



VERMONT
CASTINGS

WOOD-BURNING STOVES

TRUE CRAFTSMANSHIP

Vermont Castings was founded on the belief that the stately beauty of cast iron could be combined with the simple utility of wood heat, to craft stoves of value and enduring beauty.

Among the vibrant hills and silver waters of the Green Mountain State is one constant: the promise of American craftsmanship. This is where day after day, year after year, the proud people of Vermont Castings craft each stove with hand and heart.

Vermont Castings provides more than heat. It's the warmth that unites. The timeless designs and furniture-quality finish set the scene for intimate memories. No detail is too small, no element insignificant. This is true craftsmanship.

VERMONT CASTINGS



EXCLUSIVE TECHNOLOGIES

FLEXBURN® TECHNOLOGY

FlexBurn stoves burn with or without a catalyst and achieve 15% higher efficiency on low burns with the catalyst in place.



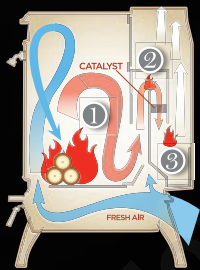
① START UP

- Primary burn started and fueled by fresh air
- Bypass damper is open



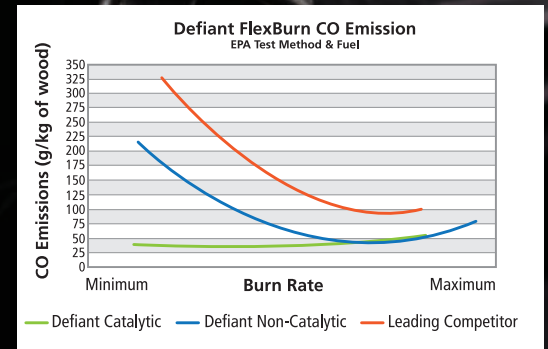
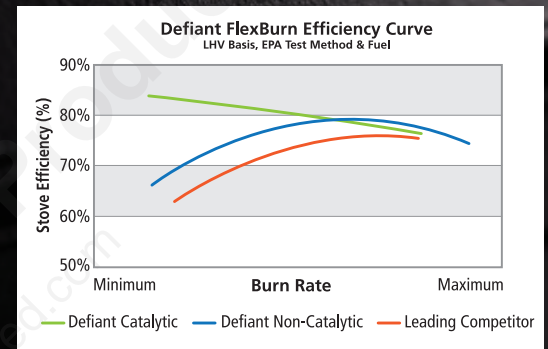
② 2-STAGE BURN

- Damper is closed once stove and flue are sufficiently hot, forcing smoke into the secondary combustion chamber
- Additional air feeds combustion of gases for secondary burn



③ 3-STAGE BURN

- With catalyst in place, increased efficiency and lower emissions result from a tertiary burning of gases and CO
- The catalyst also enables combustion at much lower temperatures, extending burn times and saving on fuel costs



SAVE MONEY AND USE LESS WOOD WITH A CATALYST

Increase your heating efficiency and lower your stove emissions, ensuring you get the most out of each load of wood.

THERMOSTATICALLY CONTROLLED COMBUSTION

Our unique, built-in thermostat requires no electricity and automatically adjusts the required air for combustion. Just set the stove for the heat output you want and let the thermostat do the rest. The result—longer, more even heat.



DEFIANT FLEXBURN WOOD-BURNING STOVE



FlexBurn
Technology



Thermostatically
Controlled Combustion

KEY FEATURES



Timeless cast iron styling with a furniture-quality finish



Convenient top load keeps smoke and ash contained and increases load capacity



Exclusive swing-out ash pan allows you to cleanly remove ashes, even when the stove is hot



Reversible flue collar for flexible installations



ENCORE FLEXBURN WOOD-BURNING STOVE



FlexBurn
Technology



Thermostatically
Controlled Combustion

KEY FEATURES



Timeless cast iron styling with a furniture-quality finish



Convenient top load keeps smoke and ash contained and increases load capacity



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Reversible flue collar for flexible installations



