

HYBRID-FYRE[®] FLUSH WOOD INSERTS



**CLEANEST
BURNING
WOOD INSERTS
IN THE
WORLD**



Large Flush Wood Hybrid-Fyre® Insert

The Avalon® Large Flush Wood Hybrid-Fyre® Insert is one of the cleanest and most efficient wood burning inserts in the world! This insert burns so clean that it emits virtually no smoke or carbon monoxide, with less than one gram of emissions per hour and an impressive 80% EPA-tested overall efficiency. Hybrid-Fyre® is an award-winning technology that uses less wood to burn cleaner, hotter, long lasting fires that will save you both fuel and money.

This insert features a sleek, flush design that includes a beautiful rectangular door and a massive viewing area. Its large 3 cubic foot firebox allows you to burn more wood for longer periods of time, while standard concealed fans increase the circulation of heat to provide warmth up to 2,500 square feet.

<p>EPA Phase II Approved 0.58 Grams/Hour <i>As tested using EPA B-415.1 standard</i></p>	<p>Overall Efficiency 80.3%</p>	<p>Heating Capacity Up to 2,500 Sq. Ft.**</p>	<p>Up to 83,220 BTU's/Hr. with Cord wood*</p>	<p>10-12 Maximum Burn Time <i>Cord Wood</i></p>	<p>3.0 Cubic Foot Firebox</p>
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Dare To Compare

When compared to any other large wood fireplace insert on the market, you will find that the Large Flush Wood Hybrid-Fyre® Insert is the best choice. We dare you to compare!

- Accommodates 24" logs.
- Heavy gauge 5/16" & 3/16" steel plate construction.
- Huge glass viewing area: 24-1/2" W x 13" H
- Built-in bypass damper that allows for easy fire startups and smoke-free reloading of wood.
- Approved for masonry and zero clearance fireplaces.
- Very clean appearance that is flush to the hearth.
- Twin 90 CFM convection fans come standard and greatly improve the transfer of heat into the home.
- Unique air wash system channels air across the front of the glass, keeping it clear of soot.
- A Wood Moisture Meter comes with the insert. This allows you to test your wood to ensure it is dry and will burn efficiently.
- Insert Wiring Kit option allows for a U. L. approved hard-wire connection within the firebox, eliminating the power cord running across the hearth.
- Optional adjustable offset adapter allows for vent installation into fireplaces with limited space.
- Optional GreenStart™ Igniter makes starting your fire as easy as a push of a button.

Surround Panels

Designed to finish off the fireplace opening behind the face.

Coverage Area:

SMALL - 42" Wide x 32-1/2" Height

LARGE - 47" Wide x 35" Height

Custom rectangular or arched sizes are available by special order.

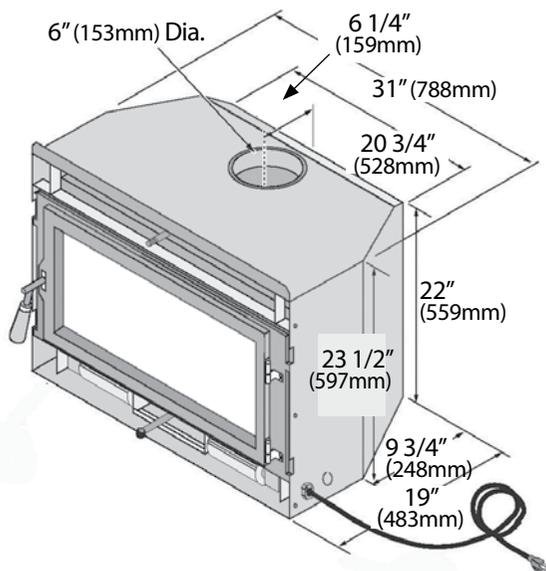
Chimney Venting

Avalon has partnered with Duravent Mfg. to offer great cost effective venting options specifically designed for the Flush Wood Inserts.

Both Masonry and ZC Liner Kits Include:

6" 304 stainless steel flex pipe, insert adapter, and factory built termination components. Available in 15', 25', and 35' lengths.

Dimensions



Face Options



Times Square™ Face
37-3/4" W x 25-3/4" H



Universal™ Face
35-7/16" W x 26-1/4" H



Cypress™ face featuring built-in
Halogen Accent Lights
40" W x 26-1/4" H

IMPORTANT NOTES: With any wood burning Fireplace, Stove or Insert, the appliance is extremely hot during operation. Read and understand all operating instructions before using this appliance.

