



## **Model VS-3LE (2424)**

### **Vapor & Spray System**

36"L x 24"W x 24" Deep

- 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

**Optional** Vapor Zone Widths 24", 30", 36", 42", or 48" Wide **Optional** Vapor Zone Depths 24", 30", 36", 42", or 48" Deep **Footprint Dimensions** 56"L x 72"W x 66" High (with feet) **FEATURES** Vapor Cleaning Vapor Cleaning Zone above Boil Tank and Ultrasonic Tank Hand Spray Wand and **Spray Cleaning** Large Spray Reserve Tank Filtration of Boil Tank Optional Filtration Boil Tank Access Door Large Access Door System Spray Wand Yes; Optional Spray Manifolds **SOLVENT CONTAINMENT NESHAP Compliant Features** Primary Condensing Coil (External Chilled) Stainless Steel Low-Temp Freeboard Refrigerated Finned Stainless Steel Condensation Coil operating at -10F to -20F Freeboard Ratio > 100% Horizontal Slide Lid Manual or Automated HTC, LTC, SVC, VU, RT and Watlow Solvent Safety and **Temperature Controls** Low-Level Float Monitoring Vapor Degreaser's Comprehensive Indicator Light Correct Operating Condition System and Temperature Displays **OPERATING REQUIREMENTS** Solvent Operating Requirement

35 Gallons

Manufactured in the USA by:



## **RELSPEC.com**

Typical Electrical Service

DIMENSIONS Vapor Cleaning Zone

Please Call for a Price Quote Reliance Specialty Products, Inc. 154 Easy Street, Carol Stream, IL 60188 (847) 640-8923 phone: 847.640.8923 Fax: 47.640.8974

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480V, 240V or 208V / 3 Phase



State-of-the-Art Cleaning Performance

## **ULTRA VS-3 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.
- One (1) stainless steel workbasket
- Comprehensive 1-Year Manufacturer's Warranty
- ULTRA VS Operator's Manual

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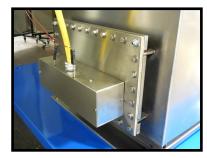
**Simple Control Safety Panel** 



**Hand Operated Spray Lance System** 



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



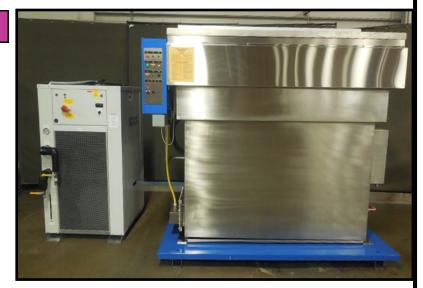
Heating Elements Mounted on Clean-Out Door



State-of-the-Art Cleaning Performance

#### **ULTRA VS-3LE 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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# **Peliance** 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.
- nPB Solvent for General Metal Finishing
- ◆ 120% 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.
- Boeing Approved nPB Solvent
- Manual or Automated Slide-Lid—provides additional solvent containment for the new generation of fluorinated solvents like AeroTron and helps reduce evaporation.



## **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.

## <u>Reliance</u>

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