



"A leading worldwide supplier of high efficiency filters for a variety of industries and applications."

CHEMICAL COMPATIBILITY CHART

SECTION I – LIQUIDS – PAGES 1- 10

SECTION II – GASES – PAGES 11-12

KEY TO ABBREVIATION

COMPATIBILITY RATINGS

+	Resistant
0	Conditionally Resistant
-	Unsatisfactory
N	No Data Available

MATERIALS

U.P.V.C	Unplasticised Polyvinyl Chloride
S.A.N	Styrene Acrylonitrile
304SS	Includes all non 316 Stainless Steel
316SS	316 Stainless Steel
EPR	Ethylene Propylene Rubber
PTFE	Polytetrafluroethylene

CONCENTRATIONS

T.P.	Technical Purity
U.C.	Usual Commercial Concentration
10% aq	10% Aqueous Solution
SAT.	Saturated Aqueous Solution
ALL	All Concentrations

CAUTIONARY NOTE

The information in this guide has been derived from various sources and comparison with chemicals of similar composition. The suitability of any material will depend on many factors including contact time, temperature and minor solution components. The compatibility ratings are therefore intended as a general guide only. Users should test under their own operating conditions to establish the suitability of any given system.

CHEMICAL COMPATIBILITY CHART

CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP (°C)	FILTER TUBE			HOUSING MATERIAL										SEAL MATERIAL			
				Epoxy	S Type	C & K Type	UPVC	Polypropylene	S.A.N.	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Viton A	Silicone	EPR
Acetaldehyde	CH3 CH0	T.P	20	0	0	-	-	0	-	-	+	-	+	+	+	+	-	-	+	+
Acetaldehyde aq.	CH3 CH0	40%	60	+	-	-	0	0	-	-	+	-	+	+	+	+	-	0	+	+
Acetic Acid	CH3 C00H	Glacial	20	-	0	+	0	+	-	-	-	+	+	+	+	-	-	-	+	+
Acetic Acid	CH3 C00H	Glacial	60	-	0	0	-	0	-	-	-	+	+	+	+	-	-	-	0	+
Acetic Acid aq.	CH3 C00H	10%	20	+	+	+	+	+	+	+	-	+	+	+	+	-	-	-	+	0
Acetic Acid aq.	CH3 C00H	10%	60	+	+	+	0	+	0	-	-	+	+	+	+	-	-	-	+	0
Acetid Anhydride	CH3C00.C0CH3	T.P	20	0	-	+	-	+	-	-	-	+	0	+	+	-	-	-	0	-
Acetid Anhydride	CH3C00.C0CH3	T.P	60	-	-	0	-	-	-	-	0	-	+	+	-	-	-	-	0	-
Acetone	CH3 C0CH3	T.P	20	0	+	0	-	+	-	0	+	0	+	+	+	-	-	-	-	+
Acetone	CH3 C0CH3	T.P	60	-	+	-	-	0	-	-	+	-	+	+	+	+	-	-	-	+
Acrylonitrile	CH2-CHCN	T.P	60	0	-	+	-	+	-	-	-	+	+	+	+	N	-	+	-	0
Aluminum Chloride aq.	A1 C13	10%	60	+	-	+	+	+	+	+	+	+	-	-	-	-	+	+	+	+
Aluminum Chloride aq.	A1 C13	Sat.	60	+	-	+	+	+	0	+	+	-	-	-	-	-	+	+	+	+
Aluminum Chloride aq.	A1 C13	Sat.	100	0	-	+	-	0	-	-	+	+	-	-	-	-	+	+	+	+
Aluminum Sulphate aq.	A12 (S04) 3	10%	60	+	-	+	+	+	+	+	+	+	+	-	-	-	+	+	+	+
Aluminum Sulphate aq.	A12 (S04) 3	Sat.	60	+	-	+	+	+	+	+	+	0	+	-	-	-	+	+	+	+
Aluminum Sulphate aq.	A12 (S04) 3	Sat.	100	0	0	+	-	0	-	+	+	-	-	-	-	-	+	+	+	+
Ammonia aq.	NH4 0H	10%	20	+	+	+	+	+	+	N	+	+	+	+	+	-	+	0	+	+
Ammonia aq.	NH4 0H	Sat.	60	+	-	+	0	+	+	-	N	+	+	+	+	-	+	0	+	+
Ammonia aq.	NH4 0H	Sat.	100	-	-	0	-	0	-	-	N	+	+	+	+	-	0	-	+	0
Ammonium Acetate aq.	CH2 C00NH4	All	60	+	-	+	0	+	+	+	N	+	+	+	+	+	+	+	N	+
Ammonium Carbonate aq.	(NH4) 2 C03	All	60	+	-	+	0	+	+	0	N	+	+	+	+	0	-	+	+	+
Ammonium Chloride aq.	NH4 C1	10%	60	+	+	+	0	+	+	+	+	+	-	+	+	-	+	+	+	+
Ammonium Chloride aq.	NH4 C1	Sat.	60	+	+	+	+	+	+	+	+	+	-	0	+	-	+	+	+	+
Ammonium Chloride aq.	NH4 C1	Sat.	100	-	-	+	-	0	-	-	+	+	-	-	+	-	+	+	+	+
Ammonium Fluoride aq.	NH4 F	20%	20	-	-	+	+	+	N	N	N	+	-	-	+	-	+	+	+	+
Ammonium Fluoride aq.	NH4 F	20%	60	-	-	0	0	+	N	N	N	+	-	-	+	-	+	+	+	+
Ammonium Fluoride aq.	NH4 F	20%	100	-	-	+	-	-	-	-	N	+	-	-	+	-	+	-	+	-
Ammonium Nitrate	NH4 N03	10%	60	+	+	+	+	+	+	-	+	+	+	+	+	-	+	+	+	+
Ammonium Nitrate	NH4 N03	Sat.	60	+	+	+	+	+	+	-	+	+	+	+	+	-	+	+	+	+
Ammonium Nitrate	NH4 N03	Sat.	100	0	-	+	-	0	-	-	-	+	+	+	+	-	-	+	+	+
Ammonium Phosphate aq.	(NH4) 3 P04	All	60	+	+	+	+	+	+	+	N	+	+	+	-	-	+	+	+	+
Ammonium Sulphate aq.	(NH4) 2 S04	10%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ammonium Sulphate aq.	(NH4) 2 S04	Sat.	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ammonium Sulphate aq.	(NH4) S04	Sat.	160	0	-	+	-	0	-	-	N	+	+	+	+	+	+	+	+	+
Ammonium Sulphide aq.	(NH4) 2 S	All	60	+	-	+	0	+	0	0	N	+	+	+	+	-	+	-	+	+
Ammonium Sulphide aq.	(NH4) 2 S	All	100	-	-	+	-	-	-	-	N	+	+	+	+	-	-	-	+	+
Anyl Acetate	CH3 C00C5H11	T.P	20	0	-	+	-	0	-	-	+	+	+	+	+	-	-	-	-	0
Anyl Alcohol	C5 H11 0H	T.P	60	0	-	+	0	+	N	-	N	+	+	+	0	+	+	+	-	+
Anyl Chloride	C5 H11 C1	T.P	60	0	-	+	-	0	N	-	N	+	+	+	N	N	N	+	-	-
Aniline	C6 H5 NH2	T.P	20	+	0	+	-	+	-	-	0	+	+	+	+	-	-	0	-	+
Aniline	C6 H5 NH2	T.P	60	0	0	0	-	+	-	-	-	0	+	-	-	-	-	0	-	+
Aniline aq.	C6 H5 NH2	Sat.	20	+	-	+	-	0	N	-	-	+	+	+	+	-	0	-	-	+
Aniline aq.	C6 H5 NH2	Sat.	60	+	0	0	-	0	N	-	-	0	+	+	0	-	-	-	-	+