*Cord Wood test results showing realistic BTU's using Cord Wood logs with regular refueling. Heat output will differ on chimney draft as well as type, moisture content and size of wood.

**Square-foot heating capacities, overall efficiencies and burn times can vary depending upon home design and insulation, ceiling heights, climate, condition and type of wood used, appliance location, burn rate, installed accessories, chimney installation and how the appliance is operated.



Small Flush Wood Hybrid-Fyre® Insert

The Avalon® Small Flush Wood Hybrid-Fyre® Insert is an extremely efficient source of heat for any home and one of the cleanest burning inserts on earth. Featuring the award-winning Hybrid-Fyre® technology, this insert produces an incredibly high EPA-tested efficiency, while emitting only 0.89 grams of emissions per hour. Hybrid-Fyre® allows you to burn clean fires for long periods of time that produce more heat, ultimately saving you money and trips to your wood pile.

The compact size of this insert features a unique design that allows it to fit virtually anywhere and its beautiful flush appearance will complement any home's style. A transitional rectangular door and ceramic glass viewing area showcase the fire, while concealed fans help circulate the heat up to 1,000 square feet.

EPA Phase II Approved 0.89*Grams/Hour <i>As tested using EPA B-415.1 standard</i>	Overall Efficiency 76.5%	Heating Capacity Up to 1,000 Sq. Ft.**	Up to 47,000 BTU's/Hr. with Cord wood*	7 Maximum Burn Time <i>Cord Wood</i>	1.2 Cubic Foot Firebox
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Dare To Compare

When compared to any other small wood fireplace insert on the market, you will find that the Small Flush Wood Hybrid-Fyre® Insert is the best choice. We dare you to compare!

- Accommodates 18" logs.
- Heavy Gauge 5/16" & 3/16" steel plate construction.
- Glass viewing dimensions: 18" W x 8" H.
- Weight: 265 lbs. (118kg).
- Built-in bypass damper that allows for easy fire startup and smoke-free reloading of wood.
- Very clean appearance that is flush to the hearth.
- Unique air wash system channels air across the front of the glass, keeping it clear of soot.
- Twin 90 CFM convection fans come standard and greatly improve the transfer of heat into the home.
- Designed to fit into small zero clearance or masonry fireplaces.
- A removable flue collar and optional adjustable offset adapter allows for vent installation into fireplaces with limited space.
- A Wood Moisture Meter comes with the insert. It will allow you to test your wood to ensure it is dry and will burn efficiently.
- Insert Wiring Kit option allows for a U. L. approved hard-wire connection within the firebox, eliminating the convection fan power cord running across the hearth.
- Optional GreenStart™ Igniter makes starting your fire as easy as a push of a button.

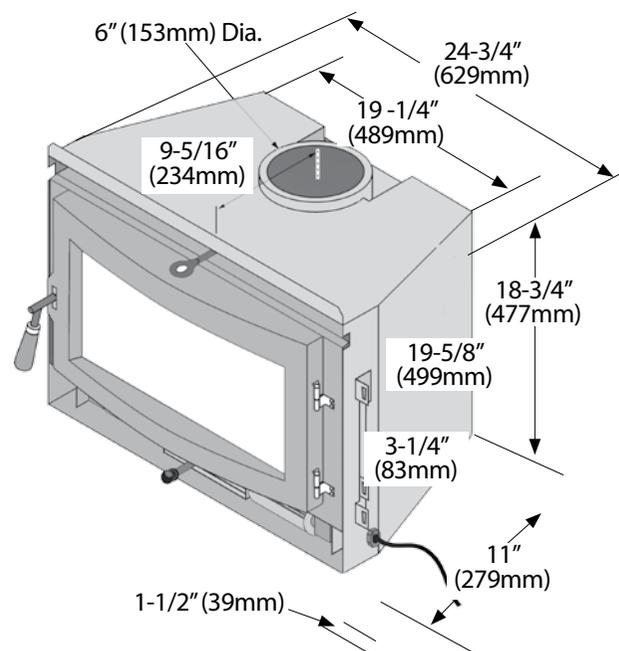
Chimney Venting

Avalon has partnered with Duravent Mfg. to offer great cost effective venting options specifically designed for the Flush Wood Insert.

Both Masonry and Z. C. Liner Kits Include:

6" 304 stainless steel flex pipe, inserts adapter, and factory built termination components. Available in 15', 25', and 35' lengths.

