

Technical Data Sheet

Thick Wall Gas & Oil Vent

DWKL - Rx

Product Line

DWKL - Rx - Thick Wall Conical Joining Gas & Oil Vent



Purpose

Factory built eliminates welding in the field.

Assurance of finest quality and reliability.

Factory insulated so single trade installation.

Applications

All-stainless and fiber insulated chimney or vent for condensing boilers or those that use high temperatures not exceeding 1200°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.

DWKL-Rx+2 gives you an equal to R8 insulation value for exterior routings.



Materials

- Inner liner made of special ferritic high-grade ASTM 444 stainless steel
 - 3" through 5" = 0.020" thick (DWKL-Vt variation)
 - 6" through 36" = 0.035" thick
- Fiber insulation at:
 - 1.25", 2.25", 3.25", 4.25", 5.25", or 6.25" thick
- Outer jacket made of ASTM 304 stainless steel
 - 3" through 24" = 0.025" thick
 - 26" through 36" = 0.035" thick
- All supports and accessories are ASTM 304 stainless steel.



UL Listings (and ULC)

- UL-103 Standard, Building Heating Appliance Chimney (Industrial Type 540°C Chimney)
- UL-103 & UL-2561 Standards, Additional Positive Pressure Listing to 90" WC after 1400°F
- UL-1738 Standard, Venting Systems for Gas-Burning Appliances, Categories II, III & IV (ULC-S636 Standard for Type BH Gas Venting Systems)
- UL-441 Standard, Gas Vents (ULC-S605 Standard for Gas Vents)
- UL-641 Standard, Type L Low-Temperature Vent (ULC-S609 Standard for Low-Temperature Vents Type L)

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.

Features

- All-stainless with 25-year 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.

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Product Specifications

DWKL - Rx - Thick Wall Conical Joining Gas & Oil Vents

Diameters	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, & 36
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, adapters, over 25 accessories per each diameter
Insulation Thickness	-RX = 1.25" -Rx+2 = 2.25" -Rx+3 = 3.25" -Rx+4 = 4.25" -Rx+5 = 5.25" -Rx+6 = 6.25"

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.

