

蠕動幫浦管件適用化學品一覽表

V=適用

U=不適用

O=使用之前須實際測試

O+=建議可優先測試

基質溶液 \ 材質	PVC	Solva	Viton	Santoprene	Tygon MH	Silicone
Acetaldehyde	U	O	U	O	U	V
Acetamide, 67% in w.	U	U	U	V	O	V
Acetates(low mol. Wt.)	U	O	U	V	O	O
Acetic acid(<5%)	V	V	U	V	O	V
Acetic acid(>5%)	V	V	U	V	O	O
Acetic acid, Glacial, 100%	U	U	U	V	O	U
Acetic anhydride	O	O	U	O	O	O
Acetone	U	U	U	U	U	V
Acetonitrile	U	U	U	V	O	U
Acetyl bromide	U	O	U	O	U	U
Acetyl chloride	U	O	U	O	U	U
Acetylene Gas	V	V	V	V	U	V
Acrylonitrile	U	U	U	V	O	U
Adipic Acid, 100% in alc	U	O	U	V	O	U
Air	V	V	V	V	V	V
Alcohols	O	O	O	O	V	V
Aliphatic hydrocarbons	O	O+	O	O	U	O
Allyl Alcohol	U	V	V	O	V	U
Aluminum chloride	V	V	V	O	O	O
Aluminum Hydroxide	V	V	V	V	V	V
Aluminum salts	V	V	V	V	V	V
Aluminum sulfate	V	V	V	V	V	V
Alums	V	V	V	O	V	O
Amines	U	U	U	O	U	U
Ammonia gas	O	V	U	V	V	U
Ammonia, Anhydrous Liquid	O	V	U	V	O	U
Ammonium acetate	V	V	U	O	V	O
Ammonium carbonate	V	V	O	O	V	O
Ammonium chloride	V	V	V	O	O	O
Ammonium hydroxide, 5-10% in w.	O	V	U	V	V	U
Ammonium hydroxide, 30% in w.	O	O	U	V	V	U
Ammonium nitrate	V	V	O	O	O	O
Ammonium persulfate	V	V	V	V	V	V
Ammonium phoshpate	V	V	O	O	O	V
Ammonium salts	V	V	V	V	V	V
Ammonium sulfate	V	V	V	V	V	V
Amyl acetate	U	U	U	O	U	U
Amyl alcohol	O	O+	O	O+	V	U
Amyl chloride	O	U	O	O+	U	U
Aniline	O	O	O	O	U	U
Aniline hydrochloride	O	O	O	O+	U	U
Animal oils	U	V	V	V	U	O
Antimony salts	V	V	O	O	V	O

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Aqua regia	U	V	O	U	O	U
Aromatic hydrocarbons	U	U	V	O	U	O
Arsenic acid, 20% in w.	V	V	V	O	V	O
Arsenic salts	V	V	V	V	V	O
ASTM Reference No. 1 Oil	U	V	V	O	U	V
ASTM Reference No. 2 Oil	U	V	V	U	U	V
ASTM Reference No. 3 Oil	U	V	V	U	U	U
Barium carbonate	V	V	V	V	V	V
Barium hydroxide	V	V	V	V	V	V
Barium salts	V	V	V	V	V	V
Beer	V	V	V	V	V	V
Benzaldehyde	U	U	U	O	U	O
Benzene	O	O+	O+	U	U	U
Benzene sulfonic acid	O	O+	O+	O+	U	O
Benzoic acid	O	O+	O	O+	U	O
Benzyl alcohol	O	U	V	V	V	O
Bleaching liquors	V	V	V	V	V	O
Borax, 6% in w.	V	V	V	V	V	V
Boric acid	V	V	V	V	V	V
Brandy	O	V	V	V	V	O
Bromine	O	O	O	U	U	U
Butadiene	V	V	V	V	O	V
Butane	O	O	V	O	O	O
Butanol	V	O	V	O	V	O
Butyl acetate	U	O	U	O	U	O
Butyl alcohol	U	V	V	U	V	U
Butyric acid	U	V	O	V	O	O
Calcium carbonate	V	V	V	V	V	V
Calcium chloride, 30% in w.	V	V	V	V	V	V
Calcium hydroxide, 10% in glycerol	V	U	V	V	V	V
Calcium hypochloride, 20% in w.	V	V	V	V	V	U
Calcium nitrate, 55% in w.	V	V	V	V	V	V
Calcium salts	V	V	V	V	V	O
Calcium sulfate, 0.2% in w.	V	V	V	V	V	V
Carbon dioxide	V	V	V	V	V	O
Carbon bisulfide	U	U	V	O	U	O
Carbon monoxide	V	V	V	V	V	V
Carbon tetrachloride	O	V	V	U	U	U
Carbonic acid	V	V	V	V	V	V
Caster oil	U	V	V	O	O	V
Cellosolve	U	O	U	O	U	U
Cellosolve acetate	U	O	U	O	U	U
Chloracetic acid	O	O+	U	U	O	O+
Chlorbenzene, mono/di/tri	U	U	O+	U	U	O
Chlorine, dry gas	O	V	V	U	U	U

