zenova

Насосы с магнитной муфтой CQB · 13.11.2026

ХИМИЧЕСКАЯ СТОЙКОСТЬ

материалов насосов CQB

Материал	Где стоит в насосе и какая марка
FEP	футеровка корпуса, оболочка магнита рабочего колеса, задняя стенка рабочей камеры (поз. 1, 5, 8)
FKM	уплотнительное кольцо (поз. 2)
SiC	статичное уплотнительное кольцо (поз. 3); вал — вариант исполнения. Марка: реакционно-спечённый SiC, 20 % свободного кремния
SiN	втулка вала (поз. 6); вал — вариант исполнения. Марка: реакционно-связанный Si_3N_4, без спекающих добавок
RPTFE	вращающееся уплотнительное кольцо (поз. 4), вал (поз. 7)

A стоек **B** ограниченно стоек **C** не рекомендуется **D** быстрое разрушение **—** нет данных или данные противоречат

Основные среды

Среда	Концентрация	FEP	FKM	SiC	SiN	RPTFE
Неорганические кислоты						
Соляная HCl	до 37 %	A	A	A	A	A
Серная H_2SO_4	до 70 %	A	A	—	A	A
Серная H_2SO_4	70–98 %	A	A	C	A	A
Олеум	—	A	C	—	—	A
Азотная HNO_3	до 50 %	A	A	—	A	A
Азотная HNO_3	50–70 %	A	C	A	A	A
Азотная HNO_3, дымящая	—	A	B	—	—	A
Фосфорная H_3PO_4	до 50 %	A	A	—	A	A
Фосфорная H_3PO_4	50–85 %	A	A	A	—	A
Плавиковая HF	до 20 %	A	A	—	C	A
Плавиковая HF	20–50 %	A	B	—	C	A
Кремнефтористоводородная H_2SiF_6	до 20 %	A	B	—	—	A
Хромовая	до 50 %	A	B	—	—	A
Царская водка	—	A	B	—	—	A
Органические кислоты						
Уксусная	до 80 %	A	B	—	A	A
Уксусная, ледяная	100 %	A	D	A	A	A
Муравьиная	—	A	D	A	A	A
Лимонная	растворы	A	A	—	A	A
Щавелевая	растворы	A	A	—	A	A
Щёлочи						
Гидроксид натрия NaOH	до 20 %	A	C	C	C	A
Гидроксид натрия NaOH	20–50 %	A	D	D	C	A
Гидроксид калия KOH	до 50 %	A	D	D	C	A
Аммиак водный (NH_4OH)	до 25 %	A	D	—	A	A
Окислители, соли, вода						
Гипохлорит натрия NaOCl	до 20 %	A	A	—	—	A
Пероксид водорода H_2O_2	до 50 %	A	A	—	—	A
Хлорное железо $FeCl_3$	растворы	A	A	—	—	A
Хлорная вода	насыщ.	A	A	—	—	A
Морская вода	—	A	A	A	—	A

Полный перечень сред

Среда	FEP	FKM	SiC	SiN	RPTFE
Acetaldheyde	A	D	—	—	A
Acetamide	A	B	—	—	A
Acetate Solvent A	D	—	—	—	D
Acetic Acid	A	B	—	—	A
Acetic Acid 20%	A	B	—	A	A
Acetic Acid 80%	A	B	—	A	A
Acetic Acid, Glacial	A	D	A	A	A
Acetic Anhydride	A	D	—	—	A
Acetone	A	D	—	—	A
Acetonitrile	—	—	—	—	—
Acetophenone	A	D	—	—	A
Acetyl Bromide	A	—	—	—	A
Acetyl Chloride (dry)	A	A	—	—	A
Acetylene	A	A	—	—	A
Acryloacidnitrile	A	D	—	—	A
Adipic Acid	A	A	—	—	A
Alchohols: Amyl	A	A	—	—	A
Alcohols: Butyl	A	A	—	—	A
Alcohols: Benzyl	A	A	—	—	A
Alcohols: Diacetone	A	D	—	—	A
Alcohols: Ethyl	A	A	—	—	A
Alcohols: Hexyl	A	C	—	—	A
Alcohols: Isobutyl	A	A	—	—	A
Alcohols: Isopropyl	A	A	—	—	A
Alcohols:Methyl	A	C	—	—	A
Alcohols:Octyl	—	B	—	—	—
Alcohols: Propyl	A	A	—	—	A
Alkazene	A	A	—	—	A
Allyl	—	—	—	—	—
Allyl Chloride	—	—	—	—	—
Aluminum Acetate	A	D	—	—	A
Aluminum Chloride	A	A	—	—	A
Aluminum Chloride 20%	A	A	—	—	A
Aluminum Fluoride	A	A	—	—	A
Aluminum Hydroxide	A	A	—	—	A
Aluminum Nitrate	A	A	—	—	A
Aluminum Phosphate	A	A	—	—	A
Aluminum Potassium Sulfate 10%	A	A	—	—	A
Aluminum Potassium Sulfate 100%	A	A	—	—	A
Aluminum Sulfate	A	A	—	—	A
Alum-Nh3-Cr-K	A	D	—	—	A
Alums	A	A	—	—	A
Amines	A	D	—	—	A
Ammonia 10%	A	D	—	A	A
Ammonia Gas (Hot)	A	D	—	—	A
Ammonia Gas (Cold)	—	A	—	—	—
Ammonia Nitrate	A	D	—	—	A
Ammonia Water	A	D	—	A	A
Ammonia, anhydrous	A	D	—	—	A
Ammonia, liquid	A	D	—	—	A
Ammonium Acetate	A	A	—	—	A
Ammonium Bifluoride	A	A	—	—	A
Ammonium Carbonate	A	A	—	—	A
Ammonium Caseinate	—	—	—	—	—
Ammonium Chloride	A	A	—	—	A
Ammonium Fluoride	—	—	—	—	—
Ammonium Hydroxide	A	D	—	A	A
Ammonium Nitrate	A	A	—	—	A
Ammonium Nitrite	A	—	—	—	A
Ammonium Oxalate	—	—	—	—	—
Ammonium Persulfate	A	A	—	—	A
Ammonium Phosphate, Dibasic	A	A	—	—	A
Ammonium Phosphate,	A	A	—	—	A
Ammonium Phosphate, Tribasic	A	A	—	—	A
Ammonium Sulfate	A	A	—	—	A
Ammonium Sulfite	A	D	—	—	A
Ammonium Thisulfate	—	—	—	—	—
Amyl Acetate	A	D	—	—	A