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CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP (°C)	FILTER TUBE			HOUSING MATERIAL								SEAL MATERIAL					
				Epoxy	S Type	C & K Type	UPVC	Polypropylene	S.A.N.	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Viton A	Silicone	EPR
Aniline Hydrochloride aq.	C6 H5 NH2 HC1	Sat.	20	+	0	+	0	0	N	-	N	+	+	+	-	-	0	0	0	+
Aniline Hydrochloride aq.	C6 H5 NH2 HC1	Sat.	100	-	-	0	-	-	-	-	N	0	+	+	-	-	-	0	-	+
Antimony Chloride aq.	SbC13	90%	20	+	0	+	+	+	+	N	-	+	0	+	-	-	+	+	N	+
Aqua Regia	HC1/HN03	U.C	20	-	-	0	0	-	-	-	-	+	-	-	-	-	-	0	-	-
Barium Hydroxide aq.	Ba(OH)2	All	60	+	0	+	+	+	N	+	+	+	+	+	-	N	+	+	+	+
Barium Salts aq.		All	60	+	0	+	+	+	N	+	+	+	-	-	0	N	+	+	+	+
Beer		U.C	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Benzaldehyde	C6 H5 CH0	T.P	60	0	0	-	-	-	N	-	0	0	+	+	+	+	-	-	-	+
Benzene	C6 H6	T.P	20	+	0	+	-	-	-	-	+	+	+	+	+	+	0	+	-	-
Benzoic Acid	C6 H5 C00H	All	20	+	0	+	+	+	+	-	0	+	+	+	+	+	+	+	0	+
Benzoic Acid aq.	C6 H5 C00H	All	60	+	-	+	0	+	+	-	-	+	+	+	+	+	+	+	-	+
Benzoic Acid aq.	C6 H5 C00H	All	100	-	-	0	0	0	0	-	0	+	+	+	+	+	+	+	-	0
Benzyl Alcohol	C6 H5 CH20H	T.P	60	+	-	+	0	0	N	0	N	+	+	+	0	+	0	+	-	0
Boric Acid	H3 B02	All	60	+	+	+	0	+	N	0	+	+	+	+	+	+	+	+	+	+
Bromine Liquid	Br2	100%	20	-	-	+	-	-	-	-	-	+	-	-	+	-	-	+	-	-
Butanediol aq.	C4 H8 (OH)2	10%	20	0	0	+	+	+	N	+	+	+	+	+	+	+	+	+	+	+
Butanediol aq.	C4 H8 (OH)2	10%	60	-	-	+	-	0	N	0	+	+	+	+	+	+	+	0	+	+
Butanetriol aq.	C4 H7 (OH)3	All	20	0	0	+	+	+	N	+	+	+	+	+	+	+	+	+	+	+
Butanetriol aq.	C4 H7 (OH)3	All	60	-	-	+	0	+	N	0	+	+	+	+	+	+	+	0	0	0
Butanol aq.	C4 H9 OH	All	20	0	0	+	+	+	N	+	+	+	+	+	+	+	+	+	+	+
Butanol aq.	C4 H9 OH	All	60	-	-	+	0	+	N	0	+	+	+	+	0	+	+	+	0	+
Butyl Acetate	CH3 C00C4 H9	T.P	20	0	-	0	-	0	-	N	+	0	+	+	+	+	-	-	-	+
Butanoic Acid aq.	C3H7 C00H	20%	20	+	+	+	+	+	N	N	0	+	+	+	+	N	+	+	0	+
Butanoic Acid aq.	C3H7 C00H	T.P	20	+	+	+	-	-	N	N	-	+	+	+	+	N	-	0	-	0
Calcium Chloride aq.	Ca C12	Sat.	60	+	-	+	+	+	+	+	-	+	-	-	+	-	+	+	+	+
Calcium Chloride aq.	C1 C12	Sat.	100	-	-	+	-	0	-	+	-	+	-	-	+	-	+	+	+	0
Calcuim Hypochlorite aq.	Ca (C10)2	All	60	0	0	+	0	+	N	-	+	-	-	-	-	-	-	+	0	+
Calcuim Salts aq.		All	60	+	-	+	+	+	N	+	+	+	+	+	+	0	+	+	+	+
Carbon Disulphine	CS2	All	60	+	0	+	0	+	-	-	+	+	+	+	+	+	-	+	-	-
Carbon Tetrachloride	CC14	T.P	20	0	0	+	0	-	N	-	+	+	+	+	+	+	0	+	-	-
Carbon Tetrachloride	CC14	T.P	60	-	-	+	-	-	-	-	+	+	+	+	-	+	-	+	-	-
Cellosolve		U.C	60	0	-	+	-	-	n	-	0	+	+	+	+	+	-	-	-	+
Chloroacetic Acid	C1CH2 C00H	T.P	60	-	-	+	0	0	-	-	-	+	-	-	-	-	-	-	-	0
Chloral Hydrate aq.	C13 CH0	All	60	0	-	+	-	-	N	-	-	-	N	N	-	-	-	0	-	0
Chlorobenzene	C6 H5 C1	T.P	20	0	-	+	-	+	-	-	+	+	+	+	+	-	-	-	-	0
Chloric Acid aq.	HC103	10%	60	0	-	0	0	0	N	-	N	0	-	-	-	-	-	+	-	+
Chloric Acid aq.	HC103	10%	100	-	-	0	-	-	N	-	N	0	-	-	-	-	-	-	N	0
Chlorine aq.	C12	Sat.	20	+	-	+	0	-	N	-	-	+	-	-	-	-	-	-	-	+
Chlorine Liquid	C12	100%	20	N	N	N	-	-	N	-	-	N	N	N	+	-	-	+	N	+
Chloroform	CHC13	T.P	20	-	-	+	-	0	-	-	-	+	+	+	-	+	-	+	-	0
Chromic Acid aq.	Cr03 + H20	50%	20	-	-	+	+	0	+	-	-	+	-	-	-	-	-	+	-	0
Cider		U.C	20	+	+	+	+	N	+	+	+	+	+	+	+	+	+	+	+	+
Citric Acid aq.	C6 07 H8	10%	60	+	+	+	0	+	+	+	0	+	+	+	+	-	+	+	+	+
Copper Acetate aq.	(CH3 C00)2 Cu	10%	60	+	-	+	-	-	+	+	-	+	+	+	-	-	0	-	-	+

