

## Chemical Resistance of DPX2

Chemical resistance of DISPET EXII is only applied for the wetted parts.

General chemical resistant list is referred to the appendix.

The wetted parts are made of Borosilicate glass, Ceramic, ETFE, FEP, PFA, PTFE, Platinum-Iridium, PP.

Following reagents which attacking those wetted parts cannot be applied. Asterisk(\*) was indicated for attention.

- Liquids attacking Ceramic, ETFE, FEP, PFA and PTFE. (e. g., dissolved sodium azide)
- Liquids attacking Borosilicate glass. (e. g., hydrofluoric acid)
- Liquids which are decomposed catalytically by Platinum-Iridium. (e. g., H<sub>2</sub>O<sub>2</sub>)
- Nitric acid > 60%
- Tetrahydrofuran
- Trifluoroacetic acid
- Explosibility liquid (e. g., carbon disulfide)
- Suspension (e. g., charcoal)
- Liquids attacking PP. (closure cap)
- Inflammable media

\* Dissolved sodium azide permitted up to a concentration of max. 0.1%.

\*Liquids, which form deposits may make the piston difficult to move or may cause jamming. (e.g., crystallizing solutions or concentrated alkaline solutions)

Chemical Resistance of DPX2

<input type="checkbox"/>	Acetaldehyde
<input type="checkbox"/>	Acetic acid, ≤ 96 %
<input type="checkbox"/>	Acetone
<input type="checkbox"/>	Acetonitrile
<input type="checkbox"/>	Acetylacetone
<input type="checkbox"/>	Acrylic acid
<input type="checkbox"/>	Acrylonitrile
<input type="checkbox"/>	Adipic acid
<input type="checkbox"/>	Allyl alcohol
	Aluminium chloride
<input type="checkbox"/>	Amino acids
	Ammonia solution, ≤ 20 %
	Ammonium chloride
	Ammonium fluoride
	Ammonium hydroxide, ≤ 20 %
	Ammonium sulphate
<input type="checkbox"/>	Amyl acetate
<input type="checkbox"/>	Amyl alcohol (pentanol)
<input type="checkbox"/>	Amyl chloride (chloropentane)
<input type="checkbox"/>	Aniline
	Barium chloride
<input type="checkbox"/>	Benzaldehyde
<input type="checkbox"/>	Benzene
<input type="checkbox"/>	Benzoyl chloride
<input type="checkbox"/>	Benzyl alcohol
<input type="checkbox"/>	Benzyl chloride
<input type="checkbox"/>	Benzylamine
	Boric acid, ≤10 %
<input type="checkbox"/>	Bromobenzene
<input type="checkbox"/>	Bromonaphthalene
<input type="checkbox"/>	Butanediol
<input type="checkbox"/>	1-Butanol
<input type="checkbox"/>	n-Butyl acetate
<input type="checkbox"/>	Butyl methyl ether
<input type="checkbox"/>	Butylamine
<input type="checkbox"/>	Butyric acid
	Calcium carbonate
	Calcium chloride
	Calcium hydroxide
	Calcium hypochlorite
<input type="checkbox"/>	Chloroacetaldehyde, ≤ 45 %
<input type="checkbox"/>	Chloroacetic acid
<input type="checkbox"/>	Chloroacetone
<input type="checkbox"/>	Chlorobenzene
<input type="checkbox"/>	Chlorobutane
<input type="checkbox"/>	Chloronaphthalene
	Chromic acid, ≤ 50 %
	Chromic-sulphuric acid
	Copper sulphate
<input type="checkbox"/>	m-Cresol
<input type="checkbox"/>	Cumene (isopropylbenzene)
<input type="checkbox"/>	Cyclohexanone
<input type="checkbox"/>	Decane
<input type="checkbox"/>	1-Decanol
<input type="checkbox"/>	Di(ethylene glycol)
<input type="checkbox"/>	Dibenzyl ether
<input type="checkbox"/>	Dichlorobenzene
<input type="checkbox"/>	Dichloroethane
<input type="checkbox"/>	Dichloromethane
<input type="checkbox"/>	Diethanolamine
<input type="checkbox"/>	Diethyl ether
