

DuraStack[®]



**A Modular Double-Wall Positive Pressure
Chimney System. Factory Built for Boiler
Breeching, Engine Exhaust, and Chimney
Stack. Grease Duct (DIS only)**

DuraVent[®]

Applications

DuraStack® DIS and DAS venting systems are designed to offer the ultimate in installation convenience and versatility for a variety of applications. For use as a modular double-wall positive pressure chimney designed for use with boiler breeching and stack, engine exhaust and grease duct (DIS only). Thick-gauge material for the inner pipe and coupling provides a strong and rigid assembly. Self-centering flue design significantly simplifies and accelerates the installation process. Coupling configuration (patent pending) requires only one locking band and the use of a regular, less expensive, high-temperature silicone sealant.

DuraStack DIS or DAS Chimney are cylindrical, prefabricated, modular venting systems incorporating a unique extended inner flange designed for both quick assembly and pressure sealing capability. Model DIS is lined with the highest-quality insulation, a 2" of mineral fiber insulation, densely packed to ensure low heat loss, maximum draft and a 1" clearance to combustible materials. DAS is air insulated. The circular cross section and high quality stainless steel inner flue construction provide for a system with high strength-to-weight ratio and low friction losses.



Diameters

Both DuraStack DIS and DAS are available in 5" - 36" diameters.

Listings



DuraVent's DuraStack DIS/DAS venting systems have been tested and listed by Intertek Testing Services (ETL) to UL/ULC Standards: **USA:** UL 103: 60" Positive-Pressure Chimney, Building Heating Appliance Chimney, 1400°F Chimney; UL 1978 Grease Duct-DIS only **Canada:** ULC/ORD C959: 1000°F and 1400°F rating; ULC S604: Type A chimney, NFPA211, NFPA31, NFPA37, NFPA96, CSA-B149

Materials and Construction

Materials and Construction						
Diameters	Material		Thickness		Joint	
	Exterior	Interior	Exterior	Interior	Exterior	Interior
5" - 12"	304, 316, Galvalume	304, 316	0.018"	0.035"	Laser Weld	Laser Weld
14" - 24"	304, 316, Galvalume	304, 316	0.018"	0.035"	Pittsburg Lock	Plasma Weld
26" - 36"	304, 316, Galvalume	304, 316	0.024"	0.035"	Pittsburg Lock	Plasma Weld

Clearances

Clearances and Operating Temperatures			
Criteria	Restaurant Grease Duct (DIS only)	Building Heating Appliance Chimney	1400° Factory-Built Chimney
Applications	<ul style="list-style-type: none"> • Cooking Appliances • Ventilation Hoods • Restaurant Grease Ducts • Pizza Oven Exhaust 	<ul style="list-style-type: none"> • Low- and High-Pressure Steam Boilers • Diesel and Turbine Exhaust • Building Heating Equipment 	<ul style="list-style-type: none"> • Industrial Furnaces • Processing Equipment • Kilns and Ovens • Diesel and Turbine Exhaust
Maximum Operating Temperatures	<ul style="list-style-type: none"> • 500°F Continuous • 2000°F Intermittent 	<ul style="list-style-type: none"> • 1000°F Continuous • 1400°F Intermittent 	<ul style="list-style-type: none"> • 1400°F Continuous • 1800°F Intermittent
DIS Clearance to Combustibles	2"	1"	1"
DAS Clearances to Combustibles	N/A	4"	4"

Features & Benefits

- **Self-Centering:** DuraStack DIS and DAS components line up easily and quickly allowing for a fast and efficient installation.
- **Joint Sealing on Outside Casing Only:** Allows for lower temperature at locking/sealing location and for the use of less expensive high-temperature silicone sealant. The awkward inner band is eliminated, allowing for an easier install.
- **Thinner-Gauge Material on Outside Casing:** Lowers weight and eases installation.