INTREPID II

CATALYTIC WOOD-BURNING STOVE



Thermostatically
Controlled Combustion

KEY FEATURES



Timeless cast iron styling with a furniture-quality finish



Catalytic burn technology offers more than 85% efficiency and longer burn times



Built-in ash pan for trouble-free ash removal



Convenient top load keeps smoke and ash contained and increases load capacity



ASPEN

NON-CATALYTIC WOOD-BURNING STOVE

KEY FEATURES



Timeless cast iron styling with a furniture-quality finish



Built-in ash pan for trouble-free ash removal



North-south orientation for easy loading



Top plate cooking surface

**WARMING
SHELVES**
with mitten
racks; stylish,
yet practical



MATCHING ENAMEL PIPE



TRANSITION STYLE DOORS
offer cleaner lines and a wider view to add
a contemporary feel to a classic design



VARIABLE SPEED FAN KIT
to better distribute heat in your space



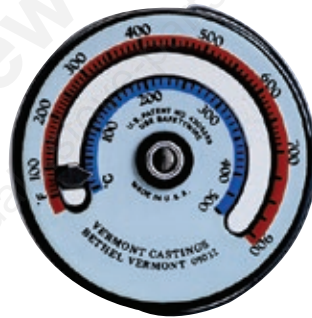
SPARK SCREEN for open door,
fireplace style viewing*



Add moisture to your room with a stylish
enameled **CAST IRON STEAMER**



CAST IRON TRIVET
for stove top cooking



**MAGNETIC STOVE TOP
THERMOMETER** to take any
guesswork out of operating the stove



OUTSIDE AIR ADAPTER



**VERMONT CASTINGS
LEATHER GLOVES**



CAST IRON WOOD BIN



PORTABLE SAFETY SCREEN
allows you to have peace of mind

OPTION & ACCESSORIES

| OPTION | DEFIANT FLEXBURN | ENCORE FLEXBURN | INTREPID II | ASPEN |
|------------------------|------------------|-----------------|-------------|-------|
| Warming Shelves | • | • | • | |
| Enamel Finish Pipe | • | • | • | • |
| Transition Doors | • | • | • | |
| Variable Speed Fan Kit | • | • | | |
| Spark Screen* | • | • | • | |
| Cast Iron Steamer | • | • | • | • |
| Cast Iron Trivet | • | • | • | • |
| Stove Top Thermometer | • | • | • | • |
| Outside Air Adapter | • | • | • | • |
| Leather Gloves | • | • | • | • |
| Cast Iron Wood Bin | • | • | • | • |
| Portable Safety Screen | • | • | • | • |

STOVE FINISHES



CLASSIC BLACK

AVAILABLE ON:

Defiant Flexburn

Encore Flexburn

Intrepid II

Aspen

ENAMEL BOURDEAX

AVAILABLE ON:

Defiant Flexburn

Encore Flexburn

Intrepid II

MAJOLICA BROWN

AVAILABLE ON:

Defiant Flexburn

Encore Flexburn

Intrepid II

ENAMEL BISCUIT

AVAILABLE ON:

Defiant Flexburn

Encore Flexburn

Intrepid II

TWILIGHT BLUE

AVAILABLE ON:

Defiant Flexburn

Encore Flexburn

*Spark screen requires 8-inch pipe on Defiant or Encore

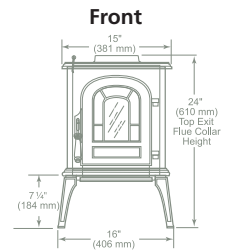
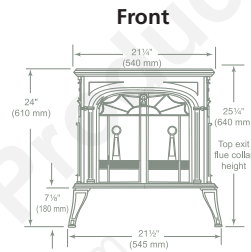
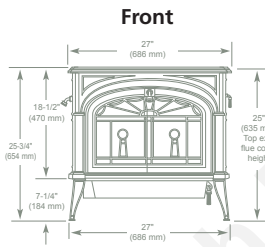
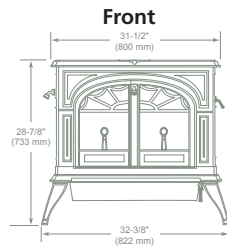
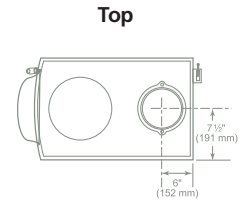
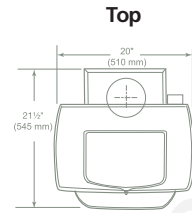
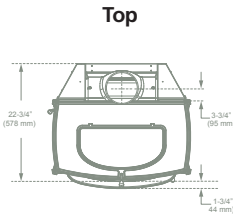
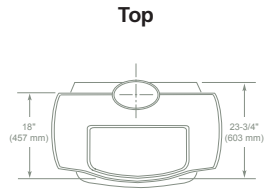
SPECIFICATIONS

