

# ATRON® AC 207

## Aqueous-based cleaning medium for defluxing applications in spray-in-air processes



ATRON® AC 207, based on the FAST® Technology, is a cleaning agent specifically designed to operate at low concentration levels. The product was developed to improve the cleaning performance and bath life of traditional surfactant-based cleaners and is compatible with sensitive metals. ATRON® AC 207 can be used in processes with high and medium pressure inline as well as batch cleaning systems.

Areas of application: PCB Cleaning		Additional product information:
Low solid flux residues	++	<b>Technical Information 2:</b> Overview of pastes and fluxes tested  <b>Technical Information 3:</b> Material compatibility overview  <b>FAST® Technology Sheet:</b> Additional information on FAST® Technology
Rosin based flux residues	++	
Water soluble flux residues	++	
Solder paste (unsoldered)	+	

++ highly recommended, best results      + recommended      0 possible

### Technical Centers - ① America ② Europe ③ Malaysia ④ East China ⑤ South China Cleaning Process Solutions under Production Floor Conditions



Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials:  
Phone: +1 (703) 393-9880; Email: [infoUSA@zestron.com](mailto:infoUSA@zestron.com)

### Advantages compared to other surfactant cleaners:

- Due to its mild formulation and the low operating concentration, the cleaning agent demonstrates a superior level of material compatibility with sensitive metals such as aluminum, brass, nickel, etc.
- Excellent cleaning performance, at low concentrations and temperatures.
- Allows for a quicker removal of a wide variety of the latest lead-free and eutectic flux residues.
- Exceptionally longer bath life (3 to 10 times) than traditional surfactant-based cleaners.
- Gentle formulation leaves solder joints and pads shiny and bright.

Please refer to the material compatibility datasheet (Technical Information 3) prior to cleaning plastics.

Process	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air	ATRON® AC 207	DI-water	Hot air or circulating air
Ultrasonic/Centrifugal	ATRON® AC 207	DI-water	Hot air or circulating air

Technical Data: ATRON® AC 207 at 10% concentration.		
Density	g/ccm at 68°F / 20°C	1.00
Surface tension	mN/m at 77°F / 25°C	27.2
Boiling range	°F/°C	>212 / >100
Flash point	°F/°C	None
pH-value	10g/l H <sub>2</sub> O	10.3
Cleaning temperature	°F/°C	104-158 / 40-70
Application concentration	%	5-15
HMIS rating	Health-Flammability-Reactivity	1 - 0 - 0

## PRODUCT FEATURES



Extensively tested and suitable for cleaning of lead-free solder pastes



FAST® Technology ensures the fast removal of flux residues even under components



100% compliance with EU guidelines (RoHS 1 & 2, WEEE)



Product is free of any critical substances according to SIN & SVHC lists

## Environmental, health and safety regulations:

- ATRON® AC 207 is water-based and biodegradable.
- The cleaning agent is formulated free of any halogenated compounds.
- Refer to the MSDS for specific handling precautions and instructions.

## Availability/Storage:

- ATRON® AC 207 is available as concentrate in 1L, 5L or 25L containers and 200L drums.
- Store ATRON® AC 207 in the original container at a temperature between 4-86°F / 5-30°C.
- The product has a minimum shelf life of 5 years in factory sealed containers.

