



ULTRA™

Model 2216LE

Ultrasonic Vapor Degreasing System w/Optional Automated Basket Handling System

- Easy maintenance
- Spray wand for additional cleaning
- Excellent solvent containment & NESHAP Compliant
- Reduced Solvent & Operating Costs
- Compatible with variety of solvents
- 120% Freeboard
- Optional *Ground-Load* or *Top-Load* Basket Handling System Available

Manufactured in the USA by:

DIMENSIONS	
Ultrasonic Cleaning Tank	22"L x 16"W x 16" Deep
Vapor Cleaning Zone	44"L x 16"W x 15" Deep
Boil Tank	22"L x 16"W
Footprint Dimensions	68"L x 72"W x 66" High
FEATURES	
Ultrasonic Cleaning	1000 Watts of Power at 40 kHz Field replaceable components. Adjustable Power and Sweep.
Vapor Cleaning	Vapor Cleaning Zone above Boil Tank and Ultrasonic Tank
Spray Cleaning	Hand Spray Wand and Large Spray Reserve Tank
Filtration of Ultrasonic Tank	Continuous Filtration
Boil Tank Access Door	"Easy Ring" Door System
Ultrasonic Tank Access Door	"Easy Ring" Door System
SOLVENT CONTAINMENT	
NESHAP Compliant Features	Yes
Primary Condensing Coil	Refrigerated Stainless Steel
Low-Temp Freeboard Condensation Coil	Refrigerated Finned Stainless Steel operating at -10F to -20F
Freeboard Ratio	120%
Horizontal Slide Lid	Manual or Automated
Watlow Solvent Safety and Temperature Controls	HTC, LTC, SVC, VU, RT and Low-Level Float
Monitoring Vapor Degreaser's Correct Operating Condition	Comprehensive Indicator Light System and Temperature Displays
AUTOMATED PART CLEANING	
Automated Basket Handling System	Yes—Optional Ground Load or Top Load
OPERATING REQUIREMENTS	
Solvent Operating Requirement	46 Gallons
Typical Electrical Service	208V or 240V / 3 Phase

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Reliance Specialty Products, Inc.
154 Easy Street, Carol Stream, IL 60188
phone: 847.640.8923 Fax: 47.640.8974

**Please Call for a Price Quote
(847) 640-8923**

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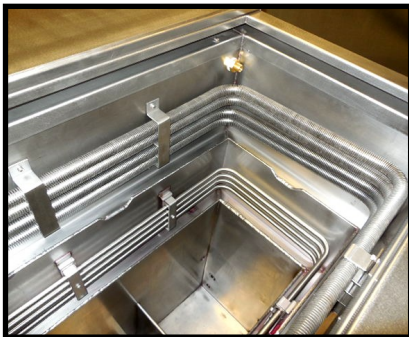
ULTRA™

State-of-the-Art Cleaning Performance

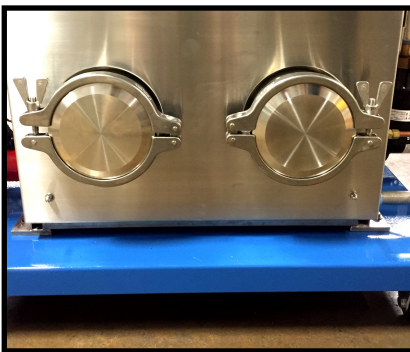
- **Reliability**
- **Simplicity**
- **Quality**