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Chlorine, wet gas	O	V	O	U	U	U
Chloroform	O	U	V	O	U	U
Chlorosulfonic acid	O	O+	U	U	U	U
Chromic acid, 10-20% in w.	V	O	V	V	V	U
Chromic acid, 50% in w.	O	U	V	O	O	U
Chromium salts	V	V	O	V	V	O
Citric acid, 10-20% in w.	V	V	V	V	V	V
Coconut oil	U	V	V	O	O	V
Copper salts	V	V	V	V	V	V
Corn syrup	V	V	V	V	V	V
Cottonseed oil	U	V	V	O	O	V
Cresol(m/o/p)	U	O	V	U	V	V
Cresylic acid	U	O	U	V	U	U
Cupric chloride, 40% in w.	V	V	V	V	O	V
Cupric nitrate, 70% in w.	V	V	V	V	V	V
Cupric sulfate, 13% in w.	V	V	V	V	V	V
Cyclohexane	U	O	V	U	U	U
Cyclohexanone	U	U	V	U	U	U
Detergent solutions	V	V	V	V	V	V
Dibutyl phthalate	O	O	V	V	U	V
Diesel fuel	U	V	V	U	U	U
Diethylamine	V	O	U	V	V	U
Diethylene glycol	V	V	V	V	V	V
Dimethylformamine	U	U	U	V	O	V
Dimethylsulfoxide	U	U	U	V	O	O
Diethyl phthalate	O	O	V	V	O	V
Dioxane	U	O	O+	U	U	U
Essential oils	O	V	O	V	O	O
Ethers	U	O	O	O	U	U
Ethyl acetate	U	U	U	O	U	O
Ethyl alcohol	O	V	O	O	V	O
Ethyl Benzoate	U	O	O+	U	U	U
Ethyl bromide	U	V	V	O	U	O
Ethyl chloride	U	U	O	O	U	U
Ethylamine	U	V	U	O	O	O
Ethylene bromide	U	U	V	U	O	V
Ethylene chlorohydrin	U	O	O+	O	O	U
Ethylene de-chlorode	U	V	V	U	O	U
Ethylene dichloride	U	U	U	O	U	U
Ethylene glycol	V	V	V	V	V	V
Ethylene oxide	V	V	V	V	V	V
Fatty acids	U	V	V	O	O	O
Ferric chloride, 43% in w.	V	V	V	O	V	O
Ferric nitrate, 60% in w.	V	V	V	O	V	O
Ferric sulfate, 5% in w.	V	V	V	V	V	O