CHEMICAL COMPATIBILITY CHART

CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP (°C)	FILTER TUBE			HOUSING MATERIAL										SEAL MATERIAL				
				Epoxy	S Type	C & K Type	UPVC	Polypropylene	S.A.N.	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Viton A	Silicone	EPR	
Copper Nitrate aq.	Cu (NO3)2	30%	60	+	-	+	0	0	+	+	0	+	+	+	-	-	0	+	+	+	+
Copper Nitrate aq.	Cu (NO3)2	30%	100	+	0	+	+	-	+	+	+	+	+	-	-	-	+	+	+	+	+
Copper Sulphate aq.	Cu SO4	Sat.	60	-	-	+	-	-	-	-	-	+	+	+	-	-	+	+	+	+	+
Copper Sulphate aq.	Cu SO4	Sat.	100	-	-	+	-	-	-	-	-	+	+	+	-	-	+	+	+	+	+
Cresols aq.	CH3 C6 H4 OH	All	20	0	-	+	0	+	N	-	-	+	+	+	+	+	-	+	-	-	-
Crotonaldehyde	CH3 CH-CH.CH0	T.P	20	-	-	+	-	-	N	-	N	+	+	+	+	N	+	+	-	-	+
Cyclohexane	C6 H12	T.P	20	+	0	+	+	+	-	+	+	+	+	+	+	+	+	+	-	-	0
Cyclohexanol	C6 H11 OH	T.P	20	+	0	+	-	+	N	+	0	+	+	+	+	+	+	+	-	-	0
Cyclohexanone	C5 H10 C0	T.P	20	-	-	+	-	+	N	-	+	+	+	+	+	+	-	-	-	-	0
Decalin	C10 H18	T.P	20	+	+	+	+	0	N	N	+	+	+	+	+	+	-	+	-	-	-
Decalin	C10 H18	T.P	60	-	-	+	0	0	N	N	+	+	+	+	+	+	-	+	-	-	-
Detergent aq.		U.C	60	+	+	+	0	+	-	+	+	+	+	+	+	+	+	+	+	+	+
Dibutyl Ether	C4 H9-0-C4H9	T.P	20	+	0	+	0	0	N	-	+	+	+	+	+	+	-	0	-	-	0
Dibutyl Ether	C4 H9-0-C4H9	T.P	60	-	-	0	-	-	N	-	-	0	+	+	+	+	-	-	-	-	0
Dibutyl Phthalate	C6H4(C00C4H9)2	T.P	20	+	+	+	-	+	N	0	+	+	+	+	+	+	-	-	-	-	+
Dibutyl Phthalate	C6H4(C00C4H9)2	T.P	60	+	-	0	-	0	N	-	+	0	+	+	+	+	-	-	-	-	0
1,2 Dichloroethane	C1 CH2 CH2C1	T.P	20	0	-	+	-	0	N	-	+	+	+	+	+	+	0	+	-	-	-
1,2 Dichloroethylene	C1 CH – CHC1	T.P	20	0	-	+	-	0	N	-	+	+	+	+	+	+	0	+	-	-	-
Dichlorobenzene	C6 H4 C12	T.P	20	0	-	+	-	0	N	-	+	+	+	+	+	+	0	+	-	-	-
Diesel Oil		T.P	20	+	+	+	0	+	N	+	+	+	+	+	+	+	+	+	-	-	-
Diesel Oil		T.P	60	+	-	+	0	0	N	+	+	+	+	+	+	+	+	+	-	-	-
Dimethyl Formanide	HC0N (DH3)2	T.P	60	0	-	0	-	+	N	-	+	0	+	+	+	+	-	-	0	-	+
Dimethylamine	CH3 –NH –CH3	T.P	60	0	-	0	-	0	N	-	N	0	+	+	-	N	-	-	0	-	+
Diocetyl Phthalate	C6H4(C00C8H17)2	T.P	60	+	0	+	-	0	N	0	+	+	+	+	+	+	-	-	0	-	+
Dioxan	C4 H8 O2	T.P	60	-	-	0	-	0	N	-	+	0	+	+	N	N	-	-	-	-	+
Diethyl Ether	C2 H5 0C2 H5	T.P	20	0	-	+	-	+	N	-	+	+	+	+	+	+	-	-	-	-	0
Ethyl Acetate	CH3 C00 C2 H5	T.P	20	0	+	+	-	0	-	N	+	+	+	+	+	+	-	-	+	-	0
Ethyl Acetate	CH3 C00 C2 H5	T.P	60	-	-	0	-	0	-	N	+	0	+	+	+	+	-	-	0	-	0
Ethanol aq.	C2 H5 OH	All	20	+	+	+	+	+	0	-	+	+	+	+	0	+	+	+	+	+	+
Ethanol aq.	C2 H5 OH	96%	60	0	0	+	0	+	0	-	0	+	+	+	+	+	+	+	+	+	+
Ethylene Diamine	NH2CH2CH2NH	T.P	60	0	+	-	-	+	-	N	N	-	-	0	-	N	0	-	+	+	+
Ethylene Glycol	H0 CH2 CH2OH	T.P	20	+	+	+	+	+	+	+	+	+	+	+	+	+	0	+	+	+	+
Ethylene Glycol	H0 CH2 CH2OH	T.P	60	+	+	+	-	+	+	+	+	+	+	+	+	+	-	+	+	+	+
Ethylene Oxide	0 (CH2) 2	T.P	20	+	-	+	-	-	-	N	N	+	+	+	+	+	-	-	-	-	0
Fatty Acids	R COOH	T.P	60	+	0	+	+	0	+	N	+	+	+	+	+	-	0	+	N	-	0
Ferric Chloride aq.	Fe C13	Sat.	60	0	-	+	+	+	+	+	-	+	-	-	-	-	+	+	+	+	+
Ferric Chloride aq.	Fe C13	Sat.	100	-	-	+	-	0	-	-	-	+	-	-	-	-	+	+	0	-	+
Ferric Chloride aq.	Fe C13	10%	60	+	-	+	0	+	+	+	-	+	-	-	-	-	+	+	+	+	+
Ferrous Sulphate aq.	Fe S04	10%	20	+	+	+	+	+	+	+	+	+	+	-	-	+	+	+	+	+	+
Ferrous Sulphate aq.	Fe S04	10%	60	+	0	+	+	+	+	+	0	+	+	+	-	-	+	+	+	+	+
Ferrous Sulphate aq.	Fe S04	10%	100	0	-	+	-	+	-	-	0	+	+	+	-	-	+	+	+	+	+
Formaldehyde aq.	HCH0	10%	60	+	-	+	+	+	+	+	0	+	+	+	+	-	+	+	+	+	+
Formaldehyde aq.	HCH0	40%	60	+	-	+	+	+	+	+	0	+	+	+	+	-	+	0	0	-	+
Formamide aq.	HCONH2	T.P	60	+	-	+	+	+	N	-	N	+	+	+	+	N	+	0	N	-	+

