



	Plastics					Elastomers			Metals			Mech seals		
	Ryton (FRP)**	Polyester (FRP)**	Polypropylene (FRP)**	Nonyl (FRP)**	HALAR	Buna-N	EPDM	Viton	Hastelloy C	Titanium	316 Stainless Steel	Carbon	Ceramic	Siliconized Graphite
A - Recommended C - Not recommended X - Insufficient data F - Consult factory														
CHEMICAL														
ACETALDEHYDE	A	A	C	X	A	C	A	C	A	A	A	A	A	A
ACETIC ACID, 20%	A	A	A	A	A	A	A	C	A	A	A	A	A	A
ACETIC ACID, 50%	A	C	X	A	A	A	A	C	A	A	A	A	A	A
ACETIC ACID, Glacial	A	C	X	A	A	C	A	C	A	A	A	A	A	A
ACETIC ANHYDRIDE	A	C	A	C	A*	C	A	C	A	A	A	A	A	A
ACETONE	A	C	A	X	A	C	A	C	A	A	A	A	A	A
ALCOHOL, AMYL	A	A*	C	A	A	A	A	A	A	A	A	A	A	A
ALCOHOL, ETHYL	A	A	A	A	A	A	A	A	A	X	A	A	A	A
ALCOHOL, ISOPROPYL	A	C	A	A	A	C	A	A	A	A	A	A	A	A
ALCOHOL, METHYL	A	A	A	X	A*	A	A	C	A	A	A	A	A	A
ALCOHOL, PROPYL	A	A	A	A	A	A	A	A	A	A	A	A	A	A
ALUMINIUM CHLORIDE	A	C	A	A	A	A	A	A	A	C	C	A	A	A
ALUMINIUM FLUORIDE	A	C	X	A	A	A	A	A	A	C	C	A	X	A
ALUMINIUM SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
AMMONIA 30% COLD	A	C	A	A	A	A	A	C	A	A	A	A	A	A
AMMONIUM CHLORIDE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
AMMONIUM HYDROXIDE "NOTE 1"	A	C	A	A	A	C	A	C	A*	A	A*	A	A	A
AMMONIUM NITRATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
AMMONIUM PERSULFATE	A	A	X	A	A	C	A	A	A	X	A*	A	A	A
AMMONIUM PHOSPHATE	A	A	X	A	A	A	A	A	A	A	A	A	A	A
AMMONIUM SULFATE	A	A	A	A	A	A	A	C	A	A	A*	A	A	A
AMYL ACETATE	A	A	C	C	A	C	A	C	A	A	A	A	A	A
AMYL CHLORIDE	A	A	X	C	A	X	X	A	A	X	A*	A	A	A
ANILINE	A	C	C	C	A*	C	A	C	A	A	A	A	A	A
AQUA REGIA	X	C	X	C	A	C	X	A*	A	A	C	C	A	C
ARSENIC ACID	A	C	A	A	A	A	A	A	X	X	A	A	A	A
BARIUM CHLORIDE	A	A	A	A	A	A	A	A	A	A	A*	A	A	A
BARIUM SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
BEER	A	A	X	A	A	C	A	A	A	A	A	A	A	A
BENZALDEHYDE	C	A	A	C	A*	C	A	C	A	A	A	A	A	A
BENZENE (BENZOL)	A*	A*	C	C	A	C	C	A	A	A	A	A	A	A
BENZOIC ACID	A	A	A	A	A	C	X	A	A	A*	A	A	A	A

