Fluid/Corrosion Compatibility Reference Table

CODE

Suitable Under Normal Circumstances 1

Acceptable 2

Not Recommended 3

No Information; Test Before Using 0

PERFORMANCE
THE ORIGINAL SINCE 1997

800-270-0333

The following chart indicates the general compatibility of **PARAGON PERFORMANCE** hose and fittings with a variety of media being conveyed. These *recommendations* are intended as a **guide only** and can be effected by many factors in the operating parameters of the actual application, such as media and ambient temperature, pressure, media concentration, exposure time, and exposure to other media. Additional factors will effect hose and fitting selection for a specific application, such as gaseous effusion, potential for static discharge, system impulse spikes, proper assembly length for a dynamic flexing or static flexed system application, etc. **NOTE:** These tables are based on fitting compatibility ratings at 70° F; higher temperatures may have an adverse effect. (Consult **PARAGON PERFORMANCE** for details on specific applications)

MEDIA	WILL.	SPO WAS	3/3/	2000	153/C	MEDIA	SILIN	W ON ON	3/3/	Sept.	153/ 15/ 15/ 15/ 15/	MEDIA	WILL.	OF OF WA	33	- Constant	14 14 10H
Acetaldehyde Acetic Acid, Glacial Acetic Acid 30% Acetic Anhydride Acetone	1 0 3 3 1	1 0 3 3 1	1	1 2 2 2 1	1 1 1 1 1	Barium Chloride Barium Hydroxide Barium Sulfate Barium Sulfide Beer	2 0 2 3 1	3 2 1 3 2	1 1 1 1 1	1 1 1 1	1 1 1 1 1 1	Caliche Liquors Cane Sugar Liquors Carbonic Acide Carbon Dioxide Carbon Disulfide	0 2 3 1 2	1 1	1 1 1 1	1 1 1 1 1	1 1 1 1 0
Acetyl Chloride (COLD) Acetylene Acrylontrile Air Alcohols	2 2 0 1 1	3 0 1 1	2 1 1 1 1 1	2 1 1 1 1 1	1 1 1 1	Beet Sugar Liquors Benzene, Benzol Benzene Benzene Sulfonic Acid	0 1 1 0	1 2 1 3	1 1 1 0	1	1 1 1 0	Carbonic Acid Carbon Monoxide Carbon Tetrachloride Castor Oil Caustic Soda	3 1 2 1 3	3 1 3 1 2	1 2 1	1 1 2 1 1	1 1 1 1
Alum. Ammonion or Potassium Alum. Acetate Aluminum Bromide Aluminum Chloride	3 3 3	3 0 3 3	2 1 2 2	2 1 2 2	1 1 1	Benzaldehyde Benzine Benzoic Acid 70° Benzol Benzyl Alcohol	0 1 1 1 0	1 1 1 1 1	0 1 1 1 1 1	1 1 1	1 1 1 1 1	Celiosolve Acetate Celiosolve Butyl Celiube Celiuguard Chevron Fr-10,13,20.8	0 0 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	1 1 1 1 1 1 1