Среда	FEP	FKM	SiC	SiN	RPTFE
Amyl Alcohol	A	A	—	—	A
Amyl Chloride	A	B	—	—	A
Amyl-Alcohol	A	B	—	—	A
Amyl-Borate	A	A	—	—	A
Amyl-Chloronapthalene	A	A	—	—	A
Amyl-Napthalene	—	—	—	—	—
Aniline	A	A	—	—	A
Aniline Dyes	A	A	—	—	A
Aniline Hydrochloride	A	A	—	—	A
Animal Fats	A	A	—	—	A
Ansul Ether	A	D	—	—	A
Antifreeze	—	A	—	—	—
Antymoni Trichloride	A	A	—	—	A
Aqua Regia (80% HCl, 20%HNO3)	A	B	—	—	A
Arochlor 1248	A	A	—	—	A
Aromatic Hydrocarbons	A	A	—	—	A
Arsenic Acid	A	A	—	—	A
Arsenic Salts	—	A	—	—	—
Arsenic Trichloride	A	D	—	—	A
Askarel	A	A	—	—	A
Asphalt	A	A	—	—	A
Barium Carbonate	A	A	—	—	A
Barium Chloride	A	A	—	—	A
Barium Cyanide	A	A	—	—	A
Barium Hydroxide	A	A	—	—	A
Barium Nitrate	A	A	—	—	A
Barium Sulfate	A	A	—	—	A
Barium Sulfide	A	A	—	—	A
Beer	A	A	—	—	A
Beet Sugar Liquids	A	A	—	—	A
Beet Sugar Liquors	A	A	—	—	A
Benzaldehyde	A	D	—	—	A
Benzene	A	A	—	—	A
Benzene Sulfonic Acid	A	A	—	—	A
Benzol	A	A	—	—	A
Benzonic Acid	A	A	—	—	A
Benzonitrile	A	—	—	—	A
Benzyl Benzoate	A	A	—	—	A
Benzyl Chloride	—	A	—	—	—
Bibutyl Sebecate	A	B	—	—	A
Blast Furnace Gas	—	—	—	—	—
Bleaching Liquors	A	A	—	—	A
Borax (Sodium Borate)	A	A	—	—	A
Bordeaux Mixture	A	A	—	—	A
Boric Acid	A	A	—	—	A
Brewery Slop	—	A	—	—	—
Brine	A	A	—	—	A
Brnzol, Alcohol	—	—	—	—	—
Bromide-Trifluoride	A	D	—	—	A
Bromine	A	A	—	—	A
Bromine-Anhydrous	A	A	—	—	A
Bromine-Vapor	—	—	—	—	—
Bromine-Water	A	A	—	—	A
Bromobenzene	A	B	—	—	A
Bunker Oil	A	A	—	—	A
Butadiene	A	B	—	—	A
Butane	A	A	—	—	A
Butanol (Butyl Alcohol)	A	A	—	—	A
Butraldehyde	A	D	—	—	A
Butter	A	A	—	—	A
Buttermilk	A	A	—	—	A
Buttyl Phthalate	A	C	—	—	A
Butyl Acetyl Ricinoleate	A	A	—	—	A
Butyl Acrylate	A	D	—	—	A
Butyl Alcohol	—	—	—	—	—
Butyl Amine	A	D	—	—	A
Butyl Benzoate	A	A	—	—	A
Butyl Carbitol	A	A	—	—	A
Butyl Cellosolve	A	C	—	—	A
Butyl Chloride	—	—	—	—	—