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Ferrous chloride, 40% in w.	V	V	V	O	V	O
Ferrous sulfate, 5% in w.	V	V	V	O	V	O
Fluoborate salts	V	V	O	V	O	O
Fluorine gas	U	U	V	U	U	U
Fluoboric acid, 48% in w.	O	V	O	O	O	U
Fluosilicic acid, 25% in w.	V	V	V	O	V	O
Formaldehyde, 37% in w.	O	O	U	O	O	V
Formic acid, 25% in w.	V	V	O	V	V	O+
Formic acid, 40-50% in w.	O	O	O	O	V	O+
Formic acid, 98% in w.	O	O	U	O	O	O+
Freon 11	V	V	O	V	O	V
Freon 12	V	V	O	V	O	V
Freon 13	V	V	O	V	O	V
Fruit juice	V	V	V	V	V	V
Fuel oil	U	V	V	U	U	U
Furfural	U	O	O+	U	U	U
Gallic acid, 17% in acetone	U	O	U	V	U	U
Gasoilne(non-aromatic)	U	O	V	U	U	U
Gasoilne(high aromatic)	U	O	V	U	U	O
Gelatin	V	V	V	V	V	V
Glucose, 50% in w.	V	V	V	V	V	V
Glue	V	V	V	O	V	O
Glycerine	V	V	V	V	V	V
Glycolic acid, 70% in w.	V	V	U	O	V	V
Heptane	U	V	V	U	U	U
Hexane	U	V	V	U	U	U
Hydrazine	U	U	U	O	U	U
Hydriodic acid	V	V	V	O	V	O
Hydrobromic acid, 20-50% in w.	V	V	V	O	V	U
Hydrobromic acid, 100% in w.	O	O	V	O	V	U
Hydrochloric acid(dil.)	V	V	V	V	V	U
Hydrochloric acid(med. conc.)	V	V	V	V	V	U
Hydrochloric acid(conc.)	O	V	V	V	V	U
Hydrocyanic acid	V	V	V	V	V	U
Hydrofluoric acid, 10% in w.	V	V	V	O	V	U
Hydrofluoric acid, 25% in w.	O	V	V	O	V	U
Hydrofluoric acid, 40-48% in w.	O	O	V	O	V	U
Hydrogen gas	V	V	V	V	V	V
Hydrogen peroxide, 3% in w.	V	V	V	V	V	U
Hydrogen peroxide, 10% in w.	V	V	V	V	V	U
Hydrogen peroxide, 30% in w.	O	V	V	V	V	U
Hydrogen peroxide, 90% in w.	U	O	V	O	O	U
Hydrogen sulfide	V	V	O	V	V	U
Hydroquinone, 7% in w.	V	V	V	O	V	O
Hypochlorus acid	V	V	V	V	V	O

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基質溶液 / 材質	PVC	Solva	Viton	Santoprene	Tygon MH	Silicone
Iodine and solutions	V	V	V	U	V	O
Isobutyl alcohol	U	V	V	O	V	U
Isooctane	U	V	V	U	U	U
Isopropyl acetate	U	U	U	V	U	V
Isopropyl alcohol	U	U	V	O	V	U
Isopropyl Ether	U	O	U	O	U	U
Jet fuel, JP8	U	O	V	U	U	U
Kerosene	U	O	V	U	U	U
Ketones	U	O	U	U	O	O
Laquer solvents	U	V	U	V	U	U
Lactic acid, 3-10% in w	O	O	O	V	V	O
Lactic acid, 85% in w	U	O	O	V	O	U
Lard, animal fat	U	V	V	O	O	V
Lead acetate	V	V	V	V	V	V
Lead salts	V	V	V	V	V	V
Lemon oil	U	O	V	U	U	U
Limonene-D	U	O	V	U	U	U
Linoleic acid	U	V	V	O	O	V
Linseed oil	U	V	V	O	O	V
Lubricating oils, petroleum	U	V	V	U	U	V
Magnesium carbonate, 1% in w.	V	V	V	V	V	V
Magnesium chloride	V	V	V	O	V	V
Magnesium hydroxide, 10% indil. acid	V	V	V	V	V	V
Magnesium nitrate, 50% in w.	V	V	V	V	V	V
Magnesium sulfate	V	V	V	V	V	O
Maleic acid, 30% in w.	U	V	V	O	O	O
Malic acid	V	V	V	V	V	V
Manganese salts	V	V	V	V	V	V
Mercuric chloride, 6% in w.	V	V	V	V	V	V
Mercury cyanide, 8% in w.	V	V	V	V	V	V
Mercury	V	V	V	V	V	V
Mercury salts	V	V	V	V	V	O
Methane gas	V	V	V	V	V	V
Methanol	U	V	U	U	O	V
Methyl acetate	U	U	U	V	U	U
Nethyl bromide	U	U	U	O	U	U
Nethyl chloride	U	U	U	O	U	U
Methyl ethyl ketone	U	U	U	U	O	U
Methyl isobutyl ketone	U	U	U	O	O	U
Methylene chloride	U	U	U	O	U	U
Methyl methacrylate	U	U	O	U	U	U
Milk	V	V	V	V	V	V
Mineral oil	O	V	V	U	U	U
Mineral spirits	U	V	V	U	U	U
Mixed acid (40% H2SO4+ 15% HN03)	O	V	V	O	O	O

