

Technical Data Sheet

DWKL with FastWrap

DWKL - FW

Product Line

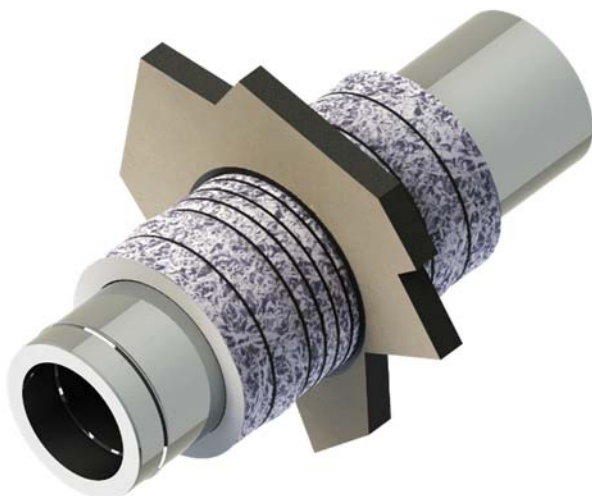
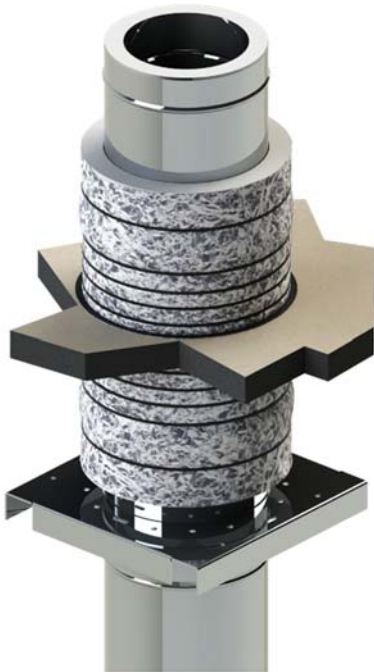
DWKL-FW - Zero Clearance, Fire Rated Gas Vent & Grease Duct



Applications

Any duct or Gas Vent application with flue gases less than 500°F continuous.

Added wrap to make DWKL a Zero Clearance and fired rated duct assembly for Grease Ducts and Gas Vent systems.



Purpose

Safety of zero clearance and fire rated shaft - no need for rated shaft assemblies.

Factory built eliminates welding in the field.

Approvals and Certifications

Engineering Judgement from Thermal Ceramics for Jeremias DWKL UL-1978 500°F Listings.

Where Jeremias uses Thermal Ceramics 1.5" thick 8 PCF SuperWool blanket between DWKL and DWKL-Lt liner and outer jacket.

Where Thermal Ceramics uses two (2) layers of 1.5" thick 6 PCF SuperWool blanket for their FastWrap® systems.

So adding one (1) layer of Thermal Ceramics 1.5" thick 6 PCF FastWrap® XL to the installed DWKL provides for zero clearance and 2-hour fire rated enclosure.

Jeremias advises approval of the local authority having jurisdiction before installing the FastWrap® XL blanket on the DWKL duct.

Materials

- Inner liner made of special ferritic high-grade ASTM 444 stainless steel.
 - 3" through 5" = 0.020" thick (DWKL-Lt variation)
 - 6" through 36" = 0.035" thick
- Ceramic fiber insulation, 1.5" thick compressed into 1.25" space.
- Outer jacket made of ASTM 430 stainless steel.
 - 3" through 24" = 0.025" thick
 - 26" through 36" = 0.035" thick
- Thermal Ceramics FireMaster® FastWrap® XL wrap field applied around installed DWKL.

Connection / Installation Details

Standard DWKL with 2.2" overlapping and silicone-free joint.

Use KL-Paste, a ceramic and mineral oil based manufacturing paste, to help facilitate an easy engagement.

Follow separate installation instructions for Thermal Ceramics FireMaster® FastWrap® XL.

Features

- All-stainless with 25-year warranty.
- Leak proof conical high pressure joints.
- Smooth flow and known resistance for perfected factory pressure calculations.
- Zero clearance and 2-hour fire rated so it virtually eliminates the requirements for an additional fire rated shaft.