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CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP (°C)	FILTER TUBE			HOUSING MATERIAL								SEAL MATERIAL					
				Epoxy	S Type	C & K Type	UPVC	Polypropylene	S.A.N.	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Viton A	Silicone	EPR
Formic Acid	HC00H	T.P	20	+	+	+	+	+	+	-	-	+	+	+	-	-	-	+	+	
Formic Acid	HC00H	T.P	60	+	0	+	-	+	+	-	-	+	0	+	-	-	-	-	+	+
Formic Acid aq.	HC00H	50%	60	+	0	+	0	+	+	0	-	+	-	+	-	-	0	0	0	0
Freon 12	CF2C12	100%	20	+	0	+	+	-	N	N	+	+	+	+	+	+	0	0	-	0
Gasoline		U.C	20	+	0	+	0	+	-	N	+	+	+	+	+	+	+	+	-	+
Gelatine aq.		All	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Glucose aq.	C6 H12 O6	Sat.	60	+	0	+	0	+	+	+	+	+	+	+	+	+	+	N	+	+
Glycerine aq.	C4 H10 O3	All	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	N	+	+
Glycerine aq.	C4 H10 O3	All	100	0	-	+	-	+	-	-	+	+	+	+	+	+	-	+	-	+
Glycols aq.		U.C	60	+	-	+	+	+	-	+	N	+	+	+	+	+	+	N	+	+
Glycols aq.		U.C	100	0	-	+	-	0	-	-	N	+	+	+	+	+	+	N	+	0
Heptane	C7 H16	T.P	20	+	+	+	+	+	+	N	N	+	+	+	+	+	+	+	-	-
Heptane	C7 H16	T.P	60	0	0	+	0	0	N	N	+	+	+	+	+	+	+	+	-	-
Hexane	C6 H14	T.P	20	+	+	+	+	+	+	N	N	+	+	+	+	+	+	+	-	-
Hexane	C6 H14	T.P	60	0	0	+	0	0	N	N	+	+	+	+	+	+	+	+	-	-
Hydrobromic Acid aq.	HBr	10%	20	+	0	+	+	+	+	+	+	-	+	-	-	-	-	+	-	+
Hydrobromic Acid aq.	HBr	10%	60	0	-	+	0	+	-	-	-	+	-	-	-	-	-	+	-	+
Hydrobromic Acid aq.	HBr	10%	100	-	-	+	-	-	-	-	-	+	-	-	-	-	-	+	-	+
Hydrobromic Acid aq.	HBr	48%	20	+	0	+	+	+	+	-	-	+	-	-	-	-	-	+	-	0
Hydrobromic Acid aq.	HBr	48%	60	-	-	+	+	+	-	-	-	+	-	-	-	-	-	+	-	0
Hydrobromic Acid aq.	HBr	48%	100	-	-	+	-	-	-	-	-	+	-	-	-	-	-	-	-	-
Hydrochloric Acid aq.	HCl	10%	20	+	0	+	+	+	+	+	-	+	-	-	-	-	-	+	-	0
Hydrochloric Acid aq.	HCl	10%	60	0	-	+	0	+	+	-	-	+	-	-	-	-	-	0	-	0
Hydrochloric Acid aq.	HCl	10%	100	-	-	+	-	+	-	-	-	+	-	-	-	-	-	-	-	N
Hydrochloric Acid aq.	HCl	30%	20	+	0	+	+	+	+	-	-	+	-	-	-	-	-	0	-	0
Hydrochloric Acid aq.	HCl	30%	60	0	-	+	+	+	-	-	-	+	-	-	-	-	-	0	-	-
Hydrochloric Acid aq.	HCl	30%	100	-	-	+	-	-	-	-	-	+	-	-	-	-	-	-	-	-
Hydrogen Peroxide aq.	H2 O2	30%	20	+	0	+	+	+	+	+	-	+	+	+	+	-	-	+	+	+
Hydrogen Peroxide aq.	H2 O2	90%	20	+	0	+	+	+	-	0	-	+	+	+	+	-	-	+	+	+
Hydrogen Peroxide aq.	H2 O2	90%	60	0	-	-	0	-	-	-	-	N	+	+	+	-	-	0	0	+
Hydrogen Sulphide aq.	H2S	Sat.	60	0	-	-	0	+	-	-	0	+	+	+	+	+	+	+	-	+
Hydrofluoric Acid aq.	HF	40%	20	-	-	-	0	+	-	-	-	+	-	-	-	-	-	0	-	-
Hydrofluoric Acid aq.	HF	40%	60	-	-	-	0	+	-	-	-	+	-	-	-	-	-	0	-	-
Hydrofluoric Acid aq.	HF	70%	20	-	-	-	-	0	-	-	-	+	-	-	-	-	-	-	-	0
Iodine Solution aq.	I2	U.C	20	+	+	+	-	+	N	-	-	+	+	+	-	N	+	+	N	0
Iodine Solution aq.	I2	U.C	60	+	-	+	-	0	N	-	-	+	+	+	-	N	+	+	N	0
Isopropanol	(CH3) 2 CH0H	T.P	60	+	+	+	0	+	N	-	0	+	+	+	+	+	+	+	+	+
Isopropanol	(CH3) 2 CH0H	T.P	100	0	0	0	-	+	N	-	-	0	+	+	+	+	0	+	+	0
Isopropyl Ether	C3 H7 0C3 H7	T.P	60	0	-	0	-	-	N	N	+	0	+	+	+	+	-	-	-	0
Lactic Acid aq.	CH3CH(0H)C00H	10%	20	+	+	+	+	+	N	+	-	+	+	+	+	-	+	+	0	0
Lactic Acid aq.	CH3CH(0H)C00H	10%	60	+	+	0	0	+	N	+	-	0	+	+	+	-	0	+	-	0
Lactic Acid aq.	CH3CH(0H)C00H	90%	20	+	+	+	0	+	+	+	-	+	+	+	+	-	-	0	-	-
Lactic Acid aq.	CH3CH(0H)C00H	90%	60	+	+	0	-	+	+	+	-	0	-	0	+	-	-	0	-	-