Foot Activated Spray Lance System



Primary & Sub-Zero Coils running standard refrigerant



Clean out doors on both the Boil Side & Immersion Side

ULTRA 2216LE Low Emission Features

- **NESHAP COMPLIANT** — Vapor Degreasing System
- **Solid Stainless Steel Construction** — Heavy Gauge 304 Stainless Steel used on tank, water separator, spray reserve tank, primary coil, low-temperature coil, lid system, tank access doors and tank fittings.
- **Stainless Steel Primary Condensing Coil** — New Copeland refrigeration system operating with standard R134A refrigerant.
- **Sub-Zero Temperature Condensing Coil** — Finned stainless steel condensation coil with Copeland R404A refrigeration operating to approximately -20F thus broadening the height of the solvent flash-off dwell zone for enhanced solvent containment.
- **Foot Activated Spray Lance System** — Mag-drive pump with distillate spray reservoir with “Vapor Up Safety Control” which requires presence of vapor to permit operation of spray wand.
- **High Volume Condensate Water Separator** — feeding spray reservoir
- **Ultrasonic Power – 1000 Watts @ 40 kHz** – field replaceable submersible transducers and plug in external ultrasonic generator for easy servicing. Provides for both Input adjustment & sweep frequency adjustment.
- **Ultrasonic Immersion Sump Filtration** and recirculation system with mag-drive pump.
- **Low-Level Float Safety System** — Ensures the minimum amount of solvent present in boil sump for proper system operation.
- **Digital Display Safety Control Panel with WATLOW Temperature Limit Controls** – Digital display on Control Panel: temperature set point as well as actual temperature SVC (Safety Vapor Control), HTC (High Temperature Control), LTC (Liquid Temperature Control) and RT (Refrigeration Temperature Control)
- **Comprehensive Indicator Light System on Control Panel**– Includes solvent low level float fault indicator lights (for easy identification of operating fault conditions). “Spray Ready” indicator light and zero coil “Defrost” indicator light, illuminated on/off switches for easy identification of system condition “Heat”, “Filtration”, Main Power”, “Refrigeration” and “Low-Temp Refrigeration”.
- **Horizontal Slide Lid** — for solvent containment. Optional power roll-top available.
- **Simple In & Out Electric Immersion Heater** — “Screw-In” Type Elements for easy replacement.
- **Two Sump Access “Easy Ring” Clean-Out Doors** — Boil Sump & Immersion Sump access for ease of maintenance though clean-out door rather than over the tank top.
- **One (1) stainless steel workbasket**
- **Comprehensive 1-Year Manufacturer’s Warranty**
- **ULTRA 2216LE Operator’s Manual**


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AUTOMATED BASKET HANDLING SYSTEMS

Touch Screen Controls

Optional



Part Basket 18" L x 13" W x 4" H

Horizontal-Vertical Lift (BHS) Systems

- **NESHAP Compliant Features:**
Minimizes worker solvent exposure & enhances solvent containment;
- **Labor Cost Savings:** Reduces or eliminates operator processing time;
- **Consistency:** Ensures each part cleaned to the same processing specification;
- **Customizable:** Create & select between 30 different part-cleaning recipes for different part-type processing.

Top Load



Features

- **Horizontal & Vertical Travel**—Position and length of dwell is PLC controlled.
- **Multiple Saved Part Processing Recipes** - PLC Controller allows up to 30 separate part cleaning cycles.
- **Safety and Vapor Degreaser Operating Interlocks** – Prevents automatic operation: if lid is not open, if heat is not operating, if system is not in full vapor reflux, or if there is lift operating system default.
- **Vapor Containment Enclosure** - 3 side transparent enclosure on horizontal surfaces for viewing of tank operation and mechanical components.

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Vapor Degreasing & Solvent Cleaning Experts

ULTRA 2216LE: Compatible with Non-Flammable Solvents

- ◆ **Simple Change over** — The ULTRA 2216LE is engineered to be compatible with a variety of solvents and in most cases a simple clean out and change of temperature settings is all that is required.
- ◆ **>100% Freeboard—helps with vapor containment**—so using chlorinated solvents like TCE, TCA, MCL and PERC is still possible.
- ◆ **Sub-Zero refrigeration coil**—in addition to the primary refrigeration system, makes using brominated solvents like *GenTech*, *EnTron* & *EnTron-Aero* or fluorinated solvents such as *AeroTron* an economical alternative.
- ◆ **Manual or Automated Slide-Lid**—provides additional solvent containment for the new generation of fluorinated solvents like *AeroTron* and helps reduce evaporation.



nPB Solvent for General
Metal Finishing



Boeing Approved nPB Solvent



Fluorinated Solvent for Precision
Vapor Degreasing

Benefits of Working with Reliance: Manufacturer of Solvents & Equipment



- ◆ **Comprehensive Vapor Degreasing Solution Provider**— Reliance is the *only* industry player that manufactures *both* vapor degreasing solvent and vapor degreasing equipment. Our vapor degreasing equipment manufacturing expertise combined with our years of working with a variety of solvent cleaning processes make us able to support our customers in a variety of practical ways.
- ◆ **Years of experience.** A unique history of developing solvents and manufacturing vapor degreasing equipment for precision aerospace, electronics and optics customers.



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