



Nu/Clean
AquaBatch Jr.
Aqueous Batch Cleaner

The AquaBatch Jr. is a quiet, efficient batch cleaning system designed to remove all types of electronic assembly residues including, but not limited to: water soluble, RMA, no-clean and lead-free soldering fluxes; plating salts, finger soils, dust and loose solder balls. Performance advantages come from high energy *Coherent Jet Technology* spray manifolds which deliver up to 5X more cleaning pressure than other nozzles. Five preset recipes and six user-definable recipes allow additions of steam cycles to improve the efficiency of the water cleaning process. The AquaBatch Jr. process chamber is laboratory grade stainless steel. The outer cabinet is an ergonomic design made from chemical resistant polypropylene with a color customizable bezel.



An automatic cleanliness tester is a standard feature that regulates rinsing to a programmable cleanliness level through the use of a built-in DI water resistivity monitor. The cleanliness monitor checks DI rinse resistivity and continues to rinse until desired cleanliness is met.

The AquaBatch has programmable wash and rinse temperature settings of up to 93° C (199° F) to soften and dissolve even the toughest organic and ionic residues. The “fast dry” heated, forced convection dryer provides strong drying performance.



Nu/Clean AquaBatch Jr. STANDARD SYSTEM

<u>Description</u>	<u>Unit Price</u>
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Nu/Clean AquaBatch Jr.	
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Open loop cleaning system (wash and rinse to drain)	
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Includes:

- “Fast Clean” multi-directional high energy jets for shorter wash and rinse times
- High energy jets are pressure rated up to 37 oz/ sq in
- 3 spray bars - *top middle bottom*
- Selectable steam cycles to improves ionic removal
- Adjustable wash and rinse temperatures to a maximum of 93° C, (199° F)
- Adjustable dry temperature cycles to 70° C, (158° F)
- Stainless Steel Construction (Type 304, #3 polished door interior & exterior)
- Polypro Chemical Resistant Cabinet
- Stainless Steel board racks (Lower **AND** Upper) with 4 spindle racks to hold PCB
- Glass window and interior light in door
- Built-in “Fast Dry” heated forced air
- Heater rated at 2000 Watts, for heating, drying and steam cycles
- Easy to use push button LCD programming display
- Chemical pump
- Recirculating Wash Pump @ 60 Hz exceeds 424 L/min, (112 GPM)
- Conductivity Probe
- Separate Drain Pump
- Cleaning Process Chamber 482 mm x 482 mm x 482 mm (19” x 19” x 19”)
- Pump protection screen
- Quiet, energy efficient operation at <65 decibels
- Exhaust port
- E-stop button
- ESD ground strap plug
- Conformance standards: UL 61010-1; CAN/CSA C22.2 No. 10104; NFPA 79; IEC; and OSHA, ETL Compliant

Specifications:

- Electrical: 208/230V, 60Hz, 16A , 1 PH
- Exhaust: 350 CFM
- Incoming Water: 60°C (140°F) Min.; 5.7 L/min (1.5 GPM) Min. ; 138 kPa (20 PSI)
- Overall Dimensions are 1117 mm x 889 mm x 1651 mm (44” x 35” x 65”)
- Adjustable Load Height: approx. 965 mm x 1016 mm (38” – 40”)
- Shipping weight approximately 272 Kg (600 lbs) , installation weight approximately 218 Kg (480 lbs).



Nu/Clean AquaBatch Jr. AVAILABLE OPTIONS

Description	Unit Price
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SYSTEM OPTIONS

HEPA Filtration for Drying
Light Tower
Containment Tray
Refractometer – Digital
Powered Exhaust System
Spare Parts Kit
Additional manual (CD)
Crating for International or Unique requirements
Prepaid Freight to Continental United States
Installation and Training
2nd Year Warranty

DATA CAPTURE VIA COM PORT

INCOMING WATER OPTIONS

Inline Water Heater – $\Delta 40^{\circ}\text{F}$
(*This option will add 40 FLA to power requirement*)
Dual Inline Water Heater – $\Delta 60^{\circ}\text{F}$
(*This option will add 65 FLA to power requirement*)
3 Phase Inline Water Heater – $\Delta 80^{\circ}\text{F}$
(*This option will add 46 FLA to power requirement and requires a 3 Phase power source.*)

DISCHARGE OPTIONS

Wastewater Evaporator
3 to 6 gallons/hour batch evaporation rate 85 gallon, heavy 12 gauge,
316L stainless steel tank 3/8" 316L Stainless steel plate floor with 2"
drain and plug High-level float, recommended voltage: 220 VAC, 40
AMP, 3 Phase



CLOSED LOOP WASH SYSTEM

Unheated Lower Polypro Tank
Dedicated Pump
Safety Sensor Floats

ZERO DISCHARGE OPTION

D.I. WATER TREATMENT

D.I. ELITE
CONTAINMENT TRAY



Process Chamber of the Nu/Clean AquaBatch Junior



TO PLACE ORDER

Please reference your quote number from page 1 of this document on your purchase order. All Purchase Orders can be emailed directly to: sales@technicaldev.com or sent via fax to 310-618-1543.

WARRANTY

1-year parts from date of shipment; exclusive of consumable and wear items.

TERMS

The above prices are valid for 30 days from date of quotation. Standard terms are 50% down with order and 40% before shipment, and 10 % Net 30, (US Dollars), from date of shipment

SHIPPING

Prepaid Freight Option or Customer Arranged Freight F.O.B. Torrance, CA. Shipping is 3-4 weeks after receipt of a copy of the Purchase Order.

CONTACT INFORMATION

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