

TECHNICAL DATA SHEET

All-in-One Lightweight Double Wall Exhaust



DWKL-Lt



PRODUCT LINE

DWKL-Lt - All-in-One Lightweight Double Wall Exhaust

APPLICATIONS

- Stainless steel all-in-one chimney, vent, or exhaust system for condensing boilers or those that use high temperatures not exceeding 1400°F continuous
- For connecting heating appliances and engines to the outdoors under negative or positive pressure
- Applicable for all fuels: gas, oil, wood, and any other solid fuels



PURPOSE

- Factory built to eliminate welding in the field
- Assurance of finest quality and reliability
- Factory insulated for single trade installation

UL and ULC LISTINGS

1. UL-103 Standard, Building Heating Appliance Chimney (Industrial Type 540°C Chimney)
2. UL-103 Standard, Additional Type HT Listing at 2100°F
3. UL-2561 Standard, 1400°F Chimney Listing (Industrial Type 760°C Chimney)
4. UL-103 & UL-2561 Standards, Additional Positive Pressure Listing to 90" WC after 1400°F
5. UL-1978 Standard, Grease Duct (ULC-S662 Standard for Factory-Built Grease Ducts)
6. UL-1738 Standard, Venting Systems for Gas-Burning Appliances, Categories II, III & IV (ULC-S636 Standard for Type BH Gas Venting Systems)
7. UL-441 Standard, Gas Vents (ULC-S605 Standard for Gas Vents)
8. UL-641 Standard, Type L Low-Temperature Vent (ULC-S609 Standard for Low-Temperature Vents Type L)

MATERIALS

- Inner liner made of high-grade, 0.020" thick, 444 or 316L stainless steel
- 1.5" thick ceramic fiber compressed into a 1.25" space
- Outer jacket made of high-grade 0.025" thick 304 stainless steel
- All supports and accessories are stainless steel

CONNECTION/INSTALLATION DETAILS

- Conical 2.2" overlapping joint
- Requires tapping to fully engage
- Use KL-Paste, a ceramic and mineral oil-based manufacturing paste, to help facilitate an easy engagement
- Does not use silicone or sealant to make the high-pressure seal
- Outer jacket flashes over the one below, so sealant is not required on the outer jacket when exposed to weather



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SPECIFICATIONS

Diameters	3", 4", 5", 6", 7", 8", 9", 10", 11", 12", 13", 14", & 16" (larger diameters can be special ordered)
Available Lengths	9", 12", 18", 24", 30", 36", 42", & 48" (or any fixed length between)
Available Fittings	Any elbow or tee, over 80 catalog fittings per each diameter
Available Accessories	All-stainless supports, guides, hangers, and adapters - over 25 accessories per each diameter.

FEATURES

- All-stainless with Limited Lifetime Warranty
- Leak proof conical high-pressure joints
- Cut length available for maximum field flexibility
- Smooth flow and known resistance for perfected factory pressure calculations
- Low and man-safe skin temperatures
- Dramatically reduces clearance to combustibles

CONTROLLING DIMENSIONS

- Shows the minimum (and standard) inside gore dimensions for fittings
- Use these dimensions when ordering any special or custom part
- Jeremias encourages custom built items to provide the best solutions to our customers