Среда	FEP	FKM	SiC	SiN	RPTFE
Butyl Ether	A	D	—	—	A
Butyl Oleate	A	A	—	—	A
Butyl Stearate	A	A	—	—	A
Butylacetate	A	D	—	—	A
Butylene	A	A	—	—	A
Butyric Acid	A	B	—	—	A
Caffiene Citrate	—	—	—	—	—
Calcium Bisulfate	—	—	—	—	—
Calcium Bisulfide	A	A	—	—	A
Calcium Bisulfite	A	A	—	—	A
Calcium Carbonate	A	A	—	—	A
Calcium Chlorate	A	A	—	—	A
Calcium Chloride	A	A	—	—	A
Calcium Hydroxide	A	A	—	—	A
Calcium Hypochlorite	A	A	—	—	A
Calcium Nitrate	A	A	—	—	A
Calcium Oxide	A	B	—	—	A
Calcium Sulfate	A	A	—	—	A
Calcium Sulfide	A	A	—	—	A
Calgon	—	A	—	—	—
Cane Juice	A	A	—	—	A
Cane Sugar Liquors	A	A	—	—	A
Carbamate	A	A	—	—	A
Carbitol	A	A	—	—	A
Carbolic Acid (Phenol)	A	A	—	—	A
Carbon Bisulfide	—	A	—	—	—
Carbon Dioxide (dry)	A	B	—	—	A
Carbon Dioxide (wet)	A	B	—	—	A
Carbon Disulfide	A	A	—	—	A
Carbon Monoxide	A	A	—	—	A
Carbon Tetrachloride	A	A	—	—	A
Carbon Tetrachloride (dry)	A	A	—	—	A
Carbon Tetrachloride (wet)	A	—	—	—	A
Carbonated Water	—	A	—	—	—
Carnobic Acid	A	A	—	—	A
Catsup	—	A	—	—	—
Cellosolve	A	B	—	—	A
Cellosolve Acetate	A	A	—	—	A
Cellulube	A	A	—	—	A
Chloracetic Acid	A	D	—	—	A
Chloric Acid	A	—	—	—	A
Chlorinated Glue	—	A	—	—	—
Chlorine (dry)	A	A	—	—	A
Chlorine Dioxide	A	A	—	—	A
Chlorine Gas (Wet)	—	—	—	—	—
Chlorine Gas (Dry)	—	—	—	—	—
Chlorine Trifluoride	A	C	—	—	A
Chlorine Water	A	A	—	—	A
Chlorine(Wet)	A	A	—	—	A
Chlorine, Anhydrous Liquid	A	A	—	—	A
Chloroacetic Acid	A	D	—	—	A
Chloroacetone	A	B	—	—	A
Chlorobenzene (Mono)	B	A	—	—	B
Chlorobromometene	A	A	—	—	A
Chlorobutadiene	A	A	—	—	A
Chlorododecane	A	A	—	—	A
Chloroform	A	A	—	—	A
Chloronapthalene	A	A	—	—	A
Chlorosulfonic Acid	A	D	—	—	A
Chlorotoluene	A	A	—	—	A
Chocolate Syrup	A	A	—	—	A
Chrome Plating Solutions	A	A	—	—	A
Chromic Acid 10%	A	B	—	—	A
Chromic Acid 30%	A	B	—	—	A
Chromic Acid 5%	A	B	—	—	A
Chromic Acid 50%	A	B	—	—	A
Chromium Alum	—	—	—	—	—
Chromium Salts	—	—	—	—	—
Cider	—	A	—	—	—
Citric Acid	A	A	—	A	A

Среда	FEP	FKM	SiC	SiN	RPTFE
Citric Oils	A	A	—	—	A
Clorox ® (Bleach)	A	A	—	—	A
Cobalt Chloride(2n)	A	A	—	—	A
Coffee	—	A	—	—	—
Coke Oven Gas	A	A	—	—	A
Copper Acetate	A	—	—	—	A
Copper Chloride	A	A	—	—	A
Copper Cyanide	A	A	—	—	A
Copper Fluoborate	—	A	—	—	—
Copper Fluoride	—	—	—	—	—
Copper Nitrate	A	A	—	—	A
Copper Sulfate >5%	A	A	—	—	A
Copper Sulfate 5%	A	A	—	—	A
Cream	A	A	—	—	A
Cresols	—	A	—	—	—
Cresylic Acid	A	A	—	—	A
Crude Oil	—	—	—	—	—
Cupric Acid	A	A	—	—	A
Cyclohexane	A	A	—	—	A
Cyclohexanol	A	A	—	—	A
Cyclohexanone	A	D	—	—	A
Cyniac Acid	A	A	—	—	A
Decane	A	A	—	—	A
Deklin	A	A	—	—	A
Denaturated Alcohol	A	B	—	—	A
Detergents	A	A	—	—	A
Developing Fluids	A	A	—	—	A
Diacetone	A	D	—	—	A
Diacetone Alcohol	A	D	—	—	A
Dibenzyl Ether	A	C	—	—	A
Dibenzyl Sebecate	A	B	—	—	A
Dibutyl Amine	B	D	—	—	B
Dibutyl Ether	A	C	—	—	A
Dibutyl Phthalate	A	B	—	—	A
Dichloro Isopropyl Ether	A	C	—	—	A
Dichlorobenzyene	—	—	—	—	—
Dichloroethane	A	C	—	—	A
Dichloroethylene	—	—	—	—	—
Diclorobenezene	A	C	—	—	A
Dicyclohexylamine	A	B	—	—	A
Diesel Fuel	A	A	—	—	A
Diethyl Benzene	A	A	—	—	A
Diethyl Ether	A	D	—	—	A
Diethyl Sebecate	A	A	—	—	A
Diethylamine	D	A	—	—	D
Diethylene Glycol	A	A	—	—	A
Diisobutylene	A	A	—	—	A
Diisopropyl Benzene	A	A	—	—	A
Diisopropyl Ketone	A	D	—	—	A
Dimethyl Aniline	A	C	—	—	A
Dimethyl Formamide	A	A	—	—	A
Dimethyl Phthalate	A	C	—	—	A
Dinitrotoluene	A	B	—	—	A
Dioctyl Phthalate	A	A	—	—	A
Dioctyl Sebecate	A	B	—	—	A
Dioxane	A	D	—	—	A
Dioxolane	A	B	—	—	A
Dipentene	A	A	—	—	A
Diphenyl	A	A	—	—	A
Diphenyl Oxide	A	A	—	—	A
Disodium Phosphate	—	—	—	—	—
Dowtherm Oil	A	A	—	—	A
Dry Cleaning Fluids	A	A	—	—	A
Dyes	—	A	—	—	—
Ehtyl Chloride	A	A	—	—	A
Epichlorohydrine	A	A	—	—	A
Epsom Salts (Magnesium)	A	A	—	—	A
Etanol	A	A	—	—	A
Ethane	A	A	—	—	A
Ethanolamine Ether	A	D	—	—	A