Aluminum Fluoride Aluminum Hydroxide Aluminum Nitrate Aluminum Salts Aluminum Sulfate	3 1 0 0 3	3 0 3 0 3	2 1 1 2 3	2 1 1 2 2	1 1 1 1 1	Benzyl Benzoate Benzyl Chloride Bismuth Carbonate Black Sulfate Liquor Black Furnace Gas	0 0 0 0	1 1 1 1 1	1 0 1 1 1	1 0 1 1 1 1	1 1 1 1 1	Chlorinate Parraffin & Petroleum Oil Chlorine, Gaseous, Dry Chlorine, Gaseous, Wet Chlorine Trifluoride	1 2 3 0	1 2 3 3	1 3 3 0	1 3 3 0	1 1 1 0
Ammonia Anhydrous Ammonia Aquebus Ammonium Carbonate Ammonium Chloride Ammonium Hydroxide	0 3 0 3 3	1 0 1 0 2	1 1 1 2 1	1 1 2 1	1 1 0 1	Borax Bordeaux Mixture Boric Acid Brine Bromine, Dry	2 0 3 3 3	2 0 3 0 3	1 1 2 0 3	1 1 0 3	1 1 1 1 3	Chlorine Water Chloracetic Acid Chlorobenzene Chlorobromomethane Chloroform	1 2 1 1 1	2 3 1 1 1 1	0 3 1 1 1 1	0 3 1 1 1 1	1 1 1 1
Ammonium Metaphosphate Ammonium Nitrate Ammonium Nitrate Ammonium Persulfate Ammonium Phosphate	0 3 0 0	1 1 0 0 3	1 1 1 1 2	1 1 1 1	1 1 0 0 1	Bunker, Oil Butadiene Butane Buttermilk Butter Oil	1 1 1 3 1	1 0 1 3 1	1 1 1 1	1 1 1 1 1	1 1 1 1 1	O-Chloronaphthalene Chlorosulfonic Acid Chlorotaluene Chromic Acid Citric Acid	1 0 1 3 3	1 1 3 3	1 0 1 3 3	1 0 1 2 1	1 1 1 1
Ammonium Sulfate Ammonium Thiocyanate Amyl Acetate Amyl Alcohol Amyl Chloride	3 0 1 1 0	1 1 3 1 0	1 1 1 1 1	1 1 1 1	1 1 1 1	Butyric Acid Butyl Acetate Butyl Alcohol Butyl Amine Butyl Carbitol	2 1 1 1 1	3 2 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	Citgo, Pacemaker FR, Glyco, FR15,20,25 Cod Liver Oil Coke Oven Gas Copper Chloride	1 1 0 3	1 1 1 3	1 1 1 3	1 1 1 1	1 1 1 1
Amyl Chloronaphthalene Amyl Naphthalene Aniline Aniline Dyes Aniline Hydrochloride	0 0 3 0 3	0 0 2 3 0	1 1 1 1 3	1 1 1 3	1 1 1 1	Butyl Stearate Butyl Mercaptan Butyraldehyde Calcium Acetate Calcium Bisulfate	1 0 1 1 3	1 0 0 1 0	1 1 0 1 2	1 1 0 1 1	1 1 1 1	Copper Cyanide Copper Nitrate Copper Sulfate Corn Oil Corn Syrup	3 0 3 1 0	0 1 3 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1
Animal Fats Asphalts Aqua Regia Arsenic Acid Askarel	0 0 0 0	1 0 0 2 1	1 3 0 1	1 3 1 1	1 1 1 1 0	Calcium Bisulfate Calcium Carbonate Calcium Chlorate Calcium Chlorate Calcium Hydroxide	0 1 0 2 2	0 1 0 3 3	1 1 2 2 3	1 1 1 1 1	1 1 1 1 1	Cottonseed Oil Creosote Cresol Cresylic Acid Crude Oil	1 3 0 0	1 2 2 1 3	1 1 1 1 3	1 1 1 1 2	1 1 1 1
Atmosphere Industrial Atmosphere Marine Atmosphere Rural Automotive Brake Fluid B arium Carbonate	0 2 1 1	3 3 1 2	1 3 3 1 1	1 3 1 1 1	1 3 1 1	Calcium Hypochlorite Calcium Nitrate Calcium Silicate Calcium Sulfate Calcium Sulfide	3 1 1 1	0 1 1 1	3 1 1 1 1	2 1 1 1 1 1	1 1 1 1 1	Crude Wax Cutting Oil Cyclohexane Cyclohexanone Cymene	1 1 1 0 1	1 1 1 0 0	1 1 1 1 0	1 1 1 1 0	1 1 1 1

