphate	1	1	1
Trichloroacetic acid	2	3	3
Turpentine	2	3	1
Urea	1	1	3
Uric acid	1	1	1
Water, fresh	1	1	1
Water, salt	1	1	1
Xylene	3	3	1
Zinc chloride	1	3	1

<b>Code 1</b>	Recommended
<b>Code 2</b>	Acceptable but evaluation under specific operating conditions is advisable
<b>Code 3</b>	Not recommended

Still not sure?  
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01256 811118

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