Среда	FEP	FKM	SiC	SiN	RPTFE
Ethyl Acetate	A	C	—	—	A
Ethyl Acetoacetate	A	A	—	—	A
Ethyl Alcohol Ethanol	—	—	—	—	—
Ethyl Benzene	A	A	—	—	A
Ethyl Benzoate	A	A	—	—	A
Ethyl Cellosolve	A	B	—	—	A
Ethyl Cellulose	A	A	—	—	A
Ethyl Chlorocarbonate	A	A	—	—	A
Ethyl Chloroformate	A	A	—	—	A
Ethyl Ether	A	D	—	—	A
Ethyl Formate	A	C	—	—	A
Ethyl Mercaptan	A	B	—	—	A
Ethyl Oxalate	A	B	—	—	A
Ethyl Pentochlorobenzene	A	A	—	—	A
Ethyl Silicate	A	A	—	—	A
Ethyl Sulfate	A	A	—	—	A
Ethylene	A	A	—	—	A
Ethylene Bromide	A	A	—	—	A
Ethylene Chloride	A	B	—	—	A
Ethylene Chlorohydrin	A	A	—	—	A
Ethylene Diamine	A	B	—	—	A
Ethylene Dichloride	A	A	—	—	A
Ethylene Glycol	A	A	—	—	A
Ethylene Oxide	A	D	—	—	A
Ethylene Trichloride	A	A	—	—	A
Fatty Acids	A	A	—	—	A
Ferric Chloride	A	A	—	—	A
Ferric Nitrate	A	A	—	—	A
Ferric Sulfate	A	A	—	—	A
Ferrous Chloride	A	A	—	—	A
Ferrous Sulfate	A	B	—	—	A
Fish Oil	A	A	—	—	A
Fluoboric Acid	A	B	—	—	A
Fluorinate Cyclic Ethers	—	—	—	—	—
Fluorine	D	C	—	—	D
Fluoro Carbon Oils	A	A	—	—	A
Fluorobenzene	A	A	—	—	A
Fluorolube	A	A	—	—	A
Fluosilicic Acid	A	B	—	—	A
Formaldehyde 100%	A	D	—	—	A
Formaldehyde 40%	A	A	—	—	A
Formic Acid	A	D	A	A	A
Freon ® 11	A	B	—	—	A
Freon 113	A	B	—	—	A
Freon 12	A	B	—	—	A
Freon 218	A	A	—	—	A
Freon 22	A	D	—	—	A
Freon Bf	A	—	—	—	A
Freon Mf	A	—	—	—	A
Freon T P35	A	A	—	—	A
Freon T Wd602	A	A	—	—	A
Freon Ta	A	C	—	—	A
Freon Tc	A	A	—	—	A
Freon TF	A	B	—	—	A
Freon Tmc	A	A	—	—	A
Freon112	A	A	—	—	A
Freon114	A	A	—	—	A
Freon114b2	A	B	—	—	A
Freon115	A	B	—	—	A
Freon13	A	A	—	—	A
Freon13b1	A	A	—	—	A
Freon142b	A	D	—	—	A
Freon152a	A	D	—	—	A
Freon21	A	A	—	—	A
Freon31	A	D	—	—	A
Freon32	A	D	—	—	A
Freon502	A	B	—	—	A
Freonc316	A	A	—	—	A
Freonc318	A	A	—	—	A
Fruit Juice	A	A	—	—	A

