

Chemical Suitability Chart

E Series Electronic Metering Pump

Water Treatment / Conditioning

This information is offered as a guide to create a basis of recommendation. It is impossible to take into consideration the unlimited variations in physical properties that can affect a material's chemical resistance. Materials should be tested under actual service conditions to determine suitability for a particular application. Note: Most standard pumps are supplied with LLDPE tubing that is compatible with many chemicals, but not all. Ensure chemical compatibility with the tubing before use. Please visit www.walchem.com or consult factory for suitability ratings on any materials that do not appear in this bulletin.

Common Chemical	Recommended Liquid End Material	Alternate Material	Common Chemical	Recommended Liquid End Material	Alternate Material
Acetic Acid	FC	SH	Hydrochloric acid (muriatic acid)	VC	TC, VE
Alcohol, isopropyl	PE	VE	Hydrogen peroxide (50%)	VC	PC
Alcohol, methyl	PE	VE	Hydrofluosilicic Acid	VF	
Alum (aluminum sulfate)	PC, PE	VC, VE	Isothiazolin	PC	TC, FC
Aluminum chloride	PC, PE	VC, VE	Lime (calcium hydroxide)	PE	VE
Aluminum sulfate (alum)	PC, PE	VC, VE	Methanol	PE	VE
Amines	PE	FC, SH	Muriatic Acid (Hydrochloric acid)	VC	TC, VE
Ammonia	PE	VE	Nitric acid (68%)	TC	FC
Calcium carbonate	PC, PE	VC, VE	Phosphoric acid (50%)	VC	PC
Calcium chloride	PC, PE	VC, VE	Potassium hydroxide	PE	FC
Calcium hydroxide (lime)	PE	VE	Potassium permanganate	VC	FC, TC
Calcium hypochlorite	VC	VE	Soda ash (sodium carbonate)	PC, VC	VE
Caustic soda (sodium hydroxide)	VE	PE, FC	Sodium bicarbonate	PC	VC
Chlorine bleach (sodium hypochlorite)	VC	TC	Sodium bisulfite/bisulfate	PC	VC
Chromic acid (50%)	TC	FC	Sodium carbonate (Soda ash)	PC, VC	VE
			Sodium fluoride	VF	
Ethylene glycol	PE	S4	Sodium hexametaphosphate	PC	VC
Ferric sulfate	PC	VC	Sodium hydroxide (caustic soda)	VE	PE, FC
Ferric chloride	VC	VE	Sodium hypochlorite (chlorine bleach)	VC	TC
Formaldehyde (>=40%)	PC	VC	Sodium silicate (dilute)	PC	PE
Glutaraldehyde	FC		Sulfuric acid	FC, TC	VM

**UNDER NO CIRCUMSTANCES IS THE INFORMATION CONTAINED
HEREIN TO BE CONSTRUED AS A GUARANTEE.**