Dimensions



Decorative Face Option



Universal Face™ Face
30"W x 21 1/2"H

Surround Panels

Designed to finish off the fireplace opening behind the face.

Coverage Area: 38" W x 25" H

Custom rectangular or arched sizes are available by special order.

IMPORTANT NOTES: With any wood burning Fireplace, Stove or Insert, the appliance is extremely hot during operation. Read and understand all operating instructions before using this appliance.

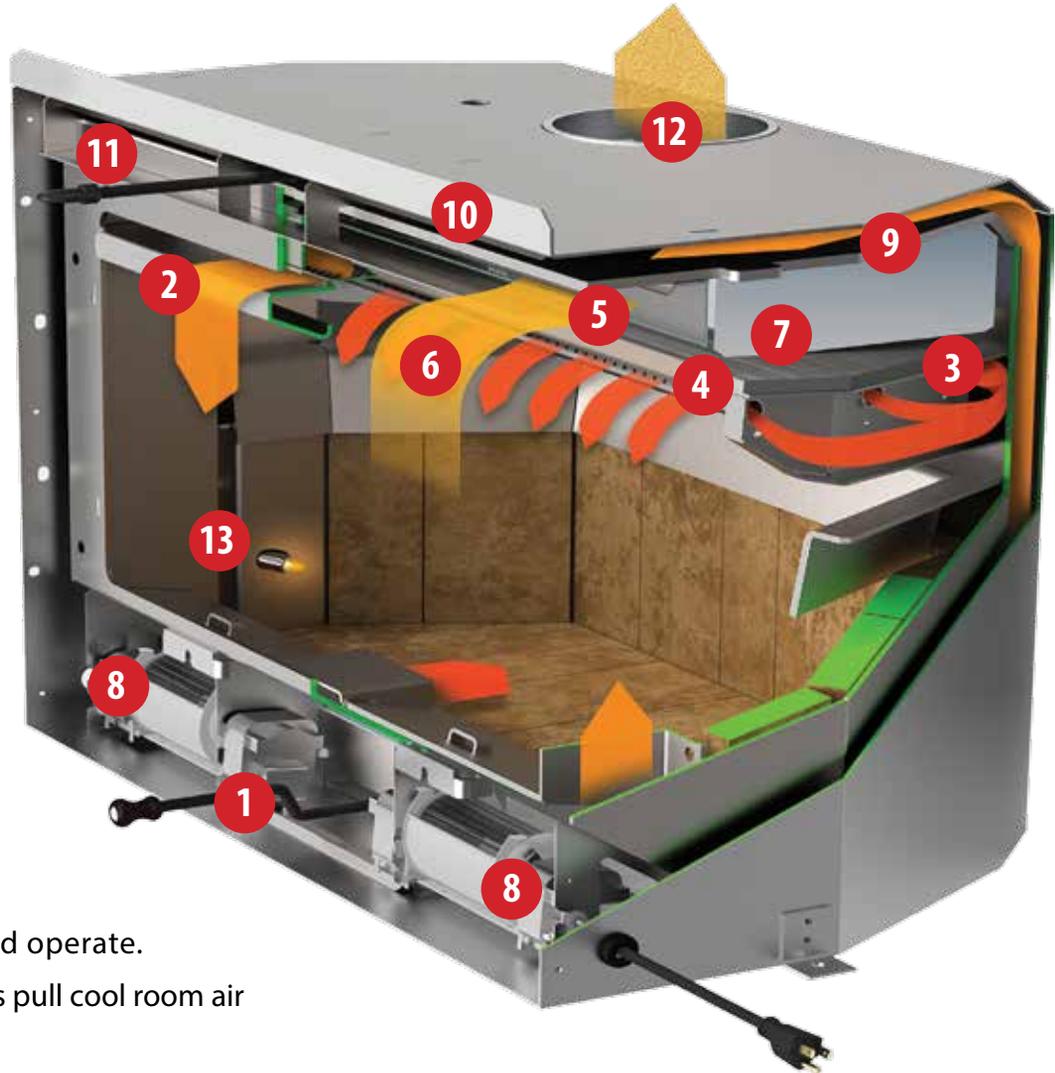
*Cord Wood test results showing realistic BTU's using Cord Wood logs with regular refueling. Heat output will differ on chimney draft as well as type, moisture content and size of wood.

**Square-foot heating capacities, overall efficiencies and burn times can vary depending upon home design and insulation, ceiling heights, climate, condition and type of wood used, appliance location, burn rate, installed accessories, chimney installation and how the appliance is operated.

