



Model 1212LE

**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
- Small Foot-Print
- On Casters for Mobility
- Compatible with Variety of Solvents
- 120% Freeboard

Manufactured in the USA by:



DIMENSIONS	
Ultrasonic Cleaning Tank	12"L x 12"W x 10" Deep
Vapor Cleaning Zone	24"L x 12"W x 10" Deep
Boil Tank	12"L x 12"W
Footprint Dimensions (without casters)	44"L x 44"W x 45.5" High
FEATURES	
Ultrasonic Cleaning	500 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
Immersion 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
Watlow Solvent Safety and Temperature Controls	HTC, LTC, SVC, VU, RT and Low-Level Float
Monitoring of Vapor Degreaser's Correct Operating Condition	Comprehensive Indicator Light System and Temperature Displays
AUTOMATED PART CLEANING	
BHE Automated Basket Handling Elevator	Yes—Optional
OPERATING REQUIREMENTS	
Solvent Operating Requirement	17 Gallons
Typical Electrical Service	208V or 240V / 1 Phase

RELSPEC.com

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

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ULTRA™

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

State-of-the-Art Cleaning Performance



Foot Activated Spray Lance System



Primary & Sub-Zero Coils running standard refrigerant



Simple Control Safety Panel

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ULTRA 1212LE Low Emission Features

- **NESHAP COMPLIANT** — Vapor Degreasing System
- **Solid Tank Construction** — Heavy Gauge 304 Stainless Steel
- **Stainless Steel Primary Condensing Coil** — New Copeland refrigeration system operating with R134A refrigerant
- **Sub-Zero Temperature Condensing Coil** — Finned stainless steel with Copeland R404A refrigeration system operating to approximately -20F to supplement primary condensation system. Includes defrost cycle, low-temperature condensing coil with condensate trough
- **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
- **Digital Display Safety Control Panel** — including HTC, LTC, SVC, VU, RT
- **Ultrasonic Power** — 500 Watts @ 40 kHz — field replaceable submersible transducers and plug in external ultrasonic generator for easy servicing
- **Ultrasonic Power** — Input adjustment & sweep frequency adjustment
- **Ultrasonic Immersion Sump filtration** and recirculation system with mag-drive pump
- **WATLOW Temperature Safety Limit Controls** with 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)
- **Solvent Low-Level Float Safety**
- **Control panel** with 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”
- **Manual Horizontal Slide Lid** — for solvent containment
- **Casters** — for easy movement
- **Electric Immersion heat** — “Screw-In” Type Elements for easy replacement
- **Two Sump Access Clean-Out Doors** — Boil Sump & Immersion Sump access for ease of maintenance through the clean-out door rather than over the tank top
- **One (1) stainless steel workbasket**
- **Comprehensive 1-Year Manufacturer’s Warranty**
- **ULTRA 1212LE Operator’s Manual**

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ULTRA™

State-of-the-Art Cleaning Performance

ULTRA 1212LE Benefits

- **Simple engineering** and stoutness of design for durability and ease-of-maintenance
- **Excellent training**— start-up, shut down, maintenance and good solvent cleaning work practices
- **Easy to support in the field** with accessible heating elements, clear temperature read-outs, sophisticated indicator light system, and updated refrigeration systems using standard refrigerant
- **Cost effective** operation and maintenance
- **Compact** footprint
- **Effective** with a variety of non-flammable solvents, including chlorinated, brominated & fluorinated
- **State-of-the-art** engineering based on a best practices for simplicity, field supportability and reliability
- **Minimal Solvent Emissions & Reduced Operating Costs** due to NESHAP compliant coils



Optional Vertical Basket Handling System for loads up to 25 lbs.



ULTRA 1212 LE—Electrical Panel with sophisticated temperature display & indicator light system

Options

- Increased tank depth for increased vapor zone
- Electric horizontal slide lid
- Additional baskets
- Solvent Containment Spill Tray
- Increased Ultrasonic Power
- Choice of vapor degreasing solvent including *EnTron*, *EnTron-Aero*, *GenTech* & *AeroTron*
- Automated Vertical Basket Handling System

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Vapor Degreasing & Solvent Cleaning Experts

ULTRA 1212LE: Compatible with Non-Flammable Solvents

- ◆ **Simple Change over** — The ULTRA 1212LE 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.
- ◆ **120% 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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