<input type="checkbox"/>	Diethylamine
<input type="checkbox"/>	1,2 Diethylbenzene
<input type="checkbox"/>	Dimethyl sulphoxide (DMSO)
<input type="checkbox"/>	Dimethylaniline
<input type="checkbox"/>	Dimethylformamide (DMF)
<input type="checkbox"/>	1,4 Dioxane
<input type="checkbox"/>	Diphenyl ether
<input type="checkbox"/>	Ethanol
<input type="checkbox"/>	Ethanolamine
<input type="checkbox"/>	Ethyl acetate
<input type="checkbox"/>	Formaldehyde, ≤ 40 %
<input type="checkbox"/>	Formamide
<input type="checkbox"/>	Formic acid, ≤ 100 %
<input type="checkbox"/>	Gasoline
<input type="checkbox"/>	Glacial acetic acid (acetic acid), 100 %
<input type="checkbox"/>	Glycerine
<input type="checkbox"/>	Glycol (ethylene glycol)
<input type="checkbox"/>	Glycolic acid, ≤ 50%
<input type="checkbox"/>	Heating oil (Diesel oil)
<input type="checkbox"/>	Hexane
<input type="checkbox"/>	Hexanoic acid
<input type="checkbox"/>	Hexanol
	Iodine / potassium iodide solution
<input type="checkbox"/>	Isoamyl alcohol
<input type="checkbox"/>	Isobutanol
<input type="checkbox"/>	Isopropanol (2-propanol)
<input type="checkbox"/>	Isopropyl ether
<input type="checkbox"/>	Lactic acid
	Magnesium chloride
	Mercury chloride
<input type="checkbox"/>	Methanol
<input type="checkbox"/>	Methoxybenzene
<input type="checkbox"/>	Methyl benzoate
<input type="checkbox"/>	Methyl butyl ether
<input type="checkbox"/>	Methyl ethyl ketone
<input type="checkbox"/>	Methyl formate
<input type="checkbox"/>	Methyl propyl ketone
<input type="checkbox"/>	Mineral oil (motor oil)
<input type="checkbox"/>	Monochloroacetic acid, 50%
<input type="checkbox"/>	Nitrobenzene
<input type="checkbox"/>	Octane
<input type="checkbox"/>	Oleic acid
<input type="checkbox"/>	Oxalic acid
	Perchloric acid
<input type="checkbox"/>	Petroleum
<input type="checkbox"/>	Phenol
<input type="checkbox"/>	Phenylethanol
<input type="checkbox"/>	Phenylhydrazine
	Phosphoric acid, ≤ 85%
	Phosphoric acid, 85% + sulphuric acid, 98%,1:1
<input type="checkbox"/>	Piperidine
	Potassium chloride
	Potassium dichromate
	Potassium hydroxide
	Potassium permanganate
<input type="checkbox"/>	Propanol
<input type="checkbox"/>	Propionic acid
<input type="checkbox"/>	Propylene glycol (propanediol)
<input type="checkbox"/>	Propylene oxide
<input type="checkbox"/>	Pyridine
<input type="checkbox"/>	Pyruvic acid
<input type="checkbox"/>	Salicylaldehyde
<input type="checkbox"/>	Salicylic acid
<input type="checkbox"/>	Silver acetate
	Silver nitrate
<input type="checkbox"/>	Sodium acetate
	Sodium chloride
	Sodium dichromate
	Sodium fluoride
	Sodium hydroxide, ≤ 30%
	Sodium hypochlorite
	Sulphuric acid, ≤ 98%
<input type="checkbox"/>	Tartaric acid
<input type="checkbox"/>	Tetramethylammonium hydroxide
<input type="checkbox"/>	Toluene
<input type="checkbox"/>	Turpentine
<input type="checkbox"/>	Urea
<input type="checkbox"/>	Xylene
	Zinc chloride, ≤ 10 %
	Zinc sulphate, ≤ 10 %
※The meanings of 'O' and no mark in the list is below	
<input type="checkbox"/>	Organic solutions
	Inorganic solutions

- Storage of the equipment shall not be performed with remaining attached to the reagent bottle.

- Follow instruction in the operating manuals of the instrument and the reagent, and matured operators should handle them.