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基質溶液 / 材質	PVC	Solva	Viton	Santoprene	Tygon MH	Silicone
Molasses	V	V	V	V	V	V
Monoethanolamine	U	U	U	O	U	U
Motor oil	U	V	V	U	U	U
Naphtha	O	V	V	U	U	U
Naphthalene	O	V	V	U	U	U
Natural gas	V	U	V	V	V	V
Nickel chloride, 40% in w.	V	V	V	V	V	V
Nickel nitrate, 75% in w.	V	V	V	V	V	V
Nickel salts	V	V	V	V	V	V
Nickel sulfate, 25% in w.	V	V	V	V	V	V
Nitric acid(dil.)	V	V	V	O	V	O
Nitric acid(med. conc.)	O	V	V	O	V	U
Nitric acid(conc.)	O	V	V	O	O	U
Nitrobenzene	U	U	O	U	U	U
Nitromethane	U	U	O	U	U	U
Nitrous acid	V	V	V	U	O	O
Nitrogen oxides	V	V	O	V	O	O
Oils, animal	U	V	V	O	O	O
Oils, essential	U	O	V	U	U	U
Oils, hydraulic (phosphate ester)	U	V	V	U	U	U
Oils, hydrocarbon	U	V	V	U	U	V
Oils, mineral	U	U	V	V	U	O
Oils, vegetable	O	V	V	O	O	V
Oleic acid	U	V	V	O	O	U
Oleum, 25% in w.	V	V	V	V	V	V
Ortho dichlorobenzene	U	O	O	U	O	U
Oxalic acid	V	V	V	V	V	O
Oxygen(gas)	V	V	O	V	V	V
Ozone, 300ppm	V	V	O	V	V	V
Palmitic acid, 100% in ether	U	V	V	O	O	V
Paraffins	U	V	V	U	U	U
Perchloric acid, 67% in w.	U	V	V	V	O	U
Perchloroethylene	U	U	U	O	U	U
Phenol, 5-10% in w.	O	O	V	O	O	U
Phenol, 90% in w.	U	O	V	O	O	U
Phosphoric acid, <10% in w.	V	V	V	V	V	O
Phosphoric acid, 25% in w.	V	V	V	V	V	O
Phosphoric acid, 85% in w.	V	V	V	V	O	O
Phosphoric acid(ortho)	V	V	V	V	V	O
Phosphoric trichloride acid	O	V	V	V	O	U
Photographic solutions	V	V	V	V	V	O
Phtalic acid	U	O	V	V	O	O
Phthalic anhydride, 9% in alc.	U	U	U	V	V	V
Picric acid, 1% in w.	V	V	V	O	V	U
Plating solutions	O	V	V	V	V	U

