

# Corrosion Resistance Table



The Corrosion Resistance Table is applicable to all Setra pressure transducers constructed of 17-4 pH stainless steel (SS). This table reflects results of laboratory tests and are indicative only of the conditions under which they are run, and should be used as a basis for recommendation.

## Legend:

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

Corrosion Media	% Conc.	Temperature °F	17-4 pH SS
Actaldehyde	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	-	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
Gelatin	-	-	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	-	70	A
Lithium Chloride	50	70	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
Mathlllyamine	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