

## Disposable Syringe Filter Units

### Key to the Symbols:



**Recommended:**

No change in either water flow rate or bubble point will be observed



**Limited resistance:**

Additional in-house testing is advised as swelling, discoloration or other minor changes may occur



**Not recommended:**

Significant changes in water flow rate and/or bubble point can be expected



**Data not available**

Recommendations are based on a 24-hour static exposure to the test fluid at room temperature

## Disposable Syringe Filter Units

CHEMICAL		AS	CS	CP	HP	JP	
		Mixed Cellulose Esters with acrylic housing	Cellulose Acetate with acrylic housing	Cellulose Acetate with PP housing	Hydrophilic PTFE with PP housing	Hydrophobic PTFE with PP housing	
<b>Acids</b>	3 kmol/m <sup>3</sup> Hydrochloric acid (10%, 3N)	●	▼	▼	●	●	
	9 kmol/m <sup>3</sup> Hydrochloric acid (30%, 9N)	✘	✘	✘	●	●	
	1 kmol/m <sup>3</sup> Sulfuric acid (5%, 2N)	●	●	●	●	●	
	4 kmol/m <sup>3</sup> Sulfuric acid (20%, 8N)	✘	✘	✘	●	●	
	1 kmol/m <sup>3</sup> Nitric acid (5%, 1N)	●	●	▼	●	●	
	5 kmol/m <sup>3</sup> Nitric acid (20%, 5N)	✘	✘	✘	▼	▼	
	20% Acetic acid	●	●	●	●	●	
	Glacial acetic acid	✘	✘	✘	●	●	
	10% Hydrofluoric acid	✘	✘	✘	●	●	
	35% Hydrofluoric acid	✘	✘	✘	●	●	
	10% Chromic acid	▼	▼	▼	▼	▼	
	10% Phosphoric acid	●	●	●	●	●	
	<b>Alkalis</b>	2.5 kmol/m <sup>3</sup> Sodium hydroxide (10%, 2.5N)	✘	✘	✘	●	●
		2 kmol/m <sup>3</sup> Potassium hydroxide (10%, 2N)	✘	✘	✘	●	●
8 kmol/m <sup>3</sup> Aqueous ammonia (28%, 8N)		✘	●	▼	●	●	
<b>Alcohols</b>	Methyl alcohol	✘	✘	●	●	●	
	Ethyl alcohol	✘	▼	●	●	●	
	n-Propyl alcohol	▼	●	●	●	●	
	Isopropyl alcohol	▼	●	●	●	●	
	n-Butyl alcohol	▼	●	●	●	●	
	Amyl alcohol	▼	●	●	●	●	
	Benzyl alcohol	▼	✘	✘	●	●	
	Ethylene glycol	✘	✘	●	●	●	
	Glycerol	●	●	●	●	●	
	<b>Ethers</b>	Ethyl ether	✘	✘	▼	▼	▼
Isopropyl ether		✘	✘	●	●	●	
Tetrahydrofuran (THF)		✘	✘	✘	▼	▼	
Dioxane		✘	✘	✘	▼	▼	
<b>Esters</b>	Methyl acetate	✘	✘	✘	▼	▼	
	Ethyl acetate	✘	✘	✘	▼	▼	
	Butyl acetate	✘	✘	✘	▼	▼	
	Amyl acetate	✘	✘	▼	▼	▼	
<b>Ketones</b>	Acetone	✘	✘	✘	●	●	
	Methyl ethyl ketone (MEK)	✘	✘	✘	▼	▼	
	Methyl isobutyl ketone (MIBK)	✘	✘	✘	▼	▼	
	Cyclohexanone	✘	✘	✘	▼	▼	
<b>Hydro-carbons</b>	Benzene	✘	✘	▼	▼	▼	
	Toluene	✘	✘	▼	▼	▼	
	Xylene	✘	✘	▼	▼	▼	
	n-Hexane	✘	✘	▼	▼	▼	
	Gasoline	▼	▼	●	●	●	
Kerosene	●	●	▼	▼	▼		

To be continued next page

## Disposable Syringe Filter Units (Continued)

CHEMICAL		AS	CS	CP	HP	JP
		Mixed Cellulose Esters with acrylic housing	Cellulose Acetate with acrylic housing	Cellulose Acetate with PP housing	Hydrophilic PTFE with PP housing	Hydrophobic PTFE with PP housing
<b>Halogenated hydrocarbons</b>	Chloroform	×	×	×	▼	▼
	Methylene chloride	×	×	×	▼	▼
	Trichloroethylene	×	×	▼	▼	▼
	Carbon tetrachloride	×	×	▼	●	●
	Trichloroethane	×	×	×	▼	▼
	Perchloroethylene	×	×	×	▼	▼
<b>Amines</b>	Freon (TMC)	×	×	▼	▼	▼
	Aniline	×	×	×	▼	▼
	Dimethyl formamide	×	×	×	▼	▼
	Diethylacetamide	×	×	×	▼	▼
	Triethanolamine	×	●	●	●	●
<b>Misc.</b>	Ethyl acetate cellosolve	×	×	×	▼	▼
	Acetonitrile	×	×	×	▼	▼
	Pyridine	×	×	×	▼	▼
	Sodium Hypochloride	×	×	×	●	●
	35% Formaldehyde	×	▼	▼	●	●
	Iron (II) chloride	●	●	●	●	●
	Copper sulfate	●	●	●	●	●
	Mineral oil	▼	●	▼	▼	▼
	Salt water	●	●	●	●	●
	10% Hydrogen peroxide	×	▼	●	●	●
	Nitrobenzene	×	×	×	▼	▼
	Phenol	×	×	×	●	●
	Silicone oil	×	×	×	●	●
	Petroleum oil	▼	▼	●	●	●
	Acetonitrile (70): water (30)	×	×	×	●	●