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Potassium carbonate, 55% in w.	V	V	V	V	V	V
Potassium chlorate	V	V	V	O	V	O
Potassium cyanide, 33% in w.	V	V	V	V	V	V
Potassium dichromate, 5% in w.	V	V	V	V	V	V
Potassium hydroxide, <10% in w.	O	V	V	V	V	V
Potassium hypochlorite, 70% in w.	V	V	V	V	V	V
Potassium iodine, 56% in w.	V	V	V	V	V	V
Potassium permanganate, 6% in w.	V	V	V	V	V	V
Potassium salts	V	V	V	V	V	V
Propane gas	V	V	V	V	O	O
Propyl alcohol (Propanol)	U	V	V	O	V	U
Propylene glycol	V	V	V	O	O	V
Propylene oxide	V	V	V	O	O	V
Pyridine	U	U	U	O	O	U
Salicylic acid, 1% in w.	V	V	O	V	V	O
Silicone oils	O	V	V	O	O	U
Silver nitrate, 55% in w.	V	V	V	V	V	V
Skydrol 500A	U	V	V	U	U	U
Soap solutions	V	V	V	V	V	V
Sodium acetate, 55% in w.	V	V	V	V	V	V
Sodium benzoate, 22% in w.	V	V	V	V	V	V
Sodium bicarbonate, 7% in w	V	V	V	V	V	V
Sodium bisulfate	V	V	V	V	V	O
Sodium bisulfite	V	V	V	V	V	V
Sodium borate	V	V	V	V	V	V
Sodium carbonate, 7% in w.	V	V	V	V	V	V
Sodium chlorate, 45% in w.	V	V	V	V	V	V
Sodium chloride, 20% in w.	V	V	V	V	V	V
Sodium cyanide, 30% in w.	O	O	V	V	V	O
Sodium fluoride, 3% in w.	V	V	V	V	V	V
Sodium ferrocyanide	V	V	V	V	V	U
Sodium hydrosulfite	V	V	V	O	V	O
Sodium hydroxide(dil.)	V	V	V	O	V	O
Sodium hydroxide(med. conc.)	O	O+	V	O	V	O
Sodium hydroxide(conc.)	O	O+	O	O	O	O
Sodium hypochlorite, 5.5% in w.	V	V	V	V	V	U
Sodium hypochlorite, 12.2% in w.	V	V	V	V	V	U
Sodium nitrate, 3.5% in w.	V	V	V	V	V	V
Sodium salts	V	V	V	V	V	V
Sodium silicate	V	V	V	V	V	U
Sodium sulfate, 3.6% in w.	V	V	V	V	V	O
Sodium sulfide, 13% in w.	V	V	V	V	V	O
Sodium sulfite, 10% in w.	V	V	V	V	V	O
Sodium sulphite	V	V	V	V	V	O
Stannic chloride, 50% in w.	V	V	V	V	V	V

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Stannous chloride, 45% in w.	V	V	V	V	V	V
Stearic acid, 5% in alc.	U	V	V	O	O	O
Styrene monomer	U	U	O	U	U	U
Sulfur chloride	O	V	V	U	V	U
Sulfur dioxide	V	V	V	V	V	V
Sulfur trioxide	O	O	V	O	O	O
Sulfuric acid(dil.)	V	V	V	O	V	U
Sulfuric acid(med. conc.)	O	V	V	O	O	U
Sulfuric acid(conc.)	U	V	V	O	U	U
Sulfurous acid	V	V	V	V	V	U
Tannic acid, 75% in w.	O	V	V	O	O	O
Tanning extracts	V	V	V	V	V	O
Tartaric acid, 56% in w.	V	V	V	V	V	O
Tetrahydrofuran	U	O	O+	O	U	O
Thionyl chloride	V	V	V	V	V	V
Tin salts	V	V	V	V	V	V
Titanium salts	V	V	V	V	V	V
Toluene	U	U	O	U	U	U
Trichloroacetic acid	O	V	O	O	V	O
Trichloroethane	U	O	O+	O	U	U
Trichloroethylene	U	O	O+	O	U	U
Trichloropropane	U	O	O+	O	U	U
Triethanolamine	U	O	O+	O	U	U
Tricresyl phosphate	U	O	V	V	V	O
Trisodium phosphate	V	V	V	O	V	O
Turpentine	O	O	V	U	U	U
Urea, 20% in w.	V	V	V	V	V	V
Uric acid	O	V	V	V	V	U
Vinegar	O	V	V	O	O	U
Vinyl acetate	U	O	O+	O+	U	U
Water	V	V	V	V	V	V
Water(brine)	V	V	V	V	V	V
Whiskey	O	V	V	O	V	O
Wines	O	V	V	O	V	O
Xylene	U	U	V	U	U	U
Zinc chloride	V	V	V	V	V	V
Zinc salts	V	V	V	V	V	V

以上若有任何問題，請來電或電郵 harry@xuan-chen.com !!



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