CHEMICAL COMPATIBILITY CHART

CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP (°C)	FILTER TUBE			HOUSING MATERIAL										SEAL MATERIAL			
				Epoxy	S Type	C & K Type	UPVC	Polypropylene	S.A.N.	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Viton A	Silicone	EPR
Lactic Acid aq.	CH3CH(OH)COOH	100%	100	-	-	-	-	+	-	-	-	-	-	-	+	-	0	-	-	
Lead Acetate aq.	Pb (COOCH3) 2	10%	60	+	0	+	0	+	+	+	+	+	+	-	-	+	+	0	+	
Lead Acetate aq.	Pb (COOCH3) 2	Sat.	60	+	-	+	+	+	+	+	+	+	-	-	+	+	-	-	+	
Lead Acetate aq.	Pb (COOCH3) 2	Sat.	100	-	-	+	-	0	-	-	N	+	+	+	-	-	0	+	-	
Linseed Oil		T.P	20	+	+	+	0	+	N	+	+	+	+	+	+	+	+	+	-	
Linseed Oil		T.P	60	+	+	+	-	+	N	+	+	+	+	+	+	-	+	+	-	
Linseed Oil		T.P	100	+	+	+	-	+	N	-	+	+	+	+	+	-	N	0	-	
Lubricating Oil	Mineral	T.P	20	+	+	+	+	+	N	+	+	+	+	+	+	+	+	-	-	
Lubricating Oil	Mineral	T.P	60	+	+	+	+	0	N	+	+	+	+	+	+	+	+	-	-	
Lubricating Oil	Mineral	T.P	100	+	0	+	-	-	N	-	+	+	+	+	+	+	+	-	-	
Lubricating Oil	Phospate Ester	T.P	60	0	-	+	-	-	N	N	N	+	+	+	N	N	0	+	-	
Magnesium Chloride aq.	MgCl2	10%	20	+	+	+	+	+	N	+	+	+	+	+	-	+	+	+	+	
Magnesium Chloride aq.	MgCl2	10%	60	+	+	+	+	+	N	+	+	+	+	+	-	+	+	+	+	
Magnesium Chloride aq.	MgCl2	Sat.	20	+	+	+	+	+	N	+	+	+	+	+	-	+	+	+	+	
Magnesium Chloride aq.	MgCl2	Sat.	60	+	+	+	+	+	N	+	+	+	+	+	-	+	+	+	+	
Magnesium Chloride aq.	MgCl2	Sat.	100	0	-	+	-	0	N	-	+	+	+	+	-	+	+	+	+	
Magnesium Sulphate	MgSO4	10%	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Magnesium Sulphate	MgSO4	10%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Magnesium Sulphate	MgSO4	Sat.	20	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Magnesium Sulphate	MgSO4	Sat.	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Magnesium Sulphate	MgSO4	Sat.	100	0	-	+	+	+	+	N	-	+	0	+	+	N	+	+	N	
Maleic Acid aq.	H00CCHCHC00H	Sat.	20	+	+	+	+	+	+	N	-	+	0	+	+	N	+	+	N	
Maleic Acid aq.	H00CCHCHC00H	Sat.	60	+	+	+	+	+	+	N	-	+	-	+	+	N	0	+	N	
Maleic Acid aq.	H00CCHCHC00H	Sat.	100	-	-	+	-	+	-	N	-	+	-	+	+	N	-	+	N	
Menthol	C10 H19 OH	T.P	20	+	+	+	0	+	N	+	N	+	+	+	+	+	+	+	+	
Menthol	C10 H19 OH	T.P	60	+	+	+	-	0	N	0	N	+	+	+	+	+	0	+	+	
Mercury	Hg	T.P	20	+	+	+	0	+	+	+	+	+	+	-	-	+	+	+	+	
Mercury	Hg	T.P	60	+	+	+	0	+	+	-	+	+	+	-	-	+	+	+	+	
Methanol	CH3 OH	T.P	20	+	+	+	0	+	N	-	0	+	+	+	+	+	+	+	+	
Methanol	CH3 OH	T.P	60	+	+	+	-	+	N	-	-	+	+	+	+	+	+	-	+	
Methylamine aq.	CH3 NH2	30%	20	+	+	-	0	+	N	-	N	-	+	+	0	N	-	+	N	
Methyl Ethyl Ketone	CH3 COC2 H5	T.P	20	-	-	-	-	+	N	-	-	+	+	+	+	-	-	-	+	
Methylene Chloride	CH2 C12	T.P	20	-	-	0	-	-	-	-	-	0	+	+	+	+	-	+	-	
Milk		U.C	20	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	
Mineral Oil			20	+	+	+	0	+	N	+	+	+	+	+	+	+	+	-	-	
Mineral Oil			60	+	+	+	0	0	N	0	+	+	+	+	+	+	+	-	-	
Mixed Acids	50%H2SO4.50%HN03	20	-	-	0	-	-	N	-	-	0	-	-	-	-	+	-	0		
Mixed Acids	30%H2SO4.70%H3PO4	20	-	-	0	+	0	N	-	-	0	-	-	-	-	+	-	0		
Motor Oils		U.C	60	+	+	+	0	0	N	0	+	+	+	+	+	+	+	-	-	
Naphthalene	C10 H8		20	+	+	+	-	+	-	+	+	+	+	+	N	0	+	-	-	
Naphthalene	C10 H8		60	0	0	+	-	0	-	0	N	+	+	+	+	N	-	+	-	
Nickel Salts aq.		10%	60	+	+	+	+	+	+	+	+	+	+	-	-	+	+	+	+	
Nickel Sulphate aq.	NiSO4	10%	60	+	+	+	+	+	+	+	+	+	+	-	-	+	+	+	+	
Nickel Sulphate aq.	NiSO4	Sat.	60	+	+	+	+	+	+	+	+	+	+	-	-	+	+	+	+	

