



Quote #:  
Company:  
Contact:

Date:

### Nu/Clean AquaBatch XL The Batch Cleaner with the **HIGHEST TEMPERATURE** **PROCESS &** the added cleaning power of **STEAM !**

The AquaBatch XL 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. Almost unlimited definable recipes allow selection of either a 100% water-based cleaning process or a chemical/water process with selectable additions of steam cycles, de-foamer, or rinse aids to improve the efficiency of the cleaning process.



AquaBatch XL is constructed from a laboratory grade stainless-steel process chamber within a chemical resistant polypro cabinet. It features a large Touchscreen with robust, yet intuitively easy to use software. The AquaBatch XL allows you to monitor and control every aspect of the cleaning cycle. You can even use the remote viewing feature to keep an eye on the cleaning process away from the batch cleaner. The Windows CE based software lets you gather useful data for process control and reporting requirements.

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 XL has programmable wash and rinse temperature settings 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 and keeps the assemblies dust-free following the cleaning process.



## AQUABATCH XL STANDARD SYSTEM

### Closed loop cleaning system (wash closed loop and rinse to drain)

Includes:

- Windows CE based software
- SPC Data Logging exportable through Ethernet port
- 12.1" Touchscreen – *largest in industry*
- Real Time Software Monitoring and Control
- Unlimited Recipe Storage for Multiple Processes
- Recirculating wash – saves chemical consumption
- “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)
- Stainless Steel board racks (upper and lower) Qty of 4 with 48 spindles ea
- 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
- Recirculating Wash Pump @ 60 Hz exceeds 424 L/min, (112 GPM)
- Separate Drain Pump
- 28 liters (7.4 gallon) heated holding tank
- Upper rack easy to remove and is height adjustable, (two position, moves 56mm -- 2.2")
- 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
- E-stop button
- ESD ground strap plug
- Exhaust port
- Conformance standards: UL 61010-1; CAN/CSA C22.2 No. 10104; NFPA 79; IEC; and OSHA, ETL Compliant

### Specifications:

- Electrical: 208/230V, 60Hz, 30A , 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 227 Kg (500 lbs).



## **AQUABATCH XL -- AVAILABLE OPTIONS**

### **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  
2<sup>nd</sup> Year Warranty

### **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

### **ZERO DISCHARGE OPTION**

#### **D.I. WATER TREATMENT**

D.I. ELITE  
CONTAINMENT TRAY



## TECHNICAL DEVICES COMPANY

*Nu/Clean AquaBatch XL  
Batch Cleaner*

### **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](mailto: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**

Freight Collect, 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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(310) 618-8437  
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[www.TechnicalDev.com](http://www.TechnicalDev.com)