HYBRID FYRE® Technology

Both Flush Wood Hybrid-Fyre® Inserts are extremely clean burning, highly efficient inserts for any home. They feature elevated craftsmanship and styling as well as the exclusive Hybrid-Fyre® technology.

- (1) The air control regulates the burn rate and routes air into the firebox for the primary combustion air (which helps to start the fire).
- (2) The warm air is then routed through the air wash channel and over the glass to keep the glass clean, decreasing maintenance and adding convenience.
- (3) The combustion air is drawn into the preheated chamber converting cold, incoming air into warm combustion air.
- (4) The secondary air manifold continues to route the air into the secondary air tubes which takes the air to the secondary combustion zone.
- (5) The baffle then slows down the flow of any remaining volatile gases.
- (6) In this area, any particles are super-heated and ignited.
- (7) These volatile gases and particulates then enter the catalytic combustor. The catalytic combustor is designed to burn any remaining pollutants, leaving the exhaust virtually smoke-free. This process dramatically reduces emissions and carbon monoxide output, making the Flush Wood Hybrid-Fyre® Inserts very "green" to own and operate.
- (8) The standard, twin 90 CFM fans pull cool room air through the insert.
- (9) This air is drawn through the convection chamber where it pulls heat off of the firebox.
- (10) Hot air is then expelled from the top convection chamber through a large, cast iron heat sink. This greatly improves both the heat transfer efficiency and heating capacity of the insert.
- (11) A bypass damper is featured on the Flush Wood Inserts, allowing for easy, smoke-free startups.
- (12) Both inserts comes with a 6" flue with an internal attachment for convenient installation.
- (13) The optional GreenStart™ igniter system makes the startup process as easy as the push of a button.





The Revolutionary GreenStart® Igniter Option

Starting your wood insert has never been easier! Much like Charles Kettering's invention of the electric automobile ignition 100 years ago, the GreenStart™ igniter system has evolved the ignition of wood in a spectacular way and has become the greatest innovation in wood heating in over 100 years.

Starting a fire in either of the Flush Wood Inserts is now as convenient as pushing a button. This breakthrough new ignition system eliminates the mess of starting a fire with matches and newspaper, while increasing safety at the same time.

The patent-pending, breakthrough technology of the GreenStart™ system works much like a blacksmith bellows. When you push the button you start an igniter which heats the air to 1,400 degrees F. The compressor (bellows) then forces the super-heated air into the firebox lighting the wood for a fast, clean, smoke-free startup. The fire starts in a matter of a few minutes with the whole process lasting 15 minutes.

The GreenStart™ system is also perfect for refreshing a fire; add new fuel to the hot coals and push the button twice. Pushing the button twice will bypass the igniter and turn on the compressor, adding enough air to ignite the hot coals. There is no need to blow on the coals or leave the door ajar, saving time and increasing safety.

For best results dry, seasoned wood is required when using the GreenStart™ system. Using dry, seasoned wood also increases the efficiency of your wood insert while lowering creosote build-up on the glass and in the chimney.

Use your Smart Phone
QR Reader to watch a video
on the GreenStart™ Igniter



Push A Button



Start Your Fire



30 Seconds

Hot surface igniter blows 1,400 degree heated air into the firebox igniting the wood.



6 Minutes

Igniter shuts down and the blower continues to push air acting as a bellow to fan the fire.



6 - 15 Minutes

Blower continues to fan fire at various speeds to deliver proper draft in the chimney and a vigorous fire.



15 Minutes

Blower shuts down. Homeowner adjusts bypass damper and air controls to maintain fire.

High Quality Construction

Both Flush Wood Hybrid-Fyre® Inserts are constructed from the highest quality materials at our state-of-the-art factory located in Mukilteo, Washington. From heavy gauge steel to real masonry brick, along with a stainless steel baffle and air tubes, you can see the difference in performance and quality. Our Flush Wood Hybrid-Fyre® Inserts are built with long-lasting value and Avalon's "Real World" Seven Year Warranty.

Installation Specifications Always refer to the Owner's Manual for complete installation information.

We suggest that you have an authorized Avalon® dealer install your fireplace insert. If you install the fireplace insert yourself, your authorized dealer should review your installation plans.