CHEMICAL COMPATIBILITY CHART

CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP (°C)	FILTER TUBE			HOUSING MATERIAL										SEAL MATERIAL			
				Epoxy	S Type	C & K Type	UPVC	Polypropylene	S.A.N.	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Viton A	Silicone	EPR
Nickel Sulphate aq.	NiSO4	Sat.	100	+	+	+	-	+	N	+	+	+	+	+	+	+	-	+	+	-
Nicotine aq.		U.C	20	+	+	+	+	N	N	N	N	+	+	+	+	N	+	+	N	+
Nitric Acid aq.	HN03	30%	20	-	-	+	+	+	-	+	-	-	-	-	-	-	-	+	-	+
Nitric Acid aq.	HN03	30%	60	-	-	+	+	+	-	-	-	-	-	-	-	-	+	+	-	+
Nitric Acid aq.	HN03	40%	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-
Nitric Acid aq.	HN03	70%	20	-	-	+	+	-	-	-	+	-	-	-	-	-	-	0	-	-
Nitric Acid	HN03	70%	60	-	-	0	0	-	-	-	-	0	-	-	-	-	-	-	-	-
Nitric Acid	HN03	98%	20	-	-	0	-	-	-	-	-	0	-	-	-	-	-	-	-	-
Nitrobenzene	C6 H5 NO3	T.P	60	-	-	0	-	0	-	-	-	0	-	-	+	N	-	-	-	-
Oleic Acid	C17 H3 COOH	U.C	60	+	0	+	+	0	N	+	-	+	0	+	+	N	0	+	N	-
Oleum	H2 SO4.S03	T.P	20	-	-	-	-	-	N	-	-	-	-	-	-	-	-	-	-	-
Olive Oil			60	+	+	+	0	+	N	+	+	+	+	+	+	+	+	+	+	-
Olive Oil			100	0	+	+	-	+	N	-	+	+	+	+	+	+	0	+	+	-
Oxalic Acid aq.	(COOH)2	10%	60	+	+	+	0	0	-	+	-	+	+	+	+	N	0	+	+	+
Oxalic Acid aq.	(COOH)2	Sat.	60	+	+	+	+	0	-	+	-	+	0	+	+	N	0	+	0	+
Oxalic Acid aq.	(COOH)2	Sat.	100	0	0	0	-	-	-	-	-	0	-	-	+	N	-	+	-	+
Paraffin		U.C	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-
Perchlorethylene	C12C=CC12	T.P	20	+	+	+	-	0	N	-	0	+	+	+	+	+	0	+	-	-
Perchloric Acid aq.	HC104	10%	20	+	+	+	+	+	-	+	-	+	-	-	-	-	-	+	-	+
Perchloric Acid aq.	HC104	10%	60	0	0	+	+	+	-	-	-	+	-	-	-	-	-	+	-	+
Perchloric Acid aq.	HC104	10%	100	0	-	+	-	N	-	-	-	+	-	-	-	-	-	+	-	+
Perchloric Acid aq.	HC104	Sat.	60	-	-	+	+	-	-	-	-	+	-	-	-	-	-	+	-	+
Petroleum		T.P	60	+	0	+	0	+	-	-	+	+	+	+	+	+	+	+	-	-
Petroleum Ether		T.P	60	0	-	+	0	+	-	-	+	+	+	+	+	+	+	0	-	-
Phenol aq.	C6 H5 OH	1%	60	+	0	+	-	0	-	-	-	+	+	+	+	+	+	0	-	-
Phenol aq.	C6 H5 OH	1%	60	+	0	+	-	0	-	-	-	+	+	+	+	+	+	0	-	-
Phenol aq.	C6 H5 OH	90%	60	0	-	+	-	-	-	-	-	+	+	+	+	+	-	0	-	-
Phosgene Liquid	COCl2	100%	20	N	N	N	-	0	N	+	-	N	-	-	-	-	0	+	N	+
Phosphoric Acid aq.	H3 P04	30%	20	+	0	+	+	+	0	-	-	+	-	-	-	-	+	+	+	+
Phosphoric Acid	H3 P04	30%	60	0	0	+	0	+	-	+	-	+	-	-	-	-	+	+	+	+
Phosphoric Acid	H3 P04	80%	20	+	0	+	+	+	+	-	-	+	-	-	-	-	0	+	0	+
Phosphoric Acid	H3 P04	80%	60	-	-	+	+	0	-	-	-	+	-	-	-	-	-	+	-	+
Phosphoric Acid	H3 P04	80%	100	-	-	+	-	-	-	-	-	+	-	-	-	-	-	0	-	0
Phthallic Acid aq.	C6 H4 (COOH)2	50%	60	+	0	+	-	+	-	-	-	+	+	+	+	-	+	+	-	+
Potassium Bromide aq.	KBr	10%	60	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+
Potassium Bromide aq.	KBr	Sat.	60	+	0	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+
Potassium Bromide aq.	KBr	Sat.	100	0	-	+	-	0	N	-	+	+	+	+	+	-	0	+	+	+
Potassium Carbonate aq.	K2 CO3	Sat.	20	+	+	+	+	+	N	+	+	+	+	+	+	-	+	+	+	+
Potassium Chlorate aq.	KClO3	Sat.	60	+	-	+	0	+	N	+	+	+	+	+	+	-	-	+	N	+
Potassium Chlorate aq.	KCl	10%	60	+	+	N	+	+	+	+	+	N	+	+	+	-	+	+	+	+
Potassium Chlorate aq.	KCl	Sat.	60	+	0	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+
Potassium Chlorate aq.	KCl	Sat.	100	0	0	+	+	N	0	-	-	+	+	+	+	+	+	+	+	+
Potassium Cyanide aq.	KCN	10%	60	+	0	+	0	+	N	-	N	+	+	+	-	-	+	+	+	+
Potassium Cyanide aq.	KCN	Sat.	60	+	0	+	+	+	N	-	N	+	+	+	-	-	+	+	+	+

CHEMICAL COMPATIBILITY CHART

CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP (°C)	FILTER TUBE			HOUSING MATERIAL								SEAL MATERIAL					
				Epoxy	S Type	C & K Type	UPVC	Polypropylene	S.A.N.	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Viton A	Silicone	EPR
Potassium Cyanide aq.	KCN	Sat.	100	-	-	+	-	-	N	-	-	+	+	+	-	-	+	0	+	0
Potassium Hydroxide aq.	KOH	10%	20	+	-	+	0	+	N	-	+	+	+	+	-	-	+	+	+	+
Potassium Hydroxide aq.	KOH	10%	60	0	-	+	0	+	N	-	+	+	+	+	-	-	+	+	+	+
Potassium Hydroxide aq.	KOH	10%	100	-	-	-	-	N	N	-	+	-	+	+	-	-	+	-	-	+
Potassium Hydroxide aq.	KOH	50%	60	-	-	-	0	+	N	-	+	+	+	+	-	-	+	0	0	+
Potassium Nitrate aq.	KNO3	10%	60	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Potassium Nitrate aq.	KNO3	Sat.	60	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Potassium Perchlorate aq.	KC104	1%	60	+	0	+	0	+	N	+	+	+	+	+	+	-	-	+	+	+
Potassium Permanganate aq.	KMn04	6%	60	+	0	+	+	+	N	+	+	+	+	+	+	+	-	+	+	+
Propane Liquid	C3 H8	100%	20	+	+	+	+	0	N	-	N	+	+	+	+	+	+	+	-	-
Propanol (iso & n)	C3 H7 0H	T.P	60	+	+	0	0	+	N	-	+	0	+	+	+	+	0	+	+	+
Propanic Acid	C2 H5 C00H	T.P	20	+	+	+	+	+	N	N	+	+	0	+	+	-	-	+	N	+
Propanic Acid	C2 H5 C00H	T.P	60	+	+	+	0	0	N	N	0	+	-	-	+	-	-	+	N	0
Pyridine	C5 H5 C00H	All	20	+	0	0	-	0	-	-	+	0	+	+	-	-	-	-	-	0
Pyridine	C5 H6 C00H	All	60	0	-	-	-	0	-	-	0	-	+	+	-	-	-	-	-	-
Sea Water			60	+	+	+	+	+	+	+	+	+	+	0	-	+	+	+	+	+
Sea Water			100	0	-	+	-	-	-	-	+	+	+	+	-	-	+	+	+	+
Silicic Acid aq.	H2 Si03	All	60	0	-	N	+	+	+	-	-	N	O	+	-	-	+	+	N	+
Silicone Oil		T.P	20	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	0	0
Silicone Oil		T.P	60	+	+	+	-	+	-	+	+	+	+	+	+	+	+	+	-	-
Silver Nitrate aq.	Ag N03	8%	60	+	0	+	0	+	+	-	N	+	+	+	-	-	+	+	+	+
Silver Nitrate aq.	Ag N03	8%	100	-	-	+	-	-	-	-	N	+	+	+	-	-	0	0	+	0
Soap Solution aq.		Conc.	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sodium Acetate aq.	CH3 C00Na	10%	60	+	-	+	-	-	N	+	-	+	+	+	-	-	0	-	-	+
Sodium Bicarbonate aq.	Na HC03	Sat.	60	+	0	+	+	+	N	+	+	+	+	+	-	-	+	+	+	+
Sodium Bisulphite aq.	Na HS03	10%	60	+	0	+	+	+	N	+	+	+	+	+	0	-	-	-	+	+
Sodium Bisulphite aq.	Na HS03	Sat.	60	+	0	+	+	+	N	+	+	+	+	+	-	-	-	0	+	0
Sodium Carbonate aq.	Na2 C03	Sat.	60	+	-	+	+	+	+	+	+	+	0	+	-	-	+	+	+	+
Sodium Chlorate aq.	Na C103	10%	60	+	0	+	+	+	N	+	+	+	+	+	+	-	0	+	N	+
Sodium Chlorate aq.	Na C103	Sat.	60	+	0	+	0	+	N	+	+	+	+	+	+	-	-	+	N	+
Sodium Chlorate aq.	Na C103	Sat.	100	-	-	+	-	0	N	-	+	+	+	+	+	-	-	0	N	-
Sodium Chloride aq.	Na C1	10%	60	+	0	+	0	+	N	+	+	+	+	+	+	-	+	+	+	+
Sodium Chloride aq.	Na C1	Sat.	60	+	0	+	0	+	N	+	+	+	+	+	+	-	+	+	+	+
Sodium Chloride aq.	Na C1	Sat.	100	-	-	+	-	+	N	-	+	+	+	+	+	-	+	+	+	+
Sodium Chloride aq.	Na C102	10%	20	+	+	+	+	0	N	-	N	+	0	+	+	-	-	+	N	-
Sodium Chloride aq.	Na C102	10%	60	+	0	+	0	0	N	-	N	+	-	+	+	-	-	+	N	-
Sodium Hydroxide aq.	Na 0H	10%	20	+	-	+	N	+	N	-	+	+	+	+	-	-	+	+	+	+
Sodium Hydroxide aq.	Na 0H	10%	60	-	-	+	0	+	N	-	+	+	+	+	-	-	+	+	+	+
Sodium Hydroxide aq.	Na 0H	10%	100	-	-	0	N	N	N	-	+	0	+	+	-	-	N	N	N	N
Sodium Hydroxide aq.	Na 0H	46%	60	-	-	0	0	+	N	-	0	0	+	+	-	-	+	+	+	+
Sodium Hypochlorite aq.	Na 0C1	10%	20	0	0	+	+	0	N	+	-	+	0	+	-	-	-	+	+	+
Sodium Hyposulphite aq.	Na2 S2 04	10%	20	+	+	+	+	+	N	+	-	+	+	+	+	-	0	+	+	+
Sodium Hyposulphite aq.	Na2 S2 04	10%	60	+	0	+	0	+	N	+	+	+	+	+	+	+	+	+	+	+
Sodium Nitrate aq.	Na N03	Sat.	60	+	0	+	0	+	N	-	-	+	+	+	+	-	-	+	+	+

