

# Body Material Selection Table

The selection of appropriate body material for the Cupla is closely related to its usage application, the type of fluid run through, its concentration (%), the pressure, its working environment, etc. So the material must be carefully considered in order to use the Cupla efficiently and obtain its full performance. Since there are some metals that should not be used with certain fluids, please refer to this table when making your selection.

○ Suitable    △ Not suitable under certain conditions

	Fluids	Brass	Stainless Steel	Steel	
<b>A</b>	Acetic acid	△	○		
	Acetic anhydride		○		
	Acetone	○	○	○	
	Air	○	○	○	
	Aluminium fluoride				
	Aluminum chloride		△		
	Aluminum sulfate		△		
	Ammonia		○		
	Ammonium nitrate		○		
	Ammonium phosphate		○		
	Ammonium sulfate				
	Aniline		○		
	Arsenic acid		○		
	<b>B</b>	Barium chloride			
Barium hydroxide			○		
Barium sulfide			○	○	
Beer		○	○		
Benzene		○	○	○	
Benzine		○	○	○	
Boric acid			○		
Butane		○	○	○	
Butyl acetate		○	○	○	
<b>C</b>		Calcium chloride			
		Calcium hydroxide	○	○	○
	Carbon dioxide	○	○	○	
	Carbon disulfide	○	○	○	
	Carbon tetrachloride		○		
	Carbonic acid		○		
	Caustic soda		○		
	Chlorine		○	○	
	Chromic acid		○		
	Citric acid		○		
	Cresol acid	○	○	○	
	Diesel fuel	○	○	○	
	<b>D</b>	Dowtherm		○	
		Drinking water	△	○	
<b>E</b>	Ether	○	○	○	
	Ethyl acetate	○	○	○	
	Ethyl alcohol	○	○	○	
	Ethylene chloride				
	Ethylene glycol	○	○	○	
<b>F</b>	Fatty acid		○		
	Ferric chloride				
	Ferric sulfate		△		
	Formaldehyde		○		
	Formalin		○		
	Formic acid		○		

	Fluids	Brass	Stainless Steel	Steel
<b>F</b>	Freon	○	○	○
<b>G</b>	Glycerine	○	○	○
<b>H</b>	Hexane	○	○	
	Hydrobromic acid			
	Hydrochloric acid			
	Hydrofluoric acid			○
	Hydrogen	○	○	○
	Hydrogen peroxide			○
<b>I</b>	Hydrogen sulfide		△	
	Industrial water	○	○	△
<b>J</b>	Jet fuel		○	△
<b>L</b>	Lactic acid		○	
	Liquefied petroleum gas (LPG)	○	○	○
<b>M</b>	Magnesium chloride			
	Mercury		○	○
	Methyl alcohol	○	○	○
<b>N</b>	Naphtha	○	○	○
	Naphthalene	○	○	○
	Natural gas	○	○	○
	Nickel chloride			○
	Nitric acid			△
	Nitrobenzene			○
<b>O</b>	Octane			
	Oxygen	○	○	○
<b>P</b>	Paraffin	○	○	○
	Phenol		○	
	Phosphoric acid		○	
	Potassium chloride			△
	Potassium hydroxide			○
	Pure water	△	○	
	<b>R</b>	Refined gasoline	○	○
Refined petroleum		○	○	○
<b>S</b>	Salt water		△	
	Sodium carbonate		○	○
	Sodium chloride	○	○	○
	Sodium hydroxide			○
	Sodium nitrate			○
	Sodium phosphate			△
	Sodium sulfate	○	○	
<b>T</b>	Sulfuric acid			
	Sulfurous acid			
<b>T</b>	Tannic acid		○	
<b>W</b>	Wine		○	
<b>Z</b>	Zinc chloride			

Notes: 1. Since fluid concentration (%) and conditions of use may affect the performance, detailed study is necessary when choosing materials.

Notes: 2. For the cells that have no symbol marks, please consult us for appropriate body material.