DEFIANT FLEXBURN

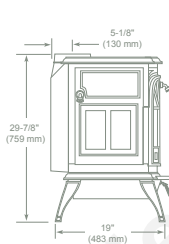
ENCORE FLEXBURN

INTREPID II

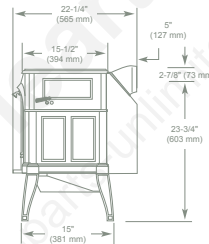
ASPEN



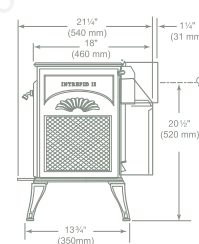
Side - Top Vent



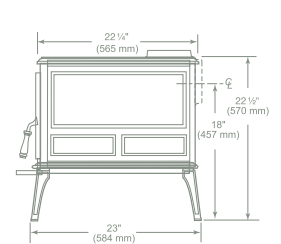
Side



Side

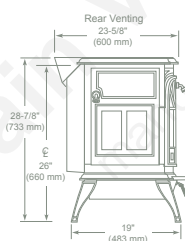


Side



Product Dimensions

Side - Rear Vent



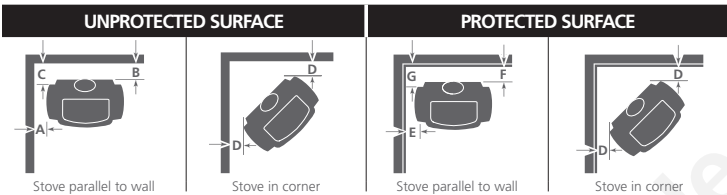
| | | | | |
|---------------------------------------|--|--|--|-----------------|
| Peak BTU/hr Output¹ | 56,000 | 47,000 | 37,000 | 27,000 |
| Heating Capacity² | Up to 2,400 sq ft | Up to 1,800 sq ft | Up to 1,200 sq ft | Up to 800 sq ft |
| Maximum Burn Time³ | 14 hrs | 12 hrs | 6 hrs | 5 hrs |
| Efficiency⁴ | 80% (Catalytic) 71% (Non-Catalytic) | 80% (Catalytic) 73% (Non-Catalytic) | 87% | 75% |
| Emissions | 1.1 g/hr (Catalytic) 2.3 g/hr (Non-Catalytic) | 1.1 g/hr (Catalytic) 1.6 g/hr (Non-Catalytic) | 2.1 g/hr | 4.3 g/hr |
| Firebox Capacity | 3.1 cu ft | 2.3 cu ft | 1.3 cu ft | 1.0 cu ft |
| Recommended Log Length | 24" | 22" | 16" | 16" |
| Actual Weight | 518 lbs | 471 lbs | 223 lbs | 240 lbs |
| Technologies | FlexBurn, Thermostatically Controlled Combustion | FlexBurn, Thermostatically Controlled Combustion | Thermostatically Controlled Combustion | |