Среда	FEP	FKM	SiC	SiN	RPTFE
Fuel Oils	B	A	—	—	B
Fumaric Acid	A	A	—	—	A
Furan	A	C	—	—	A
Furan Resin	A	D	—	—	A
Furfural	A	D	—	—	A
Gallic Acid	B	A	—	—	B
Gasoline (high-aromatic)	B	A	—	—	B
Gasoline, leaded, ref.	A	A	—	—	A
Gasoline, unleaded	A	A	—	—	A
Gelatin	A	A	—	—	A
Glucose	A	A	—	—	A
Glue, P.V.A.	A	B	—	—	A
Glycerin	A	A	—	—	A
Glycolic Acid	A	A	—	—	A
Glycols	A	A	—	—	A
Gold Monocyanide	D	A	—	—	D
Grape Juice	A	A	—	—	A
Grease	A	A	—	—	A
Green Sulfate Liquor	A	A	—	—	A
Halowax Oil	A	A	—	—	A
Heptane	A	A	—	—	A
Hexane	A	A	—	—	A
Honey	A	A	—	—	A
Hydraulic Oil (Petro)	A	A	—	—	A
Hydraulic Oil (Synthetic)	A	A	—	—	A
Hydraulic Oils (Petroleum)	A	A	—	—	A
Hydraulic Oils(Synthetic)	—	A	—	—	—
Hydrazine	A	A	—	—	A
Hydrobromic Acid 100%	A	A	—	—	A
Hydrobromic Acid 20%	—	A	—	—	—
Hydrochloric Acid 10%	A	A	A	A	A
Hydrochloric Acid 38%	A	A	A	A	A
Hydrochloric Acid 37%	A	A	A	A	A
Hydrochloric Acid, Dry Gas	A	—	—	—	A
Hydrocyniac Acid	A	A	—	—	A
Hydrocyniac Acid (Gas 10%)	A	A	—	—	A
Hydrofluoric Acid 100%	A	B	—	—	A
Hydrofluoric Acid 20%	A	A	—	C	A
Hydrofluoric Acid 50%	A	B	—	C	A
Hydrofluoric Acid 75%	A	B	—	—	A
Hydrofluosilicic 20%	A	B	—	—	A
Hydrofluosilicic Acid 100%	A	A	—	—	A
Hydrogen Gas	A	A	—	—	A
Hydrogen Peroxide 5%	A	A	—	—	A
Hydrogen Peroxide 10%	A	A	—	—	A
Hydrogen peroxide 100%	A	A	—	—	A
Hydrogen Peroxide 30%	A	A	—	—	A
Hydrogen Peroxide 50%	A	A	—	—	A
Hydrogen Sulfide (acqua)	A	D	—	—	A
Hydrogen Sulfide (dry)	A	D	—	—	A
Hydrogen Sulfide (Wet) (Cold)	A	A	—	—	A
Hydrogen Sulfide (Wet) (Hot)	A	B	—	—	A
Hydroquinone	A	B	—	—	A
Hydroxyacetic Acid 70%	A	A	—	—	A
Hypochlorous Acid	A	A	—	—	A
Ink	A	A	—	—	A
Iodine	A	A	—	—	A
Iodine (in alcohol)	—	—	—	—	—
Iodine Pentafluoride	A	D	—	—	A
Iodoform	C	—	—	—	C
Isobutyl Alcohol	—	—	—	—	—
Isooctane	A	A	—	—	A
Isophorone	A	D	—	—	A
Isopropyl Acetate	A	D	—	—	A
Isopropyl Chloride	A	B	—	—	A
Isopropyl Ether	A	D	—	—	A
Isotane	—	A	—	—	—
Jet Fuel (JP3, JP4, JP5)	A	A	—	—	A
Kerosene	A	A	—	—	A
Ketones	A	D	—	—	A

Среда	FEP	FKM	SiC	SiN	RPTFE
Lacquer Thinners	A	D	—	—	A
Lacquers	A	D	—	—	A
Lactic Acid	A	A	—	—	A
Lard	A	A	—	—	A
Latex	A	A	—	—	A
Lead Acetate	A	D	—	—	A
Lead Nitrate	A	A	—	—	A
Lead Sulfamate	B	A	—	—	B
Ligroin	A	A	—	—	A
Lime	A	A	—	—	A
Lime Bleach	A	A	—	—	A
Lime Sulfur	A	A	—	—	A
Lindol	A	B	—	—	A
Linoleic Acid	A	B	—	—	A
Liquefied Petroleum Gas	A	A	—	—	A
Lithium Chloride	A	A	—	—	A
Lithium Hydroxide	A	—	—	—	A
Lubricants	A	A	—	—	A
Lubricating Oils (Petroleum)	A	A	—	—	A
Lye: Ca(OH)2 Calcium Hydroxide	A	B	—	—	A
Lye: KOH Potassium Hydroxide	A	B	—	—	A
Lye: NaOH Sodium Hidroxide	A	B	—	—	A
Magnesium Bisulfate	A	—	—	—	A
Magnesium Carbonate	A	A	—	—	A
Magnesium Chloride	A	A	—	—	A
Magnesium Hydroxide	A	A	—	—	A
Magnesium Nitrate	A	A	—	—	A
Magnesium Oxide	A	C	—	—	A
Magnesium Sulfate (Epsom Salts)	A	A	—	—	A
Maleic Acid	A	A	—	—	A
Maleic Anhydride	A	A	—	—	A
Malic Acid	A	A	—	—	A
Manganese Sulfate	A	A	—	—	A
Mash	—	A	—	—	—
Mayonnaise	A	A	—	—	A
Mehtyl Butyl Ketone	—	D	—	—	—
Melamine	A	A	—	—	A
Mercuric Chloride (dilute)	A	A	—	—	A
Mercuric Cyanide	B	A	—	—	B
Mercurous Nitrate	A	A	—	—	A
Mercury	A	A	—	—	A
Mesityl Oxide	A	D	—	—	A
Methane	A	A	—	—	A
Methanol (Methyl Alcohol)	A	C	—	—	A
Methyl Acetate	A	D	—	—	A
Methyl Acetate	A	D	—	—	A
Methyl Acrylate	—	D	—	—	—
Methyl Alcohol 10%	A	C	—	—	A
Methyl Bromide	A	A	—	—	A
Methyl Cellosolve	A	D	—	—	A
Methyl Chloride	A	A	—	—	A
Methyl Cyclopentane	A	A	—	—	A
Methyl Dichloride	—	A	—	—	—
Methyl Ethyl Ketone	A	D	—	—	A
Methyl Ethyl Ketone Peroxide	—	D	—	—	—
Methyl Formate	A	D	—	—	A
Methyl Isobutyl Ketone	A	D	—	—	A
Methyl isopropyl Ketone	A	D	—	—	A
Methyl Methacrylate	—	D	—	—	—
Methyl Oleate	A	B	—	—	A
Methyl Salicylate	A	B	—	—	A
Methylacrylic Acid	A	B	—	—	A
Methylamine	A	D	—	—	A
Methylene Chloride	A	B	—	—	A
Milk	A	A	—	—	A
Mineral Spirits	A	A	—	—	A
Molasses	A	A	—	—	A
Mono, Di, Tribasic	—	A	—	—	—
Monobromoro Benzene	—	—	—	—	—
Monochloroacetic acid	A	C	—	—	A

