



Chemical Compatibility Guide

SOLUTION	TYPE OF HEATER	SOLUTION	TYPE OF HEATER
Acetic	PTFE or Quartz	Chromium (No Fluorides)	PTFE, Quartz or Titanium
Acid Sulfate	PTFE or Quartz	Citric Acid	Titanium
Actane 70, 80	PTFE	Clear Chromate	PTFE or Quartz
Actane Salt	PTFE	Cobalt Nickel	PTFE, Quartz or Titanium
Alcorite	PTFE or Quartz	Cobalt Plating	304 Stainless Steel
Alkaline Cleaners (Electrified)	304 Stainless Steel	Cobra Etch	PTFE
Alkaline Soaking Cleaners	304 Stainless Steel	Copper Acid	PTFE or Quartz
Alodine (most formulas)	316 Stainless Steel	Copper Bright Acid	PTFE or Quartz
Alstan	304 Stainless Steel	Copper Cyanide	304 Stainless Steel
Aluminum Anodizing	PTFE or Quartz	Copper Fluoborate	PTFE
Aluminum Bright Dip	PTFE or Quartz	Copper Pyrophosphate	304 Stainless Steel
Aluminum Chloride	PTFE or Quartz	Copper Strike	304 Stainless Steel
Aluminum Cleaners	304 Stainless Steel	Copper Sulfate	PTFE or Quartz
Aluminum Sulfate	304 Stainless Steel	Cyanide	304 Stainless Steel
Ammonia	304 Stainless Steel	Deionized Water	316 Stainless Steel
Ammonia Persulfate	PTFE or Quartz	Deoxidizer (Etching)	PTFE or Quartz
Ammonium Bi Fluoride	PTFE	Deoxidizer Non-Chromated	316 Stainless Steel
Ammonium Chloride	Titanium	Dichromic Seal	Steel
Ammonium Nitrate	316 Stainless Steel	Diethylene Glycol	304 Stainless Steel
Anodizing	PTFE or Quartz	Diversey, 511, 514	PTFE
ARP 28, 80 Blackening Salts	PTFE or Quartz	Dow Therm	316 Stainless Steel
Arsenic	304 Stainless Steel	Dye Solutions	304 Stainless Steel
Barium Chloride	Titanium	Ebonal C	Titanium
Benzoic Acid	Titanium	Electro Cleaner	304 Stainless Steel
Black Nickel	PTFE or Quartz	Electro Polishing	PTFE or Quartz
Black Oxide (High-Temp)	304 Stainless Steel	Electroless Copper	PTFE
Black Oxide (Low-Temp)	Titanium	Electroless Nickel	PTFE or Titanium
Bonderizing	316 Stainless Steel	Electroless Tin (Acid)	PTFE or Quartz
Boric Acid	Titanium	Electroless Tin (Alkaline)	316 Stainless Steel
Brass Cyanide	304 Stainless Steel	Enthone 80 Acid	PTFE
Bright Copper-Cyanide	304 Stainless Steel	Ethylene Glycol	Steel
Bright Nickel	PTFE, Quartz or Titanium	Ferric Ammonium Oxide	316 Stainless Steel
Bronze	304 Stainless Steel	Ferric Chloride	PTFE, Quartz or Titanium
Brown Oxide	Titanium	Ferric Nitrate	304 Stainless Steel
Burnite	PTFE or Quartz	Ferric Sulfate	304 Stainless Steel
Butyric Acid	Titanium	Fluoborate	PTFE
Cadmium (Alkaline)	304 Stainless Steel	Formic Acid	316 Stainless Steel
Cadmium Black	PTFE or Quartz	Glycerol	304 Stainless Steel
Cadmium Fluoborate	PTFE	Gold-Acid	PTFE, Quartz or Titanium
Calcium Chloride	Titanium	Gold Cyanide	304 Stainless Steel
Calcium Hypochlorite	Titanium	Gold-Immersion	304 Stainless Steel
Carbonic Acid	Titanium	Grey Nickel	PTFE, Quartz or Titanium
Caustic Etch	Steel	Hot Seal Dichromate	316 Stainless Steel
Caustics	Steel	Hydrochloric Acid	PTFE or Quartz
Caustics (highly concentrated 20% & over)	Steel	Hydrofluoric Acid	PTFE
Chloride	PTFE, Quartz or Titanium	Hydrogen Peroxide	PTFE or Quartz
Chlorine/Wet	PTFE or Quartz	Indium	PTFE or Quartz
Chlorosulfuric Acid	Titanium	Iridite (1, 2, 3, 4-C, 7, 8, 15)	PTFE or Quartz
Chromic Acetate	PTFE or Quartz	Iridite (4-75, 4-73, 14, 14-2, 14-9)	316 Stainless Steel
Chromic Anodizing	PTFE or Quartz	Iron Fluoborate	PTFE
Chromic Nickel	PTFE or Quartz	Iron Phosphate	316 Stainless Steel
Chromium (Fluoride)	PTFE	Isoprep (186, 187, 188)	316 Stainless Steel