



CORROSION RESISTANCE TABLE

BUTTERFLY VALVES HAVING EPDM LINERS

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Acetaldehyde	A	Glucose	A	Propyl Alcohol	A
Acetic Acid 10%	A	Glycerine	A	Pyridine	B
Acetic Acid Vapours	B	Glycols	A	Sea Water	A
Acetone	A	Hydrogen Sulphide (Dry)	B	Silicones	A
Acetylene	A	Ketones	B	Silver Nitrate	A
Alcohols	A	Lime	B	Soaps	A
Aluminium Sulphate	A	Lithium Bromide	B	Sodium Acetate	A
Ammonia (Gas)	A	Lithium Chloride	B	Sodium Aluminate	B
Ammonium Bicarbonate	A	Magnesium Carbonate	A	Sodium Bicarbonate	A
Ammonium Carbonate	B	Magnesium Hydroxide	A	Sodium Bisulphate	B
Ammonium Chloride	B	Magnesium Sulphate	A	Sodium Bromide	B
Ammonium Hydroxide	A	Mercuric Nitrate 5%	B	Sodium Carbonate	B
Ammonium Nitrate 10%	B	Methyl Alcohol	A	Sodium Chromate	B
Ammonium Sulphate	A	Methyl Ethyl Ketone	A	Sodium Hydroxide < 30%	A
Amyl Acetate	B	Methyl Isobutyl Ketone	B	Sodium Hydroxide > 30%	B
Barium Chloride	A	Milk	A	Sodium Metaphosphate	A
Barium Hydroxide	A	Molasses	B	Sodium Metasilicate	B
Barium Nitrate	A	Nickel Nitrate 5 to 10%	A	Sodium Nitrate	B
Beer 71%	A	Nickel Sulphate	A	Sodium Nitrite	B
Boric Acid	B	Phenol	B	Sodium Perborate	B
Brines	B	Phosphoric Acid 10%	A	Sodium Phosphate Tribasic	A
Butyl Alcohol	A	Phosphoric Acid 30%	A	Sodium Sulphate	B
Calcium Chloride	B	Potassium Carbonate	A	Sodium Sulphite	B
Calcium Hydroxide	A	Potassium Chlorate	A	Steam	A
Citric Acid	B	Potassium Chloride	A	Stearic Acid	B
Copper Sulphate	B	Potassium Chromate	B	Sugar Liquors	A
Diacetone Alcohol	B	Potassium Cyanide	B	Tannic Acid	B
Diethylene Glycol	A	Potassium Ferricyanide 25%	A	Tartartic Acid	B
Esters	B	Potassium Hydroxide	A	Triethanolamine	B
Ethyl Alcohol	A	Potassium Nitrate	A	Vinegar	B
Ethylene Glycol	A	Potassium Permanganate Dilute	B	Water, Distilled	A
Furfural	B	Potassium Silicate	B	Water, Fresh	A
Gelatine	A	Potassium Sulphate	A	Zinc Sulphate	B

Key

A = Substantial resistance. Satisfactory service can be expected

B = Moderate resistance. May be used where a somewhat limited life would be acceptable

Service recommendations must take into consideration specific environmental conditions which often have a profound influence on the nature of the corrosive service and hence on the behaviour of materials. Temperature, aeration, inhibiting or accelerating contaminants, and velocities are examples of the factors of ten encountered. Occasionally a user's experience, under identical or similar conditions, may indicate an exception to a recommendation in the table below. In such a case further investigation is advised.