Среда	FEP	FKM	SiC	SiN	RPTFE
Monochlorobenzene	A	A	—	—	A
Monoethanolamine	A	D	—	—	A
Monomethyl Aniline	A	C	—	—	A
Monomethyl Ether	A	A	—	—	A
Monovynil Acetylene	A	A	—	—	A
Morpholine	A	—	—	—	A
Motor Oil	A	—	—	—	A
Mustard	A	D	—	—	A
N Hexaldehyde	A	C	—	—	A
N Hexene 1	A	A	—	—	A
N Octane	A	A	—	—	A
Naphtha	B	A	—	—	B
Naphthalene	A	A	—	—	A
Napthenic Acid	A	A	—	—	A
Natural Gas	A	A	—	—	A
Neatsfoot Oil	A	A	—	—	A
Neville Acid	A	A	—	—	A
Nickel Acetate	A	A	—	—	A
Nickel Chloride	A	A	—	—	A
Nickel Nitrate	A	A	—	—	A
Nickel Sulfate	A	A	—	—	A
Niter Cake	A	A	—	—	A
Nitrating Acid (<1% Acid)	A	—	—	—	A
Nitrating acid (<15% H2SO4)	A	—	—	—	A
Nitrating Acid (<15% HNO3)	A	—	—	—	A
Nitrating Acid (>15% H2SO4)	A	—	—	—	A
Nitric Acid (20%)	A	A	—	A	A
Nitric Acid (50%)	A	A	—	A	A
Nitric Acid (5-10%)	A	A	—	A	A
Nitric Acid (Concentrated)	A	C	A	A	A
Nitric Acid Red Fuming	A	B	—	—	A
Nitro Ethane	A	C	—	—	A
Nitrobenzene	A	B	—	—	A
Nitrobenzine	A	A	—	—	A
Nitrogen Fertilizer	A	—	—	—	A
Nitrogen Tetroxide	A	C	—	—	A
Nitrogen(Gas)	A	A	—	—	A
Nitromethane	A	D	—	—	A
Nitrous Acid	A	B	—	—	A
Nitrous Oxide	A	B	—	—	A
O Dichloro Benzene	—	A	—	—	—
Octachloratoluene	A	A	—	—	A
Octadecane	A	A	—	—	A
Octane	—	—	—	—	—
Oils: Aniline	A	C	—	—	A
Oils: Anise	—	—	—	—	—
Oils: Bay	—	A	—	—	—
Oils: Bone	A	A	—	—	A
Oils: Castor	A	A	—	—	A
Oils: Cinnamon	A	A	—	—	A
Oils: Clove	A	A	—	—	A
Oils: Coconut	A	A	—	—	A
Oils: Cod Liver	A	A	—	—	A
Oils: Corn	A	B	—	—	A
Oils: Cottonseed	A	A	—	—	A
Oils: Creosote	A	A	—	—	A
Oils: Diesel Fuel (20, 30, 40, 50)	A	A	—	—	A
Oils: Fuel (1, 2, 3, 5A, 5B, 6)	A	B	—	—	A
Oils: Ginger	A	A	—	—	A
Oils: Hydraulic Oil (Petro)	A	A	—	—	A
Oils: Hydraulic Oil (Synthetic)	A	A	—	—	A
Oils: Lemon	A	A	—	—	A
Oils: Linseed	A	A	—	—	A
Oils: Mineral	A	A	—	—	A
Oils: Olive	A	A	—	—	A
Oils: Orange	—	A	—	—	—
Oils: Palm	A	A	—	—	A
Oils: Peanut	A	A	—	—	A
Oils: Peppermint	A	A	—	—	A
Oils: Pine	A	A	—	—	A