CHEMICAL COMPATIBILITY CHART

CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP (°C)	FILTER TUBE			HOUSING MATERIAL									SEAL MATERIAL				
				Epoxy	S Type	C & K Type	UPVC	Polypropylene	S.A.N.	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Viton A	Silicone	EPR
Sodium Nitrate aq.	Na NO2	Sat.	60	+	-	+	0	0	N	+	+	+	+	+	+	-	-	+	N	+
Sodium Phosphate aq.	Na3 PO4	Sat.	60	+	-	+	+	+	N	+	+	+	+	+	-	-	+	+	+	+
Sodium Silicate aq.	Na2 SiO3	All	60	+	+	+	+	+	-	+	+	+	+	0	+	+	+	N	+	
Sodium Sulphate aq.	Na2 SO4	Sat.	60	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sodium Sulphate aq.	Na2 S	10%	60	+	0	+	+	+	+	+	+	+	+	-	-	+	-	+	+	
Sodium Sulphate aq.	Na2 S	Sat.	60	+	-	+	+	+	+	+	+	+	+	-	-	+	-	+	+	
Sodium Sulphate aq.	Na2 S	Sat.	100	-	-	+	-	-	0	-	N	+	-	-	-	-	0	-	+	0
Sodium Thiosulphate aq.	Na2 S2 O3	10%	60	+	0	+	+	+	N	+	+	+	+	+	+	-	+	+	+	
Starch aq.		All	60	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	
Stearic Acid aq.	C17 H35 COOH	T.P	60	+	+	+	+	0	N	0	+	+	+	+	+	+	+	+	+	
Sulphur Dioxide Liquid	S02	T.P	60	N	N	+	-	N	-	-	-	+	+	+	+	-	+	+	0	+
Sulphur Dioxide aq.	S02	All	60	+	0	+	0	+	-	-	-	+	-	-	-	-	+	0	0	+
Sulphuric Acid aq.	H2 SO4	10%	20	+	+	+	+	+	-	+	+	+	-	+	-	+	+	+	+	+
Sulphuric Acid aq.	H2 SO4	10%	60	+	+	+	0	+	-	+	-	+	-	-	-	-	-	+	0	+
Sulphuric Acid aq.	H2 SO4	10%	100	-	-	+	-	-	-	-	-	+	-	-	-	-	-	N	-	N
Sulphuric Acid aq.	H2 SO4	40%	60	-	-	+	0	+	-	+	-	+	-	-	-	-	-	+	-	+
Sulphuric Acid aq.	H2 SO4	70%	20	-	-	+	+	+	-	+	-	+	-	-	-	-	-	+	-	+
Sulphuric Acid aq.	H2 SO4	70%	60	-	-	+	0	0	-	+	-	+	-	-	-	-	-	+	-	0
Sulphuric Acid aq.	H2 SO4	96%	60	-	-	+	0	-	-	-	-	+	-	-	-	-	-	-	-	-
Tannic Acid aq.		10%	60	+	+	+	0	N	-	-	+	+	+	+	+	+	0	+	0	0
Tetrachloroethane	C12 CH.CHC12	T.P	20	-	-	+	-	0	-	-	+	+	+	+	+	-	+	-	-	-
Tetrachloroethane	C12 CH.CHC12	T.P	60	-	-	+	-	-	-	-	0	+	+	+	0	+	-	0	-	-
Tetrahydrofuran	0 (CH2)4	T.P	20	+	0	0	-	0	N	-	+	0	+	+	+	+	+	-	-	-
Tetrahydrofuran	0 (CH2)4	T.P	60	-	-	-	-	-	N	-	+	-	+	+	+	+	0	-	-	-
Thionyl Chloride	S0C12	T.P	20	-	-	N	-	-	N	-	-	N	+	+	-	-	0	-	-	+
Thiophen	C4 H4 S	T.P	20	+	0	N	-	0	N	-	N	N	+	+	+	+	-	-	-	-
Thiophen	C4 H4 S	T.P	60	0	-	N	-	0	N	-	N	N	+	+	+	+	-	-	-	-
Tin (II) Chloride aq.	Sn C12	10%	60	+	+	+	0	+	N	+	-	+	0	+	-	-	+	+	N	+
Toluene	C6 H5 CH3	T.P	20	0	-	+	-	+	N	-	+	+	+	+	+	+	0	-	-	-
Trichlorethylene	C12C=CHC1	T.P	20	0	-	-	-	-	N	-	0	+	+	+	+	+	-	+	-	0
Trichloroacetic Acid aq.	C13 C.C00H	50%	60	-	-	-	-	+	N	-	-	-	-	-	-	-	-	-	N	0
Trichloroacetic Acid aq.	C13 C.C00H	T.P	20	+	0	0	+	+	N	-	-	0	-	-	-	-	0	-	N	0
Trichloroacetic Acid aq.	C13 C.C00H	T.P	60	-	-	-	-	0	N	-	-	-	-	-	-	-	-	-	N	-
Triethanolamine	N(CH2CH2OH)3	T.P	20	+	+	0	N	N	N	-	+	0	+	+	-	-	+	+	-	0
Turpentine Oil		T.P	60	+	0	+	0	-	N	0	N	+	+	+	+	+	+	+	-	-
Urea aq.	NH2 C0NH2	10%	60	+	-	+	0	+	+	+	+	+	+	+	+	+	+	+	N	+
Urine			60	+	+	+	0	+	N	-	+	+	+	+	N	N	+	+	N	+
Vinegar		U.C	60	+	+	+	0	+	+	0	0	+	+	+	-	-	0	-	+	+
Vinegar		U.C	100	-	-	+	-	-	-	-	-	+	+	+	-	-	-	-	+	+
Vinyl Acetate	CH2=CHC00CH3	T.P	20	0	+	+	-	N	N	N	N	+	+	+	+	N	+	+	-	+
Water (distilled)	H2O		20	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+
Water (distilled)	H2O		60	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+
Water (distilled)	H2O		100	0	-	+	-	+	-	+	+	+	+	+	-	-	+	+	+	+
Wine		U.C	20	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+

