

## FOR PLATING AND SURFACE FINISHING APPLICATIONS

### AMETEK Fluoropolymer Heat Exchangers Boost Efficiency and Quality

#### FEATURES

- Resist fouling and corrosion in most solutions
- Electrically non-conductive design resists stray currents
- Smooth, non-stick Fluoropolymer construction
- Lightweight, compact designs easily conform to most tank shapes

AMETEK Fluoropolymer Heat Exchangers are ideal for plating and surface finishing applications because of their unique chemically inert and corrosive resistant Fluoropolymer materials. Since Fluoropolymer materials are also electrically non-conductive, they do not attract stray currents and virtually eliminates the danger of shorting.

#### HIGH EFFICIENCY COMPACT DESIGNS

AMETEK Fluoropolymer Heat Exchangers come in a variety of lightweight, compact design configurations that require minimal tank volume. AMETEK immersion coil heat exchangers, for example, can be easily shaped to fit almost any tank or bath configuration. No welding is required for installation.

Patented Fluoropolymer tubing also enables AMETEK heat exchangers to retain their original heat transfer efficiency by minimizing external fouling and internal scaling without surface passivation. AMETEK Fluoropolymer Heat Exchangers are not susceptible to plateout making them ideal for electroless plating applications and for operations involving plating of precious metals. All of these benefits add up to improved productivity and efficiency for the operator.

#### PROCESS APPLICATIONS

AMETEK Heat Exchangers are compatible with virtually all finishing processes and solutions including:

#### Typical processes...

- Hard chrome plating
- Decorative plating
- Precious metal plating
- Electroless plating



#### Typical solutions...

- Chloride, cyanide, fluoride, fluosilicate, pyrophosphate, sulfate and sulfamate plating solutions for cadmium, chrome, copper, gold, leadtin, nickel, platinum, rhodium, silver, tin and zinc electroplating.
- Electroless copper and nickel plating solutions
- Deionized water
- Anodizing, brightening, cleaning, electrocleaning, electropolishing, etching, neutralizing, passivating, pickling, rinsing, stripping and surface activating solutions containing alkalis or acetic, chromic, hydrochloric, nitric, oxalic, phosphoric or sulfuric acids.