

Corrosion Resistance Table

This corrosion guide is applicable to all Setra Systems, Inc. pressure transducers and transmitters using the one piece 17-4 pH stainless steel sensor. Models with this type of sensor are; 204, C-204, 204D (positive port only), 205-2, 206, C206, 207, C207, 209, C209, 280E, and C280E. In using these tables it should be understood that these are results of laboratory tests and are indicative only of the conditions under which they are run, and may be considered as a basis for recommendation, but not for guarantee.

Legend: A - Excellent
 B - Good
 C - Fair
 D - Not Suitable

Corrosive Media	% Conc.	Temp. °F	17-4 pH Stainless Steel
Acetaldehyde	100	70	A
Acetic Acid (aerated)	100	70	A
Acetic Anhydride	100	70	B
Acetone	100	70	A
Acetylene		70	A
Acid Mine Water		70	B
Alcohol, Ethyl		70	B
Amines		70	A
Ammonia	All	70	A
Ammonium Chloride	10	70	B
Aniline	100	70	B
Barium Chloride	30	70	B
Beer			A
Benzene	100	70	B
Benzoic Acid	10	70	B
Borax	5	70	A
Boric Acid	10	70	A
Butane	100	70	A
Butyl Acetate		70	B
Butyl Chloride	100	70	A
Calcium Chloride	20	70	C
Calcium Hydroxide	10	70	B
Carbolic Acid		Boil.	B

Carbon Dioxide	100	70	A
Carbon Monoxide		400	A
Carbon Tetrachloride		70	B
Carbon Tetrachloride		Boil.	C
Carbonic Acid	Sat.	70	B
Chloric Acid		70	D
Chloroform		70	A
Citric Acid	5	70	A
Copper Carbonate	Sat.	70	A
Copper Nitrate	5	70	A
Creosote	100	Hot	B
Dibutylphthalate	100	70	B
Diethylene Glycol	100	70	A
Diphenyl Oxide	100	85	B
Ethanolamine	100	70	A
Ether	100	70	A
Ethyl Acetate	100	70	B
Ethyl Alcohol	100	70	B
Ethyl Chloride	100	70	A
Ethyl Ether	100	70	B
Ethylene Glycol		70	A
Ferric Hydroxide		70	A
Ferric Sulfate	10	70	B
Fluorine	dry	70	B
Formaldehyde		70	B
Formic Acid	5	150	B
Freon	dry		A
Freon	wet		C
Fruit Juices		70	A
Fuel Oil		Hot	A
Furfural		70	B
Gasoline - refined		70	A
Gelatine			A
Glucose			B
Glycerine		70	A
Hydrocarbons		70	A

Hydrochloric Acid	Conc.	Boil.	D
Hydrofluoric Acid	Conc.	70	D
Hydrogen Peroxide		70	A
Hydrogen Sulfide	dry	70	A
Iodine	dry	70	D
Iodoform		70	A
Isopropanol	100	70	B
Kerosene		70	A
Ketchup		70	B
Lacquers		Hot	B
Lactic Acid	50	70	B
Lithium		300	A
Lithium Chloride	30	200	B
Lye (caustic)		70	B
Lysol		70	C
Magnesium Chloride	5	70	B
Magnesium Hydroxide		70	B
Magnesium Sulfate		70	B
Malic Acid	Conc.	70	B
Methallyamine	100	70	B
Methyl Alcohol	100	70	B
Milk		70	A
Monoethanolamine	100	200	B
Naptha		70	B
Nickel Sulfate	10	200	B
Nitric Acid	50	70	A
Nitrous Acid	5	70	B
Oils (crude)		Hot	B
Oleic Acid		70	B
Oleum		70	C
Oxalic Acid	10	70	B
Oxygen		70	A
Palmitic Acid		70	B
Paraffin		Hot	A
Phenol		Boil.	B
Phosphoric Acid	5	70	B

Potassium Carbonate	40	200	B
Potassium Hydroxide	50	Boil.	B
Propane			B
Propylene Glycol	100	70	B
Pyridine	100	70	B
Quinine Sulfate	dry	70	B
Rosin	Molten		A
Salicylic Acid		70	B
Sea Water		70	B
Sewage		70	B
Silver Nitrate		70	B
Soaps		70	B
Sodium Acetate	10	70	B
Sodium Bicarbonate		70	B
Sodium Chloride	20	70	B
Sodium Hydroxide	50	Boil.	B
Sodium Sulfite	5	70	B
Steam		600	A
Stearic Acid		70	B
Sulphur Dioxide	dry	500	B
Sulfuric Acid	1	70	B
Sulfuric Acid	50	70	D
Tannic Acid		70	B
Trichloroethylene	dry	70	B
Turpentine		70	A
Varnish		70	A
Vinegar		70	A
Water			A
Whiskey & Wine		70	A
Xylene	100	200	A
Zinc Chloride	5	70	C
Zinc Sulfate	5	70	B