Среда	FEP	FKM	SiC	SiN	RPTFE
Oils: Rapeseed	A	A	—	—	A
Oils: Rosin	A	A	—	—	A
Oils: sesame Seed	A	A	—	—	A
Oils: Silicone	A	A	—	—	A
Oils: Soybean	A	A	—	—	A
Oils: Sperm (whale)	A	A	—	—	A
Oils: Tanning	—	A	—	—	—
Oils: Tranformer	A	A	—	—	A
Oils: Turbine	A	A	—	—	A
Oleic Acid	A	B	—	—	A
Oleum 100%	A	C	—	—	A
Oleum 25%	A	C	—	—	A
Oleum Spirits	A	A	—	—	A
Oxalic Acid (cold)	A	A	—	A	A
Oxgen Cold	A	A	—	—	A
Oxygen 200 400 F	A	B	—	—	A
Ozone	A	A	—	—	A
Paint Thinner, Duco	A	B	—	—	A
Palmitic Acid	A	A	—	—	A
Paraffin	A	B	—	—	A
Pechloric Acid	A	A	—	—	A
Pentane	A	A	—	—	A
Perchloric Acid 10%	—	—	—	—	—
Perchloric Acid 70%	—	—	—	—	—
Perchloroethylene	A	A	—	—	A
Petrolatum	C	A	—	—	C
Petroleum	A	A	—	—	A
Petroleum Above 250	A	B	—	—	A
Petroleum Below 250	A	A	—	—	A
Phenil (Carbolic Acid)	A	A	—	—	A
Phenol (10%)	A	A	—	—	A
Phenol (Carbolic Acid)	A	A	—	—	A
Phenyl Ethyl Ether	A	C	—	—	A
Phenyl Hydrazine	A	A	—	—	A
Phenylbenzene	A	A	—	—	A
Phorone	A	A	—	—	A
Phosphoric Acid 20%	A	A	—	A	A
Phosphoric Acid 40%	A	A	—	A	A
Phosphoric Acid 40% - 100%	A	A	A	—	A
Phosphoric Acid (crude)	A	A	—	—	A
Potassium Chromate	A	A	—	—	A
Potassium Cupro Cyanide	A	A	—	—	A
Potassium Cyanide Solutions	A	A	—	—	A
Potassium Dichromate	A	A	—	—	A
Potassium Ferricyanide	A	A	—	—	A
Potassium Ferrocynaide	A	A	—	—	A
Potassium Hydroxide (Caustic Potash)	A	B	—	—	A
Potassium Hypochlorite	A	—	—	—	A
Potassium Iodide	A	A	—	—	A
Potassium Nitrate	A	A	—	—	A
Potassium Oxalate	A	—	—	—	A
Potassium Permanganate	A	A	—	—	A
Potassium Sulfate	A	A	—	—	A
Potassium Sulfide	A	A	—	—	A
Producer Gas	A	A	—	—	A
Propane (liquefied)	A	A	—	—	A
Propyl Acetate	A	D	—	—	A
Propyl Alcohol	—	—	—	—	—
Propyl Nitrate	A	C	—	—	A
Propylene	A	A	—	—	A
Propylene Glycol	A	A	—	—	A
Propylene Oxide	A	—	—	—	A
Pydrauls	A	A	—	—	A
Pyranol	A	A	—	—	A
Pyridine	A	D	—	—	A
Pyrogallic Acid	A	A	—	—	A
Pyroligneous Acid	A	A	—	—	A
Pyrrole	A	C	—	—	A
Radiation	A	B	—	—	A
Red Oil	A	A	—	—	A

Среда	FEP	FKM	SiC	SiN	RPTFE
Resorcinal	A	A	—	—	A
Rosins	A	A	—	—	A
Rum	—	A	—	—	—
Rust Inhibitors	—	A	—	—	—
Sal Ammoniac	A	A	—	—	A
Salad Dressings	—	A	—	—	—
Salicyaldehyde	—	—	—	—	—
Salicylic Acid	A	A	—	—	A
Salt Brine (NaCl saturated)	A	A	—	—	A
Sea Water	A	A	A	—	A
Sewage	A	A	—	—	A
Shellac (Bleached)	A	A	—	—	A
Shellac (Orange)	A	A	—	—	A
Silicate Esters	A	A	—	—	A
Silicone	A	A	—	—	A
Silicone Greases	A	A	—	—	A
Silver Bromide	A	—	—	—	A
Silver Chloride	—	—	—	—	—
Silver Cyanide	—	—	—	—	—
Silver Nitrate	A	A	—	—	A
Skydrol 500	A	C	—	—	A
Skydrol 7000	A	B	—	—	A
Soap Solutions	A	A	—	—	A
Soda Ash (see Sodium Carbonate)	A	A	—	—	A
Sodium Acetate	A	D	—	—	A
Sodium Aluminate	A	A	—	—	A
Sodium Benzoate	A	A	—	—	A
Sodium Bicarbonate	A	A	—	—	A
Sodium Bichromate	—	—	—	—	—
Sodium Bisulfate	A	A	—	—	A
Sodium Bisulfite	A	A	—	—	A
Sodium Borate	A	A	—	—	A
Sodium Borate (Borax)	A	A	—	—	A
Sodium Bromide	A	A	—	—	A
Sodium Carbonate	A	A	—	—	A
Sodium Chlorate	A	A	—	—	A
Sodium Chloride	A	A	—	—	A
Sodium Chromate	A	A	—	—	A
Sodium Cyanide	A	A	—	—	A
Sodium Dichromate	—	—	—	—	—
Sodium Ferrocyanide	A	A	—	—	A
Sodium Fluoride	A	A	—	—	A
Sodium Hydrosulfite	A	A	—	—	A
Sodium Hydroxide (20%)	A	C	C	C	A
Sodium Hydroxide (50%)	A	D	D	C	A
Sodium Hydroxide (80%)	A	D	—	—	A
Sodium Hypochlorite (<20%)	A	A	—	—	A
Sodium Hypochlorite (100%)	A	A	—	—	A
Sodium Hyposulfate	A	—	—	—	A
Sodium Metaphosphate	A	A	—	—	A
Sodium Metasilicate	A	A	—	—	A
Sodium Nitrate	A	A	—	—	A
Sodium Nitrite	—	—	—	—	—
Sodium Perborate	A	A	—	—	A
Sodium Peroxide	A	A	—	—	A
Sodium Polyphosphate	A	A	—	—	A
Sodium Silicate	A	A	—	—	A
Sodium Sulfate	A	A	—	—	A
Sodium Sulfide	A	A	—	—	A
Sodium Sulfite	A	A	—	—	A
Sodium Tetraborate	A	A	—	—	A
Sodium Thiosulfate	A	A	—	—	A
Sorghum	—	A	—	—	—
Soy Sauce	—	A	—	—	—
Stannic Chloride	A	A	—	—	A
Stannic Fluoborate	—	A	—	—	—
Stannic Fluoroborate	—	A	—	—	—
Stannous Chloride	A	A	—	—	A
Starch	A	A	—	—	A
Steam 220 300 F	D	D	—	—	D

