

TECHNICAL DATA SHEET

Heat Shield for Double Wall

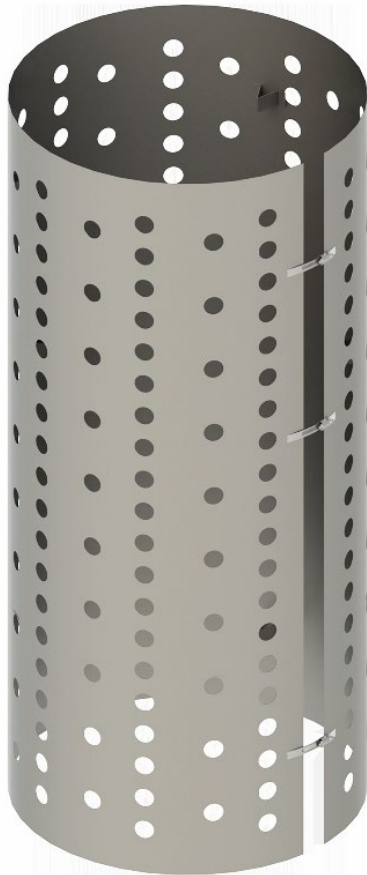
HSDW

PRODUCT LINE

HSDW - Heat Shield for Double Wall

APPLICATIONS

- The Heat Shield is a lightweight all-stainless ventilated shield intended to lower the skin temperature of an installed DWKL and DWFL, in all variations of our Double Wall exhaust systems where personnel might be able to touch the installed system
- It is applicable for all types of heating appliances and engines and does not affect the UL Listings of the DWKL and DWFL
- Applicable for all fuels: gas, oil, wood, and any other solid fuels



PURPOSE

- To provide skin-safe temperatures without requiring expensive, heavy insulation
- Up to 1000°F continuous flue gas temperatures:
 - 70°F rise skin temperature
- Up to 1200°F continuous flue gas temperatures:
 - 80°F rise skin temperature
- Up to 1400°F continuous flue gas temperatures:
 - 90°F rise skin temperature

APPLICABLE UL & ULC LISTINGS

- UL-103 Standard, Building Heating Appliance Chimney (Industrial Type 540°C Chimney)
- UL-103 Standard, Additional Type HT Listing
- UL-2561 Standard, 1400°F Chimney Listing (Industrial Type 760°C Chimney)
- UL-1978 Standard, Grease Duct (ULC-S662 Standard for Factory-Built Grease Ducts)
- 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)

MATERIALS

- Made of ASTM 304 or 430 stainless-steel
 - 3" through 24" = 0.025" thick
 - 26" through 36" = 0.035" thick
- All brackets and worm gears are ASTM 304 stainless-steel

CONNECTION/INSTALLATION DETAILS

- The DWKL System must be completely assembled and supported before installing the HSDW
- Unwrap the Heat Shield - Factory packaged and delivered in a tight roll (typically inside a SWKL pipe length, or by itself with straps holding its cylindrical shape)
- Place Heat Shield around the installed DWKL pipe
- Tighten the worm gears to a snug fit, the spacing clips will hold the Heat Shield in place in both horizontal and vertical installations



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PRODUCT SPECIFICATIONS

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	Any length up to 48"
Available Fittings	Any elbow or tee, factory can precut or can be cut in the field
Available Accessories	Extra spacers are available for cutting in the field

FEATURES

- All stainless-steel with Limited Lifetime warranty
- Can be easily field cut as needed for maximum field flexibility
- Lighter weight and reduced footprint than heavier insulated options
- Provides safety for skin-safe temperatures

CONTROLLING DIMENSIONS

The HSDW provides 1 ½" airspace, thus is 3" larger than the DWKL/DWFL Outside Dimension (OD)

