

Combustion Air System

**Triple-wall stovepipe system
designed to provide air for combustion
through its components.**

ULC S641.

DVL®

**Double-wall interior
close clearance stovepipe for
connecting woodstoves to chimney.**

ULC S641.

DuraBlack®

**Single-wall interior
stovepipe for connecting
woodstoves to chimney.**



Specifications

Applications

Triple-wall chimney system designed to provide air for combustion through its components. Provides a 3" air intake for the appliance.

Materials and Construction

.016" stainless steel inner wall.
.018" galvalume middle wall.
.018" galvalume outer, painted black.

Clearances

6" clearance to walls. 8" clearance to ceiling on horizontal pipe that runs below the ceiling.

Diameters

6" and 8"

Listing

ULC-S641
c-UL-us



ULC S641 System

Combustion Air System For DuraTech®, DuraTech® Canada and DuraPlus® HTC

The Combustion Air System (CAS) is a system designed to bring in outside combustion air directly to your wood stoves. This eliminates the use of conditioned inside air for combustion, improving the efficiency of central heating systems.

Combustion Air System is a patent-pending design that pre-heats combustion air. Inbound air is circulated through baffles around the heated areas of the support box or wall thimble. For DuraTech and HTC, the pre-heated air is supplied between the stove pipe's 2nd and 3rd wall, while the 1st wall maintains high stove temperatures.

CAS enables outside air to be used as combustion air below grade. The wall thimble for wood stoves provides combustion air to appliances used in below grade (basement) installations. Wood stoves utilize the triple wall stove pipe. CAS also minimizes down-drafts in below grade installations. It does not consume warm indoor air for combustion and not subject to oxygen starvation, poor draft and other problems associated with 'tight' energy efficient homes.

This system simplifies installation with only one wall or ceiling penetration, eliminating the need for a second penetration in the building envelope to introduce combustion air. The design is simple and elegant with decorative black finish. All products are factory finished in matte black.

Combustion Air Systems is also available for pellet stoves, see details in the PelletVent Pro section of the catalog.



Single- and Double-Wall Stovepipe Systems

DVL double-wall or DuraBlack single-wall stovepipe completes the venting system when used with one of DuraVent's chimney products, such as DuraTech, DuraTech Canada, DuraPlus, or DuraPlus HTC.

DVL®

DVL's double-wall, air-insulated design reduces clearances to combustibles from 18" to 6", the closest clearance to a wall of any connector pipe. DVL improves stove performance by maintaining high flue gas temperatures for a strong, steady draft. Because the inner wall is stainless steel the flue heats up faster, stays hot longer, minimizes the formation of creosote, and has the same life expectancy as the chimney. Adjustable lengths eliminate the need for cutting or crimping.

Required for Manufactured Home installations. See appliance manufacturer's installation instructions.

DuraBlack®

For an economical, drip free, single-wall stovepipe, DuraBlack is an excellent choice. Built to DuraVent's high standards, DuraBlack is constructed with die-formed end fittings. Adjustable lengths eliminate the need for cutting and crimping. Available in 24 gauge lock-seam, 22 gauge stainless steel and heavy duty 22 gauge welded seam.



Specifications

DVL

Applications

Double-wall interior stovepipe for connecting wood stoves to manufactured chimney.

Materials and Construction

.016" stainless steel inner wall.
.018" galvanized outer, painted black.

Clearances

6" clearance to walls. 8" clearance to ceilings, including cathedral ceilings.

Diameters

6" - 8"

Listings

c-UL-us listed to ULC S641 (MH14089).



DuraBlack

Applications

Single-wall interior stovepipe for connecting wood stoves to manufactured chimney.

Materials and Construction

DuraBlack: 24-gauge steel construction. Lock-seamed. Painted black.

DuraBlack Welded: 22-gauge steel construction.

