Subject to change without notice

VALVE AUTOMATION SYSTEMS

EL-O-MATIC® INTERNATIONAL

Nr.: 4.204.021

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PRELIMINARY CHEMICAL RESISTANCE LIST FOR CSR COATING CSR

Inorganic chemicals

1	Ammonium hydroxide (10%)	2	Nitric acid (10%)
1	Calcium chloride (~50%)	3	Nitric acid (50%)
3	Chlorine	1	Hydrochloric acid (10%)
3	Chromic acid	1	Hydrochloric acid (concentrated)
3	Hydrofluoric acid (50%)	1	Sulphuric acid (50%)
1	Caustic potash solution (10%)	3	Sulphuric acid (concentrated)
1	Sodium hypochlorite (saturated)	2	Sulphur dioxide
1	Caustic soda solution (10%)	1	Sulphur hexafluoride
1	Caustic soda solution (saturated)	2	Nitric oxide
1	Phosphoric acid (10%)	1	Hydrogen peroxide (100%)
1	Phosphoric acid (50%)		

Organic chemicals

3	Acetone	1	Glycerine
3	Acetonitrile	1	Hexane
3	Aniline	1	Isooctane
2	Benzene	1	Isopropanol
1	n-Butanol	1	Methanol
3	Butyl acetate	3	Methylene chloride
3	Chlorobenzene	3	Methyl ethyl ketone
3	Chloroforme	3	N.N-Dimethylformamide
3	o-Chlorophenol	3	N-Methylpyrrolidon
1	Cyclohexane	1	Oxalic acid
3	Cyclohexanone	1	Perchloroethylene
3	1,2-Dichloroethane	1	Petroleum ether
2	Diethyl ether	3	Phenol
2	Dioxane	1	Carbon bisulphide
1	Glacial acetic acid	1	Turpentine
1	Ethanol	2	Tetrachloroethane
3	Ethyl acetate	2	1,1,1-Trichloroethane
1	Ethylene glycol	1	Tetrachloromethane
1	Formaldehyde	3	Trichloroethylene
2	Freon 11	2	Toluene
2	Freon 22	1	Xylene

Fuels/lubricants

1	Two-star petrol (50°C)
1	Four-star petrol (50°C)
1	Fuel M 15 (50°C)
1	Diesel oil
1	Kerosene
1 to 2	Hypoid bevel gear oil Shell Spirax HD 90 (150°C)
1	Transmission oil Shell Spirax MA 80 (150°C)

Chemicals

1	Automatic transmission fluid Shell Dextra 11D 20-137 (150°C)
1	Engine oil , mineral, Mihag 1500-40 (150°C)
1	Engine oil, synthetic, Mobil SHC 10 W-40
3	Brake fluid Hydraulan DOT 4
1	Roller bearing grease DIN 51 825

Technical detergents

2	Genkeene
2	1,1,1- Trichloroethane
2	Triklone A
2	Perchloroethylene

Miscellaneous fluids

1	Glysantin (BASF)/water
1	Plasticizer DOP
1	Suds
1	Washing-up liquids
1	Household detergents
1	Linseed oil
1	Milk
1	Soapsuds
1	Silicone oils

1 Excellent

2 Limited resistance; it is recommended to perform field tests under the specified conditions.

3 Not recommended

Note: This list has been composed with great care. However, EL-O-MATIC cannot be held responsible, either for any errors in this list or for their consequences.
Because of continued testing this list is subject to change without notice.