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MEDIA	SILING	AND SHA	3/	Sales .	15 /5 /5 /5 /5 /5 /5 /5 /5 /5 /5 /5 /5 /5	MEDIA	ALIM	AND ON THE STATE OF THE STATE O	3/	STATE OF THE PARTY		MEDIA	HIM	WAS ON STATE	1/0/05/	The state of the s	23 C C C C C C C C C
Dasco FR-150,200,310 Dasco FR-300 Dasco IFR Decalin Denatured Alcohol	1 1 1 1 1	1 1 1 0 1	1 1 0 1	1 1 0 1	1 1 1 1 1 1	Ferrous Chloride Ferrous Nitrate Ferrous Sulfate Fluoroboric Acid Formaldehyde	2 0 2 0 1	3 0 3 0 0	1 1 1 1 1	2 1 1 1 1 1	1 1 1 1 1 1	Hydrochloric Acid Concentrated Hydrofluosilicic Acid Hydrogen, Gaseous Hydrogen Peroxide, 70%	3 3 1 3	3 0 1 3	3 3 1 2	3 3 1 1	1 1 1 1 1
Diacetone Diacetone Alcohol Dibenzyl Ether Diburyl Ether Dibutyl Phthalate	1 1 1 1	1 1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1	Formic Acid Freon 12 Freon 114 Fruit Juices Fuel Oil	2 0 0 0	3 3 3 2	2 1 1 1 2	1 1 1 1 2	1 2 2 1 1	Hydrogen Sulfide, Gaseous Hydrolube H-515 (NATO) Hydroquinone	3 1 1 0	3 1 1 0	2 1 1 1 1	1 1 1 1	1 1 1 0
Dibutyl Sebacate Dichlorobenzene Dichloroethane (dry) Diesel Oil Diethylamine	1 1 3 1 1	0 0 3 1 0	0 1 3 1	0 1 3 1	1 1 3 1	Fumaric Acid Furon Furfuran Furfural Fyrequel 90,150,220, 300,550,1000	0 1 1 1	0 1 2 1	1 1 1 1	1 1 1 1	0 1 1 1 1	Imol Isobutyl Alcohol Iso Octane Iso Octane Isopropyl Acetate	1 2 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	1 1 1 1 1 1
Diethyl Ether Diethylene Glycol Diethyl Phthalate Diethyl Sebacate Di-Isobutylene	1 1 1 1	1 1 0 0 0	1 1 1 1 1	1 1 1 1 1	1 1 1 1 0	Fyrguard 150,150-M,200 Fyre-Safe 225,211 Fyre-Safe W/O Fyre-Safe 1090E, 1150, 1220,1300E,1550E	1 1 1	1 1 1 1	1 1 1 1	1 1 1	1 1 1 1	Isopropyl Alcohol Isopropyl Ether JP3 and JP4 Kerosene Ketones	2 1 1 1 0	1 1 1 1 0	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1
Di-losprpyl Ketone Dimethyl Aniline Dimethyl Formamide Dimethyl Phthalate Dioctyl Phthalate	1 1 0 1 1	0 0 1 0 1	1 0 1 0 1	1 0 1 0 1	1 1 0 1	Gallic Acid Gasoline Glauber's Salt Gelatin Glucose	0 1 0 0	3 2 1 3 1	1 1 1 1 1	1 1 1 1 1	1 1 0 1	Lacquers Lacquers Solvents Lactic Acids Lard Lead Acetate	1 1 2 3 1	3 3 1 2	3 2 1 1	1 1 1 1	1 1 1 1 1