	Plastics					Elastomers			Metals			Mech seals		
	Ryton (FRP)**	Polyester (FRP)**	Polypropylene (FRP)**	Noryl (FRP)**	HALAR	Buna-N	EPDM	Viton	Hastelloy C	Titanium	316 Stainless Steel	Carbon	Ceramic	Siliconized Graphite
A - Recommended C - Not recommended X - Insufficient data F - Consult factory														
BORAX (SODIUM BORATE)	A	A	A	A	A	A	A	A	A	X	A	A	A	A
BORIC ACID	A	A	X	A	A	A	A	A	A	A	A	X	A	A
BROMINE WATER	C	C	C	A	A	C	C	A	A	A	C	C	A	A
BUTYL ACETATE	A	A	A	C	A	X	A	C	A	X	A	A	A	A
BUTYRIC ACID	A*	C	X	A	A	C	A	A	A	A*	A	A	A	A
CALCIUM BISULFITE	A	C	X	A	A	A	C	A	A	A*	A	A	A	A
CALCIUM CHLORIDE	A	A	A	A	A	A	A	A	A	A	A*	A	A	A
CALCIUM HYPOCHLORITE 20%	A	A	X	A	A	A	A	A	A	A	A*	A	A	A
CALCIUM SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
CARBON TETRACHLORIDE	A*	A*	C	C	A	C	C	A	A	A	A	A	A	A
CARBONIC ACID	A	A	A	A	A	A	A	A	A	X	A	A	A	A
CHLOROACETIC ACID	A	C	X	C	A	C	A	C	A	A	C	A	A	A
CHLORINE WATER	C	C	X	A	A	C	A	A	A	A	C	A	A	A
CHLOROBENZENE	A	C	C	C	A	C	C	A	A	X	A	A	A	A
CHLOROFORM (WET)	A	A*	A	C	A	C	C	A	A	A	A	A	A	A
CHLOROSULFONIC ACID	C	C	A	X	A*	C	C	C	A	A	C	C	A	A
CHROMIC ACID 10%	A	C	A	A	A	C	C	A	A	A	A	A*	A	A
CHROMIC ACID, 50%	A*	C	A	C	A	C	C	A	A	A	C	A*	A	A
CHROMIC ACID, 80%	A*	C	A	C	A	C	C	A	A	A	C	A*	A	A
CITRIC ACID	A	A	A	A	A	C	A	A	A	A	A	A	A	A
COPPER CHLORIDE	A	C	A	A	A	A	A	A	A	A	C	A*	A	A
COPPER CYANIDE	A	C	A	A	A	A	A	A	A	A	A	A	A	A
COPPER NITRATE	A	A	A	A	A	A	X	A	A	A	A	A	A	A
COPPER SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
CRESYLIC ACID	X	A	C	X	A	A	C	A	A	A	A	A	A	A
ETHYL ACETATE	A	A	A*	C	A	X	A	C	A	X	A	A	A	A
ETHYL CHLORIDE	A	C	C	C	A	A	A	A	A	A	A	A	A	A
ETHYLENE GLYCOL	A	A	A	A	A	A	A	A	A	X	A	A	A	A
FATTY ACIDS	X	A	A	A	A	A	C	A	A	A	A	A	A	A
FERRIC CHLORIDE	A	C	A	A	A	A	A	A	A*	A	C	C	A	A
FERRIC NITRATE	A	A*	A	A	A	A	A	A	A	A	A	A	A	A
FERRIC SULFATE	A	A*	A	A	A	A	A	A	A	A	A	A	A	A
FERROUS CHLORIDE	A	A	A	A	A	X	A	A	A	A	C	A	A	A
FERROUS SULFATE	A	A	A	A	A	X	A	A	A	A	A	A	A	A
FLUBORIC ACID	A	A*	A	A	A	A	A	A	A	C	A	A	A	A
FLUOSILICIC ACID	A	X	A	A	A	A	A	A	A	C	A*	A	C	A
FORMALDEHYDE, 40%	A	A	A	A	A	A	A	A	A	A	A	A	A	A
FORMIC ACID	A	C	A	A	A	A*	A*	C	A	A	C	A	A	A
FREON 11 (REFR.) (MF)	A*	A*	C	C	A	A*	C	A*	X	X	C	A	A	A
FREON 12 (WET)	A*	A	A	C	A	A	A*	A*	X	X	C	A	A	A

	Plastics					Elastomers			Metals			Mech seals		
	Ryton (FRP)**	Polyester (FRP)**	Polypropylene (FRP)**	Noryl (FRP)**	HALAR	Buna-N	EPDM	Viton	Hastelloy C	Titanium	316 Stainless Steel	Carbon	Ceramic	Siliconized Graphite
A - Recommended C - Not recommended X - Insufficient data F - Consult factory														
NICKEL SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
NITRIC ACID, 10%	A	A*	A	A	A	C	A	A	A	A	A	A*	A	A
NITRIC ACID, 20%	A	C	A	A	A	C	A	A	A	A	A	A*	A	A
NITRIC ACID, 40%	A*	C	A*	C	A	C	C	A	A	A	A	C	A	A
NITRIC ACID, ANHYDR.	C	C	C	C	A	C	C	C	A	A	A*	C	A	C
NITRO BENZENE	A	A	A	C	A	C	C	C	A	A	A	A	A	A
OIL AND FATS	A	A	A	C	A	A	C	A	A	A	A	A	A	A
OLEIC ACID	A	A	A*	A	A	A	C	A*	A	X	A	A	A	A
OLEUM	A*	C	C	C	A	C	C	A	A	X	A	A	A	A
OXALIC ACID	A	C	A	A	A	A*	A	A	A	A*	A*	A	A	A
PERCHLOROETHYLENE	A*	A*	C	C	A	C	C	A	A	A	A	A	A	A
PHENOL	A	C	A	C	A	C	C	A	A	A	A	A	A	A
PHOSPHORIC ACID, 0-80%	A	A*	A	A	A	A*	A	A	A	A*	A	A	A	A
PHOSPHORIC ACID, 80 - 100%	A	A*	A	A	A	C	A	A	A	A*	A	A	A	A
POTASSIUM BICARBONATE	X	A	A	A	A	A	X	A	A	A	A	A	A	A
POTASSIUM BROMIDE	A	A	A	A	A	A	X	A	A	A	A	A	A	A
POTASSIUM CARBONATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
POTASSIUM CHLORATE	A	A	A	A	A	A	A	A	X	A	A	A	A	A
POTASSIUM CHLORIDE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
POTASSIUM CYANIDE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
POTASSIUM DICHROMATE	A	C	A	A	A	A	A	A	A	A	A	C	A	A*
POTASSIUM HYDROXIDE	A	C	A	A	A	A	A	C	A	A*	A	X	A	A
POTASSIUM NITRATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
POTASSIUM PERMANGANATE	A	C	A	A	A	A	X	A	A	A	A	A	A	A
POTASSIUM SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SOAPS (NEUTRAL)	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM ACETATE	A	A	A	A	A	C	A	C	A	A	A	A	A	A
SOLIUM BICARBONATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM BISULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM BISULFITE	X	A	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM CARBONATE, 10%	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM CHLORATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM CHLORIDE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM CYANIDE	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SODIUM HYDROXIDE, 20%	A	C	A	A	A	A*	A	C	A	A	A	A	C	A
SODIUM HYDROXIDE, 50%	A	C	A	A	A	A*	A	C	A	A	A	A	C	A
SODIUM HYPOCHLORITE	A	C	A*	A	A	C	A	A*	A	A	C	C	C	A
SODIUM NITRATE	A	A	A	A	A	A*	A	A	A	A	A	A	A	A
SODIUM SILICATE	A	A	A	A	A	A	A	A	A	X	A	A	A	A
SODIUM SULFATE	A	A	A	A	A	A	A	A	A	X	A	A	A	A

