



# ULTRA™

## Model VS-4LE (2430)

### Vapor & Spray Degreasing Systems

- Easy maintenance
- Spray wand for additional cleaning
- Excellent solvent containment  
Low Emission NESHAP Compliant
- Reduced Solvent & Operating Costs
- Compatible with variety of solvents
- Customizable vapor zone depths & widths
- >100% Freeboard

Manufactured in the USA by:



DIMENSIONS	
Vapor Cleaning Zone	48"L x 24"W x 30" Deep
Footprint (approximate)	67"L x 69"W x 81" High
FEATURES	
Vapor Cleaning	Vapor Cleaning with Two Level Heat for added vapor when cleaning
Spray Wand Cleaning	Hand Spray Wand and Large Distillate Spray Tank
Spray Manifold Cleaning	Optional -Spray Manifolds
Tank Access/Maintenance Door	Large Access Door for Maintenance
Filtration	Optional - Filtration
SOLVENT CONTAINMENT	
NESHAP Compliant Features	Yes
Primary Condensing Coil	(External Chilled) Stainless Steel
Low-Temp Freeboard Condensation Coil	Refrigerated Finned Stainless Steel operating at -10F to -20F
Freeboard Ratio	> 100%
Horizontal Lid System	Manual or Power Roll Lid System
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
OPERATING REQUIREMENTS	
Solvent Operating Requirement	61 Gallons
Typical Electrical Service	480V, 240V or 208V / 3 Phase

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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

## ULTRA VS-4 Low Emission Features

- **NESHAP COMPLIANT** — Low-Emission Vapor Degreasing System
- **Solid Stainless Steel Construction** — 1/8" 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** — Requires chiller or facility chilled water.
- **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.
- **Hand-Operated 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 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)
- **Low-Level Float Safety System**—Ensures the minimum amount of solvent in boil sump for proper system operation.
- **Water Flow Safety Control & Water Flow Temperature Control**—ensures proper interaction between chiller and vapor degreaser.
- **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**—optional two-part lid with sections that meet at the middle of the tank sliding to the left and sliding to the right. Optional power roll-top available.
- **Two-Level Heat**—for expedited start up and additional vapor condensation.
- **Electric Immersion Heat**—Elements are mounted on Clean-Out Door for easy removal and maintenance.
- **Comprehensive 1-Year Manufacturer's Warranty**
- **ULTRA VS Operator's Manual**



Simple Control Panel with Comprehensive Indicator Lights



Hand Operated Spray Lance System



Sub-Zero Coils Operating at -20F for enhanced containment



Heating Elements Mounted on Clean-Out Door

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# ULTRA™

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

STATE-OF-THE-ART CLEANING PERFORMANCE

## ULTRA VS-4LE 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



ULTRA VS with chiller

## Options

- Electric horizontal slide lid
- Increased width or depth increases vapor zone
- Spray Manifolds
- Power Pump-Out of Boil and/or Immersion Chamber for easy removal of solvent
- Stainless Steel Basket Crash Guards
- Solvent Containment Spill Tray
- Boil Sump Filtration
- Boil Chamber Grate to suspend part basket above boiling solvent
- Upgraded Filtration System for high volume of contaminate
- Additional baskets
- Choice of vapor degreasing solvent including *EnTron*, *EnTron-Aero*, *GenTech* & *AeroTron*



ULTRA Model VS Electrical Panel with sophisticated temperature display & indicator light system

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## Vapor Degreasing & Solvent Cleaning Experts

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### ULTRA VS Systems are Compatible with Non-Flammable Solvents

- ◆ **Simple Change over** — The ULTRA Model VS Degreasers are 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 and NESHAP Compliant Features** —helps with *vapor containment*—so using chlorinated solvents like TCE, MC 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



Manufactured in the USA by:



- ◆ **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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