

SERVICE RECOMMENDATIONS

Fluid	Body Material/Lining	Diaphragm Grade	Notes
Methanol/Water Mixture	PP DI,CI,AL,GL,SS	B 0,300,W,325	Sealed bonnet available. Butyl O-ring seal. Fluorocarbon seal.
Methyl Acetate	DI AL,SS	214P* 237.B	
Methyl Alcohol, TLV 200 ppm	GL SS,ECTFE,ETFE,PVDF,PP	B W,Q,BL,325,214P*	Sealed bonnet available. Nitrile O-ring seal. All iron and steel sealed bonnet advised. Fluorocarbon seal.
Methylamine, TLV 10 ppm	DI CI,PP,AL,HRL,GL	B 214P*,Q,HT,325	
Methylated Spirits	PP DI,CI,BR,SS,HRL,GL	W B,Q,325,300	Sealed bonnet available. Viton O-ring seal.
Methyl Bromide, TLV 20 ppm	ETFE ECTFE,BR,SS,CI,GL	214P*	
Methyl Chloride, TLV 100 ppm	ETFE ECTFE,GL,CI	214P*	Sealed bonnet available. Viton O-ring seal.
Methylene Chloride, TLV 500 ppm	ETFE SS,CI,GL	P5/P3 214P*,226	
Methyl Ethyl Ketone, TLV 200 ppm	AL SS,ETFE,BR,GL	214P* B	Internally polished valves available.
Methyl Isobutyl Ketone, TLV 100 ppm	AL SS,ETFE,GL	214P* B	
Methyl Methacrylate Monomer	SS AL,GL,ETFE,PP	215(F) 214P*.B	Internally polished valves available.
Milk	SS PP,GL,BR	215(F) W,Q,300	
Milk of Magnesia	GL PP,ECTFE,HRL,ETFE	O B,325,W,214P*	Internally polished valves available.
Mineral Oil	C DI,CS,AL,BR,ETFE	226 C,214P*	
Mineral Waters	SS PP,BR,GL	300 215(F),W	Internally polished valves available.
Molasses	CI SS,PP,BR	300 Q,214P*	
Monochloroacetic Acid	PFA ETFE,GL	P2	Sealed bonnet available. Viton O-ring seal.
Monchlorobenzene, TLV 75 ppm	CI AL,GL,SS	214P*	
Monoethanolamine, TLV 3 ppm	DI CI,AL,HRL,SS	B 300,325	Sealed bonnet available. Fluorocarbon seal. Internally polished valves available.
Monsodium Glutamate	SS HRL,ETFE		
Morphine	SS GL,ETFE	214P* B	Internally polished valves available.
Morpholine, TLV 20 ppm	PVDF AL,CI,BR,SS	214P* B	
Mortar & Cement	SRL CI	O	Internally polished valves available.
Mustard	SS ETFE,BR	W Q,214P*	
Naphtha	DI CS,AL,PVDF,CI,BR,ETFE	226 C,214P*	Sealed bonnet available. Viton O-ring seal.
Naphthalene, TLV 10 ppm	DI CS,AL,PVDF,CI,BR,ETFE	226 214P*	
Naphthenic Acid	DI CI,ETFE,AL,SS	C 214P*	Sealed bonnet. Nitrile seal, optional.
Natural Gas	C DI,BR,AL	C HT	
Nickel Acetate, TLV 1 mg/M ³	BL PP,ECTFE,HRL,SS,GL,ETFE	B 237,325,214P*	Sealed bonnet available. Viton O-ring seal.
Nickel Chloride, TLV 1 mg/M ³	BL PP,ECTFE,HRL,SS,GL,ETFE	B 237,325,214P*	
Nickel Plating Solutions, TLV 1 mg/M ³	BL PP,ECTFE,HRL,GL,ETFE	B 237,325,214P*	Sealed bonnet available. Viton O-ring seal.
Nickel Plating Sludge, TLV 1 mg/M ³	BL PP,SRL,GL,ECTFE,ETFE	B 237,325,214P*	
Nickel Sulphate, TLV 1 mg/M ³	BL PP,ECTFE,HRL,SS,GL,ETFE	B 237,325,214P*	Sealed bonnet available. Nitrile O-ring seal. Use SS fastenings.
Nickel Sulphide	BL PP,ECTFE,HRL,GL,SS	B 237	
Nitric Acid	SS PFA,ETFE,GL,PVDF	214P* 226.B	(1) SS to ASTM A296 CF8C (2) All-SS bonnet assemblies available to special order (3) Use SS fastenings.
Nitric Acid/Hydrofluoric Acid Mixture	PP ETFE,BL	214P* B	Sealed bonnet FEP O-ring.
Nitrobenzene, TLV 1 ppm	GL DI,CS,PFA,CI,SS	214P*	
Nitrogen	CI AL,PP,BR,ETFE	B 300,325,HT,214P*	Explosive. Vent hole in bonnet.
Nitroglycerine, TLV 0.2 ppm	BL SS,GL,PFA,HRL	226 300.B	
Nitrosyl Sulphuric Acid	PFA GL,CS	214P*	Sealed bonnet available. Nitrile O-ring seal. Use SS fastenings.
Nitrous Oxide (Dry)	SS ETFE,BR	B HT,O	
Nylon Salt	SS GL,ETFE	214P*	Sealed bonnet advised. Viton O-ring seal. CS only useable at low fluid velocities <0.6 m/sec.
Oleic Acid	AL ETFE,ECTFE,BR,SS,GL,PVDF	226 214P*	
Olein	CI ETFE,BR,AL,SS	214P* HT,226	Internally polished valves available. Sealed bonnet available. Viton O-ring seal.
Oleum	PFA GL,ETFE,CS,SS,CI	P5/P3 P1	
Olive Oil	SS AL,ETFE,CI,PVDF	C 226,214P*.B	Sealed bonnet available. Viton O-ring seal.
Ortho Dichlorobenzene, TLV 50 ppm	DI AL,GL,CI,BR,SS	214P* 226	
Oxalic Acid	PP HRL,SS,BR,GL,ETFE	B Q,214P*	Valves should be degreased and regreased with oxygen-resistant lubricant. Stress valves to minimum permissible. Sealed bonnet advised. Viton O-ring seal.
Oxygen	AL C,DI,BR,ETFE,PVDF,PP	HT 226.B,325,214P*	
Ozone, TLV 0.1 ppm	AL CI,DI,BR,ETFE	237 226.B,P2,P3,P4	
Paint	DI CI,AL,BR,SS,ETFE	214P* 226	Internally polished valves available.
Palm Kernel Oil	CI AL,SS,ETFE	C 226,214P*.B	
Palm Oil	CI AL,SS,ETFE	C 226,214P*.B	Internally polished valves available.
Palmitic Acid	AL ETFE,ECTFE,SS,GL	C 226,214P*	
Paper Pulp	PP HRL,ECTFE,BR,CI,ETFE	O B,325,214P*	Internally polished valves available.
Paper Stock	PP HRL,ECTFE,BR,CI	O B,325	
Paraffin	DI BR,C,AL	226 C	Internally polished valves available.
Paraffin, Medicinal	DI SS,ECTFE,BR,GL	C 226,HT	
Paraffin Wax	DI SS,ECTFE,BR,AL,CI,GL	C 226,CF,HT	