CHEMICAL COMPATIBILITY CHART

CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP (°C)	FILTER TUBE			HOUSING MATERIAL									SEAL MATERIAL				
				Epoxy	S Type	C & K Type	UPVC	Polypropylene	S.A.N.	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Vitron A	Silicone	EPR
Xylene	C6 H4 (CH3)2	T.P	20	0	0	+	-	+	N	-	+	+	+	+	+	+	0	0	-	-
Xylenol	C6H3(CH3)2OH	T.P	20	+	+	+	-	+	N	-	-	+	+	+	+	+	-	0	-	-
Zinc Chloride aq.	ZnCl2	10%	60	+	+	+	0	+	N	+	-	+	+	+	-	-	+	+	N	+
Zinc Chloride aq.	ZnCl2	Sat.	60	+	0	+	+	+	N	0	-	+	-	-	-	-	+	+	N	+
Zinc Chloride aq.	ZnCl2	Sat.	100	-	-	+	N	0	N	-	-	+	-	-	-	-	+	+	N	+
Zinc Sulphate aq.	ZnSO4	Sat.	60	+	0	+	+	+	N	+	+	+	+	+	-	-	+	+	+	+

Section II - GASES

CHEMICAL RESISTANCE

MEDIUM	FORMULA	CONC.N	TEMP °C	FILTER TUBE			HOUSING MATERIAL									SEAL MATERIAL				
				Epoxy	S Type	C & K Type	Polypropylene	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Silicone	EPR	PTFE		
Acetylene	C2 H2	T.P	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Air			100	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Air			200	-	+	-	-	-	-	-	+	+	+	+	+	+	0	+	0	+
Air			300	-	+	-	-	-	-	-	+	+	0	0	+	+	-	-	-	+
Air			500	-	+	-	-	-	-	-	+	+	-	-	-	-	-	-	-	-
Ammonia	NH3	T.P	60	+	+	+	+	N	+	+	+	+	+	+	-	-	-	+	+	+
Argon	Ar	T.P	60	+	+	+	+	+	+	+	+	+	+	+	+	+	0	+	+	+
Bromine	Br2	T.P	60	-	-	+	-	-	-	+	-	-	-	-	-	-	-	-	-	+
Butane	C4 H10	T.P	20	+	+	+	+	+	+	+	+	+	+	+	+	+	0	+	+	+
Carbon Dioxide dry	CO2	100%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carbon Dioxide dry	CO2	100%	80	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carbon Dioxide moist	CO2	All	60	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+
Carbon Dioxide moist	CO2	All	100	+	+	+	0	-	+	+	+	+	+	+	+	+	+	0	+	+
Carbon Monoxide	CO	100%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Chlorine dry	Cl2	100%	20	+	+	+	0	-	-	+	+	+	-	-	-	-	-	0	-	+
Chlorine moist	Cl2	5%	20	-	-	+	-	-	-	+	-	-	-	-	-	-	-	-	-	+
Ethane	C2 H6	100%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	+
Ethylene	C2 H4	100%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	+
Fluorine dry	F2	100%	20	-	-	+	-	-	-	+	-	-	-	-	-	-	-	-	-	+
Fluorine dry	F2	100%	60	-	-	+	-	N	-	+	-	-	-	-	-	-	-	-	-	+
Helium	He	T.P	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hydrogen Chloride moist	HC1	All	60	+	+	+	+	-	-	+	-	-	-	-	-	-	-	-	+	+
Hydrogen	H2	100%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	0	+	+
Hydrogen	H2	100%	100	+	+	+	0	+	+	+	+	+	+	+	+	+	+	-	+	+
Hydrogen Sulphide dry	H2S	100%	60	+	+	+	+	0	0	+	+	+	+	+	+	+	-	-	+	+

CHEMICAL COMPATIBILITY CHART

Section II - GASES

CHEMICAL RESISTENCE

MEDIUM	FORMULA	CONC.N	TEMP°C	FILTER TUBE			HOUSING MATERIAL							SEAL MATERIAL				
				Epoxy	S Type	C & K Type	Polypropylene	Polycarbonate	Nylon	Kynar	304 SS	316 SS	Aluminum	Brass	Nitrile	Silicone	EPR	PTFE
Krypton	Kr	100%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Methane	CH4	100%	60	+	+	+	+	+	+	+	+	+	+	+	+	-	-	+
Methyl Bromide	CH3 Br	T.P	20	-	+	+	-	-	-	+	+	+	+	N	0	-	0	+
Methyl Chloride	CH2 Cl	T.P	20	-	+	+	-	-	-	+	+	+	-	N	-	-	-	+
Natural Gas		U.C	60	+	+	+	+	+	+	+	+	+	+	+	+	+	-	+
Neon	Ne	100%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nitrogen	N2	100%	60	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nitrous Gases	NOx	All	20	+	+	+	0	-	N	+	-	-	-	N	-	-	+	+
Nitrous Gases	NOx	All	60	+	+	+	-	-	N	+	-	-	-	N	-	-	-	+
Oleum	SO3	All	20	+	+	-	-	-	-	-	-	-	-	-	-	-	-	+
Oxygen	O2	All	60	+	+	+	-	+	+	+	+	+	+	N	+	+	+	+
Ozone	O3	2%	20	+	+	+	0	+	+	+	+	+	+	N	-	+	+	+
Ozone	O3	20%	60	+	+	+	0	0	N	+	+	+	+	N	-	+	+	+
Propane	C3 H8	100%	20	+	+	+	+	+	+	+	+	+	+	+	+	-	+	+
Sulphur Dioxide	SO2	All	60	+	+	+	+	-	-	+	+	+	+	+	0	0	+	+
Xenon	Xe	100%	60	+	+	+	+	-	+	+	+	+	+	+	+	+	+	+