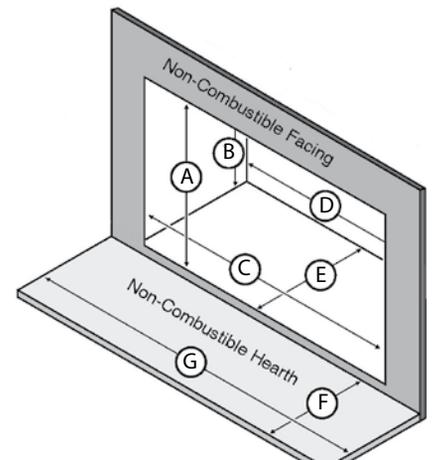
Both Flush Wood Hybrid-Fyre® Inserts are designed for installation in masonry fireplaces and factory-built metal (Z.C.) fireplaces. Check with your local building officials for any permits required for installation of these fireplace inserts and notify your insurance company before proceeding with installation.

Both Flush Wood Hybrid-Fyre® Inserts must be installed with a Positive Flue (full chimney reline). See Owner's Manual for details.

Minimum Fireplace Requirements

	Large Flush Wood	Small Flush Wood
A - Height (Front)	23-1/2" (597mm)	19" (483mm)
B - Height (Rear)	22" (559mm)	19" (483mm)
C - Width (Front)	33" (839mm) <i>(includes 2" for power cord)</i>	27"* (686mm) <i>(includes 2" for power cord)</i>
with GreenStart™ Igniter	40" (1016mm) <i>3" deep from front opening</i>	34-3/4" (883mm) <i>5" deep from front opening</i>
D - Width (Rear)	20-3/4" (528mm)	19-1/4" (486mm)
E - Depth	19" (483mm)	14" (356mm)
F - Hearth Depth*	18" (458mm)	17-1/2" (446mm) USA 19-1/2" (495mm) Canada
G - Hearth Width	47" (1093mm)	40-3/4" (1036mm)

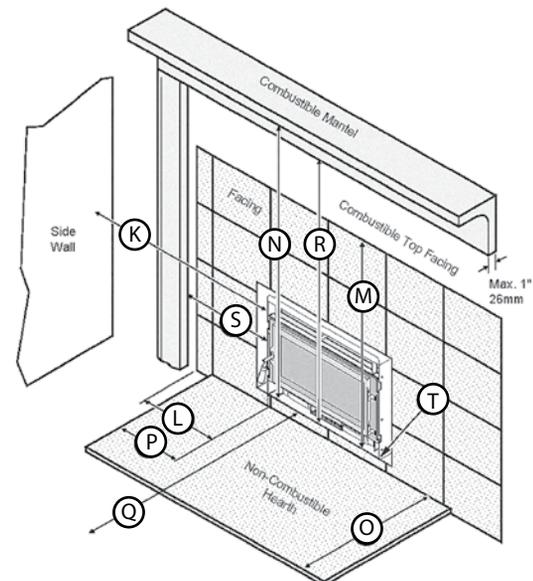
* See Owner's Manual for complete hearth and R Value requirements



Minimum Clearances to Combustibles

	Large Flush Wood	Small Flush Wood
K - Sidewall To Insert	10-1/2" (267mm)	11-5/8" (296mm)
L - Side To Facing	5-1/2" (140mm)	6-1/4" (159mm)
M - Top Facing	37" (940mm)	37-1/2" (953mm)
N - Mantle	41" (1042mm)	37-1/2" (953mm)
O - Hearth Side*	8" (204mm)	8" (204mm)
P - Hearth Depth*	18" (458mm)	16" (406mm) USA 18" (458mm) Canada
R - Mantel Breastplate	37" (940mm)	37-1/2" (953mm)
S - Mantel Column	5-1/2" (140mm)	6-1/8" (156mm)
T - Extension on Hearth	0"	1-1/2" (39mm)
Q - Any Room Combustible	36" (915mm)	36" (915mm)

* See Owner's Manual for complete hearth clearances



Testing

Tested and certified by Intertek Laboratories Inc. Report #500346479PRT-001 Safety Tested to U. L. 1482 and ULC 5628-1993



www.avalonfirestyle.com

Photos and illustrations are for descriptive purposes only. We reserve the right to improve or change our products without prior notification.

Hybrid-Fyre®, GreenStart® and all other trademarks belong to Travis Industries, Inc. Consult the Owner's Manual for complete installation requirements.

Avalon® Wood Burning Fireplaces, Stoves and Inserts are protected by one or more of the following patents; U.S. 9,170,025, 4,665,889 as well as other U.S. and Foreign Patents pending.

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