Среда	FEP	FKM	SiC	SiN	RPTFE
Stearic Acid	A	A	—	—	A
Stoddard Solvent	A	A	—	—	A
Styrene	A	B	—	—	A
Sucrose Solutions	A	A	—	—	A
Sugar (Liquids)	A	A	—	—	A
Sulfate (Liquors)	A	A	—	—	A
Sulfite Liquors	A	A	—	—	A
Sulfur	A	A	—	—	A
Sulfur Chloride	A	A	—	—	A
Sulfur Dioxide	A	D	—	—	A
Sulfur Dioxide (dry)	A	A	—	—	A
Sulfur Hexafluoride	A	A	—	—	A
Sulfur Trioxide	A	A	—	—	A
Sulfur Trioxide Dry	A	A	—	—	A
Sulfuric Acid (<10%)	A	A	—	A	A
Sulfuric Acid (10-50%)	A	A	—	A	A
Sulfuric Acid 75-100%)	A	A	C	A	A
Sulfuril Chloride	A	—	—	—	A
Sulfurous Acid	A	A	—	—	A
Syrup	—	A	—	—	—
Tall Oil	—	—	—	—	—
Tallow	A	A	—	—	A
Tannic Acid	A	A	—	—	A
Tanning Liquors	A	A	—	—	A
Tar, Bituminous	A	A	—	—	A
Tartaric Acid	A	A	—	—	A
Terpineol	A	A	—	—	A
Tertiary Butyl Alcohol	A	B	—	—	A
Tertiary Butyl Catechol	A	A	—	—	A
Tertiary Butyl Mercaptan	A	A	—	—	A
Tetra Bromo Methane	A	A	—	—	A
Tetra Butyl Titanate	A	A	—	—	A
Tetrachloroethane	A	A	—	—	A
Tetrachloroethylene	A	A	—	—	A
Tetraethyl Lead	A	A	—	—	A
Tetrahydrofuran	A	D	—	—	A
Tetralin	A	A	—	—	A
Thionyl Chloride	A	A	—	—	A
Tin Salts	A	A	—	—	A
Titanium Tetrachloride	A	A	—	—	A
Toluene (Toluol)	A	C	—	—	A
Toluene Diisocyanate	A	—	—	—	A
Tomato Juice	A	A	—	—	A
Transformer Oil	A	A	—	—	A
Transmission Fluid Type A	A	A	—	—	A
Triacetin	A	C	—	—	A
Triaryl Phosphate	A	A	—	—	A
Tributoxy Ethyl Phosphate	A	B	—	—	A
Tributyl Mercaptan	A	A	—	—	A
Trichloroacetic Acid	A	C	—	—	A
Trichloroethane	A	A	—	—	A
Trichloroethylene	A	A	—	—	A
Trichloropropane	A	A	—	—	A
Tricresylphosphate	A	A	—	—	A
Triethanol Amine	A	B	—	—	A
Triethyl Aluminum	A	B	—	—	A
Triethyl Borane	A	A	—	—	A
Triethylamine	A	D	—	—	A
Trinitrotoluene	A	C	—	—	A
Trioctyl Phosphate	A	B	—	—	A
Trisodium Phosphate	A	A	—	—	A
Tung Oil	A	B	—	—	A
Turpentine	A	A	—	—	A
Unleaded Gasoline	A	A	—	—	A
Urea	A	A	—	—	A
Uric Acid	A	—	—	—	A
Urine	A	A	—	—	A
Varnish	A	A	—	—	A
Vegetable Juice	A	A	—	—	A
Vinegar	A	A	—	—	A

Среда	FEP	FKM	SiC	SiN	RPTFE
Vinyl Acetate	A	A	—	—	A
Vinyl Chloride	A	A	—	—	A
Water, Acid, Mine	A	A	—	—	A
Water, Delonized	A	A	—	—	A
Water, demineralized, Distilled	A	A	—	—	A
Water, Fresh	A	A	—	—	A
Water, Salt	A	A	A	—	A
Weed Killers	—	A	—	—	—
Whey	A	A	—	—	A
Whiskey & Wines	A	A	—	—	A
White Liquor (Pulp Mill)	A	A	—	—	A
White Water (Paper Mill)	—	A	—	—	—
Xylene	A	B	—	—	A
Zinc Chloride	A	A	—	—	A
Zinc Hydrosulfite	A	—	—	—	A
Zinc Sulfate	A	B	—	—	A

Примечания:

– **Условия.** Оценки даны для температуры около 20 °C и чистых сред. При нагреве стойкость снижается. Для смесей, загрязнённых сред и повышенных температур подбор согласовывается с поставщиком.

– **Насос в целом** стоек к среде, только если стойки все материалы в контакте с ней. При любом варианте вала в насосе стоят FEP, FKM, статичное кольцо из SiC, вращающееся кольцо из RPTFE и втулка из SiN. Поэтому для NaOH и KOH насос не подходит ни в каком исполнении (C–D у FKM, SiC и SiN), для плавиковой кислоты — тоже (C у SiN).

– **SiC.** В насосе — реакционно-спечённый SiC с 20 % свободного кремния.

– **SiN.** В насосе — реакционно-связанный нитрид кремния без спекающих добавок. По заявлению завода, до 80 °C он стоек к большинству кислот и оснований, кроме плавиковой кислоты, гидроксидов натрия, калия и бария.

– **Не включено.** Поз. 8а — поддерживающая втулка из нержавеющей стали AISI 304: стоит снаружи и со средой не контактирует. Поз. 9–12 (держатель, внешний магнит, основание, двигатель) со средой не контактируют.