	Plastics					Elastomers			Metals			Mech seals		
	Ryton (FRP)**	Polyester (FRP)**	Polypropylene (FRP)**	Noryl (FRP)**	HALAR	Buna-N	EPDM	Viton	Hastelloy C	Titanium	316 Stainless Steel	Carbon	Ceramic	Siliconized Graphite
SODIUM SULFIDE	A	A	A	A	A	C	A	A	A	A	A	A	A	A
STANNIC CHLORIDE	A	C	A	A	A	A	A*	A	A	A	C	A	A	A
STEARIC ACID	X	A*	A*	X	A	A	A	A	A	A	A	A	A	A
STODDARDS SOLVENT	A	A	X	C	A	A	C	A	A	A	A	A	X	A
SULFURIC ACID 0-29%	A	A*	A	A	A	C	A*	A	A	A*	A*	A	A	A
SULFURIC ACID 30-90%	A*	C	A	A	A	C	C	A	A	C	C	A	A	A
SULFURIC ACID 91-100%	A*	C	A	A	A	C	C	A*	A	C	F	X	A	A*
TANNIC ACID	A	C	A	X	A	C	A	A	A	A	A	A	A	A
TANNING LIQUORS	X	X	A	X	A	A	A	A	A	A	A	A	A	A
TARTARIC ACID	A	A	A	A	A	C	A	A	A	A	A	A	A	A
TETRACHLOROETHANE	X	C	C	C	X	C	C	A	A	A*	A	A	A	A
TETRAHYDROFURANE	A	A*	A	C	C	C	C	C	A	X	A	A	A	A
TOLUENE (TOLUOL)	A	C	A	C	A	C	C	A	A	A	A	A	A	A
(1,1,1) TRICHLOROETHANE	A	C	A	C	X	C	C	A	A	A	A	A	A	A
TRICHLOROETHYLENE	A	C	A	C	A	C	C	A	A	A	A	A	A	A
TRICRESYLPHOSPHATE	X	X	X	X	C	C	A	A	A	X	A	A	A	A
TURPENTINE	A	A	C	X	A	A	C	A	A	X	A	A	A	A
UREA	A	C	A	A	A	C	A	A	A	A	A	A	A	A
VINEGAR	A	A	A	A	A	C	A	C	A	A	A	A	A	A
WHITE LIQUOR (ACID)	X	X	X	A	A	A	X	A	A	X	A	X	A	A
XYLENE (SYLLOL)	A	C	C	C	A	C	C	A	A	X	A	A	A	A
ZINC CHLORIDE	A	A	A	A	A	A	A	A	A	A	C	A	A	A
ZINC SULFATE	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Consult the factory for chemical applications involving temperatures greater than 80°F.

NOTE: The following Chemical Compatibility Chart is only to be used as a guide to selecting the proper pump for your specific application.

To the best of our knowledge, the information contained herein is correct. However, we do not assume any liability whatsoever for the accuracy or inaccuracy, or the completeness, or incompleteness, of the information contained herein. Final determination of the suitability of any information or material for the use intended, or the manner of use, is the sole responsibility of the user. Pumps cannot be used to pump AAAF.

NOTE: Materials of construction listed for various parts or pumps are those which are available. Materials listed are not necessarily standard.