DuraBlack Stainless Steel: .020" 430 stainless steel

Diameters

DuraBlack: 6" - 10"

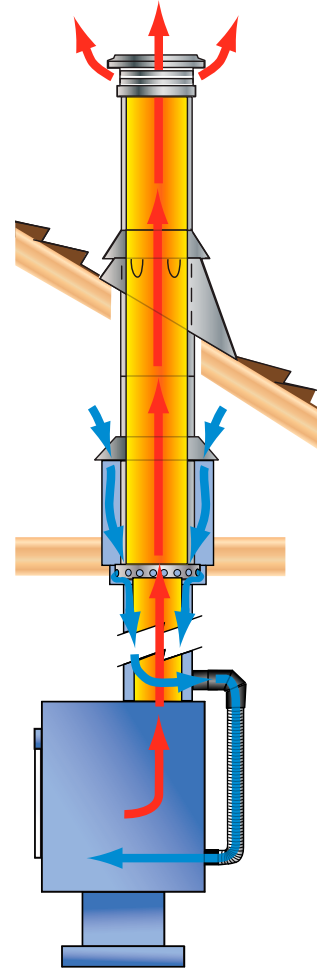
DuraBlack Welded: 6"

DuraBlack Stainless Steel: 6" and 8"

Bring In the Fresh Air

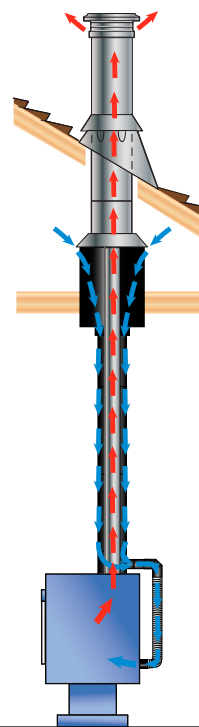
Combustion Air System For DuraTech, DuraTech Canada and DuraPlus HTC

CAS system for DuraTech and DuraPlus HTC can be used with both vertical (through-the ceiling) and horizontal (through-the-wall) chimney installations. DuraTech & DuraPlus HTC CAS wood stove systems are available in 6" and 8" chimney diameters, using system specific triple-wall connector pipe, elbows, and tees to deliver combustion air to the appliance from outside the room through the chimney penetration, eliminating the need for a separate penetration in the structure for combustion air intake.

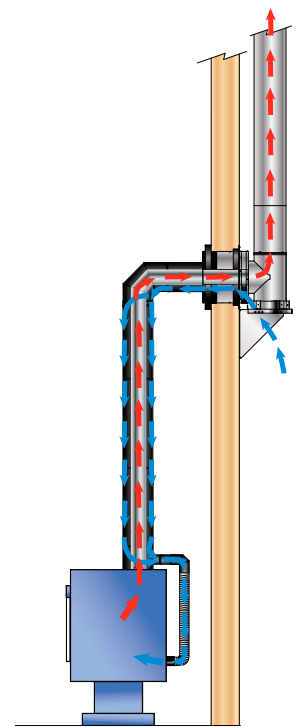


Ceiling Support Box

Fresh air is drawn and warmed through the top of the ceiling support box in the attic. The air continues down an inner chamber of the combustion air stove pipe, and stubs out at the top of the stove or tee. Aluminum flex completes the connection to the appliance.

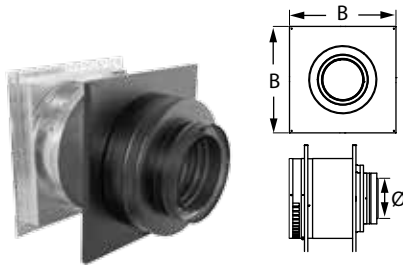


Vertical Installations



Through the Wall Installation

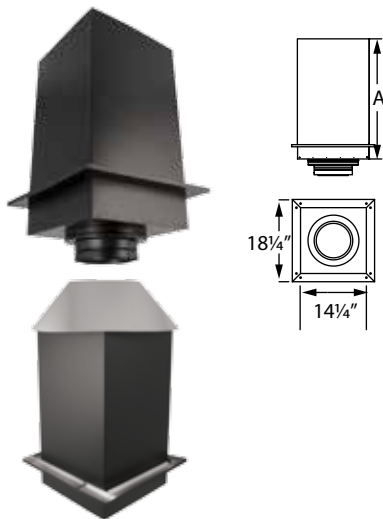
Combustion Air Wall Thimble



Provides connection between DuraTech or DuraPlus HTC chimney systems and the Combustion Air Stovepipe. Adjusts to fit wall thicknesses from 5 1/2" to 10". Extends into room 6". Painted black. Patent-pending.