Dioxane Dipentene Dow Corning DC200, 510,550,560,FC1265 Dowtherm A,E	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	Glue Glycerin Glycerin, Glycerol Glycols Grease	3 1 0 1 1	2 2 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1 1	Lead Nitrate Lime Lime Bleach Lime Sulpher Linoleic Acid	0 0 0 0	1 2 3 3 0	1 1 2 2 0	1 1 2 0	0 1 0 2 1
Duro AW-16,31 Duro FR-HD Ethanol Ethanolamine Ethers	1 1 1 1 1	1 1 3 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	Green Sulfate Liquors Gulf-FR Fluid Gulf-FR Fluid P37,P40,P43,P45-P47 Gulf, FR Fluid	1	1 1 1	1 1 1	1 1 1	1 1	Linseed Oil Lindol HF Lubricating Oils, Petroleum Magnesium Chloride	1 1 2	1 1 3	1 1 1 2	1 1 1 1	1 1 1 1
Ethyl Acetate Ethyl Acetoacetate Ethyl Acrylate Ethyl Alcohol Ethyl Benzene	1 1 0 2 1	1 1 1 1 1	1 1 1 1	1 1 1 1 1	1 0 1	G150,G100,G250,G200 Heptane n-Hexaldehyde Hexane Hexane	1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1 1	Magnesium Hydroxide Magnesium Sulfate Malic Acid Mercuric Chloride Mercury	0 1 0 3 3	1 2 2 3 1	1 1 2 1 1	1 1 1 1	1 1 1 1
Ethyl Cellulose Ethyl Chloride Ethyl Dichloride Ethyl Ether Ethyl Mercaptan	1 2 1 1 0	1 2 0 2 2	1 1 0 1 0	1 1 0 1 0	1 1 1 1	Hexyl Alcohol HF-20 Houghto-Safe 271 to 640 Houghto-Safe 5046, 5045W	2 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1	Methanol Mesityl Oxide Methyl Acetate Methyl Acrylate Methyl Alcohol	1 1 1 1 2	0 1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 0 1
Ethyl Pentochlorobenzene Ethyl Silicate Ethylene Chloride Ethylene Chlorohydrin Ethylene Diamine	1 1 2 0 1	2 1 2 0 0	1 1 1 0 0	1 1 1 0 0	1 1 1 1 1	Houghto-Safe 1010, 1055,1115,1120,1130 Hul-E-Mul Hydrafluid 760 Hydrobromic Acid	1 1 1 0	1 1 1 1	1 1 1	1 1 1 1	1 1 1	Methyl Bromide Methyl Butyl Ketone Methyl Chloride Methylene Chloride Methyl Ethyl Ketone	1 1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1	1 0 1 1 1
Ethylene Glycol Fatty Acids Ferric Chloride Ferric Nitrate Ferric Sulfate	1 0 3 0 3	2 0 3 3 3	1 1 3 1 1	1 1 3 1 1	1 1 1 1	Hypo Hydraulic Oil, Petroleum Hydrochloric Acid, 15% Hydrochloric Acid 37% Hydrochloric Acid	0 1 3 3 3	0 1 3 3 3	1 1 3 3 1	1 1 3 3 1	1 1 1 1 1	Methyl Formate Methyl Isobutyl Ketone Methyl Methacrylate Methyl Salicylate MIL-L-2104 & 2104B	1 1 0 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1