DURATECH		
SIZE	6"	8"
A	6"	6"
B	16"	18"
ORDER #	6CAS-WTDT	8CAS-WTDT
STOCK #	810000865	810000879
DURAPLUS HTC		
SIZE	6"	8"
A	6"	6"
B	16"	18"
ORDER #	6CAS-WHTC	8CAS-WHTC
STOCK #	810000866	810000880

Combustion Air Ceiling Support w/ Collar



Provides connection between DuraTech or DuraPlus HTC chimney systems and the Combustion Air Stovepipe. Available in 24" or 36" heights, the Ceiling Support Box acts as an attic insulation shield with the addition of a Storm Collar. Ceiling Support extends a total of 7-1/2" below the ceiling. Black.

DURATECH				
SIZE	6"	6"	8"	8"
A	24"	36"	24"	36"
ORDER #	6CAS-CS24DT	6CAS-CS36DT	8CAS-CS24DT	8CAS-CS36DT
STOCK #	810000867	810000869	810000881	810000883
DURAPLUS HTC				
SIZE	6"	6"	8"	8"
A	24"	36"	24"	36"
ORDER #	6CAS-CS24HTC	6CAS-CS36HTC	8CAS-CS24HTC	8CAS-CS36HTC
STOCK #	810000868	810000870	810000882	810000884

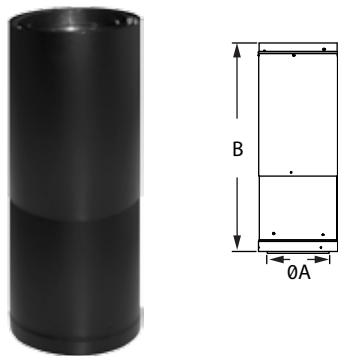
Combustion Air Stovepipe



Used to connect the stove to either the DuraTech or DuraPlus HTC chimney systems. Exhaust gases are carried within the inner wall, and combustion air is conducted from the Support Box or Wall Thimble between the middle and outer walls. Available in 12" fixed lengths and three telescoping adjustable lengths (see below). Triple-wall. Painted black.

SIZE	6"	8"
A	6"	8"
ORDER #	6CAS-12	8CAS-12
STOCK #	810000871	810000885

Combustion Air Adjustable Stovepipe



Used to connect the stove to either the DuraTech or DuraPlus HTC chimney systems. Exhaust gases are carried within the inner wall, and combustion air is conducted from the Support Box or Wall Thimble between the middle and outer walls. Available in three telescoping adjustable lengths: 14" - 24", 29" - 46", and 44" - 68". Triple-wall. Painted black.

SIZE	6"	6"	6"	8"	8"	8"
A	6"	6"	6"	8"	8"	8"
B	14"-24"	29"-46"	44"-68"	14"-24"	29"-46"	44"-68"
ORDER #	6CAS-24A	6CAS-46A	6CAS-68A	8CAS-24A	8CAS-46A	8CAS-68A
STOCK #	810000872	810000873	810000874	810000886	810000887	810000888

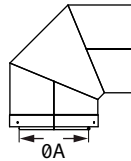
Combustion Air 45° Elbow



Use for the Combustion Air System stovepipe when an offset is needed.

SIZE	6"	8"
A	6"	8"
ORDER #	6CAS-E45	8CAS-E45
STOCK #	810000875	810000889

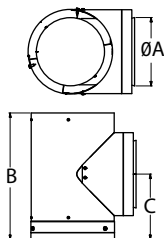
Combustion Air 90° Elbow



Use for the Combustion Air System stovepipe when an offset is needed.

SIZE	6"	8"
A	6"	8"
ORDER #	6CAS-E90	8CAS-E90
STOCK #	810000876	810000890

Combustion Air Tee



Use for the Combustion Air System stovepipe when attaching to rear-exit stoves.

SIZE	6"	8"
A	6"	8"
B	11 5/8"	14 1/2"
C	6 5/8"	7 1/4"
ORDER #	6CAS-T	8CAS-T
STOCK #	810000877	810000891

Combustion Air Stove Top Kit



Includes CAS Stovetop Adapter, 3" Aluminum Flex, 3" to 2" Decreaser, 3" single-wall Adjustable Elbow, & Hose Clamps.

SIZE	6"	8"
ORDER #	6CAS-ADK	8CAS-ADK
STOCK #	810000878	810000892