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MIL-F-7083 MIL-H-5606 MIL-L-7808 MIL-O-6083 Milk	3 1 1 1 1	1 1 1 1 3	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	Pine Oil Plating Solution, Chrome Potassium Acetate Potassium Chloride	0 0 0 3	1 0 0 2	1 3 1 2	1	0 1 1	Soybean Oil Stannic Chloride Steam Stearic Acid Stoddard Solvent	0 3 2 3 1		1 0 1 2 1	1 0 1 1 1 1	1 1 1 1 1 1
Mineral Oil Monochlorobenzene Monethanolamine Morpholine (pure additive)	1 1 1 0	1 1 1 0	1 1 1 1	1 1 1 1	1 1 0	Potassium Cyanide Potassium Dichromate Potassium Hydroxide, 30% Potassium Nitrate Potassium Sulfate	3 0 3 2 2	2 0 3 3 2	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	Styrene Sucrose Solution Sulfur 200°F Sulfur Chloride Sulfur Dioxide	2 0 3 3 1	2 1 2 3 2	0 1 2 3 1	2 1 1 2 1	1 1 1 1
Mine Guard FR Mobile HFA Mine Water Naphtha Naphthalene	1 1 0 1 0	1 1 1 2 0	1 1 1 1 1	1 1 1 1 1	1 1 0 1	Progallic Acid Propane Propyle Acetate Propyl Alcohol Pydraul 60,F9,150,625,	0 1 1 2	2 1 1 1 1	1 1 1 1	1 1 1 1	0 1 0 1	Sulfur Trioxide Sulfuric Acid 10% Sulfuric Acid 98% Sulfuric Acid, Furning Sulfurous Acid 10%	0 3 3 3 3	2 3 2 2 3	2 3 3 0 2	2 2 1 1	1 1 1 1 1
Naphthenic Acid Natural Gas Nickel Acetate Nickel Chloride Nickel Sulfate	0 2 1 3 3	0 1 1 3 0	2 1 1 2 2	1 1 1 2 1	1 1 1 1	& "E" Series Pyridine 50% Pydraul A-200 Pydraul 90,135,230, 312,540, & "C" Series	1 1 1 1	1 0 1	1 1 1 1	1 1 1 1	1 1 1	Sulfurous Acid 75% Sun Minesafe, Sun Safe Tannic Acid 10% Tar, Bituminous	3 1 3 2	3 1 2 1	3 1 1 1	1 1 1	1 1 1 1
Niter Coke Nitric Acid, all concentration Nitric Acid, Red Fuming	3	3 3 3	2 2 2	2 2	1 1	Pyro Gard CDR Pyro Gard 43 Pyro Guard 53,55,51,42 Red Oil Rosin	1 1 1 2 1	1 1 1 2 3	1 1 1 2 1	1 1 1 1 1	1 1 1 1	Tartaric Acid Tellus (Shell) Terpineol Texaco 760 Hydrafluid	0 1 0	0 1 0 1	2 1 0 1	2 1 0 1	1 1 1
Nitrobenzene Nitroethane Nitrogen, Gaseous Nitrogen Tetroxide NutoH	1 1 1 0	1 0 1 0 1	1 1 0 1	1 1 2 1	1 1 1 0	Safco-Sa fe T10,T20 Salicylic Acid Salt Water Santosafe W/G 15 to 30 Santosafe —3-0	3 0 3 4 1	3 0 3 1 1	1 1 3 1 1	1 1 1 1 1	1 0 1 1	Texaco 766,763 (200-300) Tin Titanium Tetrachloride Toluene	0 3 3 1	0 3 1 1	1 3 2 1	1 3 2 1	1 1 0 1
Nyvac 20,30,200FR Nyvac Light n- 0 ctane Octyl Alcohol Oil SAE	1 1 1 2 1	1 1 1 1 1	1 1 1 1	1 1 1 1	1 1 0 1	Sewage Shell IRUS 902,905 Shell FRM Silicone Greases Silicone Oils	1 1 1 1 1	3 1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 0 0	Toluene Diisocyanate Transformer Oil Transmission Fluid, Type A Tributoxyethyl Phosphate	0 1 1 0	0 1 1 1	0 1 1 0	0 1 1	0 1 1
Oleic Acid Oleum Spirits Olive Oil Oxalic Acid Oxygen, Gaseous	2 0 2 3 1	2 3 2 3 1	2 0 2 2 1	1 0 1 1 1	1 1 1 1	Silver Nitrate Skydol 500 & 7000 Soap Solutions Soda Ash Sodium Acetate	2 0 1 2 1	2 1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 0	Tributyl Phosphate Trichloroethylene Tricresyl Phosphate Tung Oil Turpentine	0 1 0 1 2	1 3 1 1 0	0 0 0 1 1	0 1 2 1 1	1 1 1 1
O-148 (NATO) Ozone Paint Palmitic Acid Peanut Oil	1 1 3 1	1 0 1 1	1 1 2 1	1 1 1 1	1 1 1 1	Sodium Bicarbonate Sodium Bisulfite Sodium Borate Sodium Chloride Sodium Cyanide	2 0 0 3 3	2 1 1 2 2	1 1 1 2 1	1 1 1 1	1 1 1 1	UCON Hydrolubes Urea Solution 50% Varnish Vegetable Oils Versilube	1 0 2 0 1	1 1 2 1	1 1 1 1	1 1 1 1 1	1 1 0 1
Perchloric Acid Perchloroethylene Petroleum Petroleum Ether Petroleum Oils	0 1 1 1	0 1 1 1 1	2 1 1 1 1	1 1 1 1	1 1 1 1 1	Sodium Hydroxide 40% Sodium Hypochlorite Sodium Metaphosphate Sodium Nitrate Sodium Perborate	3 3 2 3	2 3 3 1 3	1 3 1 2 1	1 2 1 2 1	1 1 1 1	Vinegar VInyl Chloride Vital 4300,5310 W ater Whiskey, Wines	3 1 1 3	3 2 1 2 3	2 1 1 1 2	1 1 1 1	1 1 1 1 1
Phenol Phorone Phosphate Esters Picric Acid Pinene	3 1 1 3 1	3 1 1 3 1	1 1 1 1	1 1 1 1	1 1 1 1	Sodium Peroxide Sodium Phosphate Sodium Silicate Sodium Sulfate Sodium Thiosulfate	3 3 1 1 3	3 0 1 1 3	1 1 1 1	1 1 1 1	1 1 1 1	Xylene (Xylol) Zinc Acetate Zinc Chloride Zinc Sulfate	0 1 3 3	2 1 3 3	2 1 2 2	2 1 1 1 1	1 1 1 1