CLEARANCES

DEFIANT FLEXBURN

Clearances for 6" or 8" connections; single or double wall pipe

| | UNPROTECTED SURFACE NO CONNECTOR HEAT SHIELD | | | PROTECTED SURFACE ¹ WITH CONNECTOR HEAT SHIELD | | | | |
|---|---|---|---------------------|--|---|---------------------|-------------|-------------|
| | PARALLEL INSTALLATION | | CORNER INSTALLATION | PARALLEL INSTALLATION | | CORNER INSTALLATION | | |
| | Side (A) | Rear ² To rear shroud (B) To back edge of cast (C) | Corner (D) | Side (E) | Rear ² To rear shroud (F) To back edge of cast (G) | Corner (D) | | |
| Top exit, single wall connector pipe | 21" (521 mm) | 15" (381 mm) | 21" (521 mm) | 5" (127 mm) | 5" (127 mm) | 3" (76 mm) | 9" (229 mm) | 5" (127 mm) |
| Top exit, double wall ³ connector pipe | 22" (559 mm) | 18" (457 mm) | 24" (610 mm) | N/A | N/A | N/A | N/A | N/A |
| Rear exit | 21" (521 mm) | 15" (381 mm) | 21" (521 mm) | 5" (127 mm) | 5" (127 mm) | 3" (76 mm) | 9" (229 mm) | 2" (51 mm) |
| Door open with fire screen and damper open (8" chimney only) ² | 21" (521 mm) | 10" (254 mm) | 16" (407 mm) | N/A | N/A | N/A | N/A | N/A |

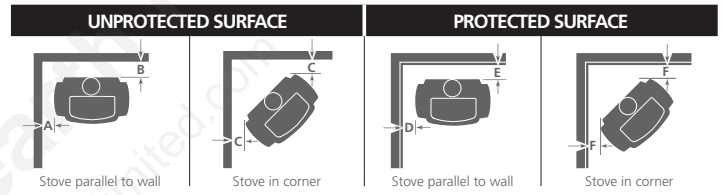


- The connector pipe heat shield must extend 36" (914 mm) above the flue collar.
- WARNING:** If stove has been installed based on the clearances described above as "Top exit with single wall or double wall connector pipe," then stove cannot be operated as "Door open with fire screen and damper open" without moving the stove so the clearance meets those described for this type installation.
- Using a listed double wall oval to round connector.

ENCORE FLEXBURN

Clearances for 6" connections only

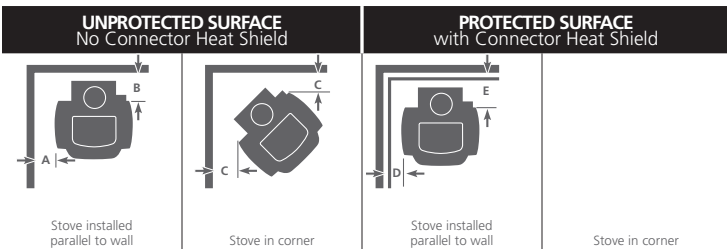
| | UNPROTECTED SURFACE NO CONNECTOR HEAT SHIELD | | | PROTECTED SURFACE ¹ WITH CONNECTOR HEAT SHIELD | | |
|--|---|---------------------|---------------------|--|---------------------|--------------|
| | PARALLEL INSTALLATION | CORNER INSTALLATION | CORNER INSTALLATION | PARALLEL INSTALLATION | CORNER INSTALLATION | |
| | Side (A) | Rear (B) | Corner (D) | Side (D) | Rear (E) | Corner (F) |
| Top exit, 8" single wall connector w/o shields, vertical flue collar heat shield | 19" (483 mm) | 20" (508 mm) | 18-1/2" (470 mm) | 5" (127 mm) | 7" (178 mm) | 12" (305 mm) |
| Rear exit, no flue collar heat shield | 22" (559 mm) | 12" (305 mm) | N/A | 11" (279 mm) | 12" (305 mm) | N/A |
| Top exit, double wall connector pipe, vertical flue collar heat shield installed | 18" (457 mm) | 7" (178 mm) | 12" (305 mm) | 4" (102 mm) | 5" (127 mm) | 5" (127 mm) |
| Top exit, 6" single wall connector w/o shields, vertical flue collar heat shield | 19" (483 mm) | 15" (381 mm) | 18-1/2" (470 mm) | 5" (127 mm) | 7" (178 mm) | 12" (305 mm) |



- A ceiling heat shield 24" (610 mm) in diameter and suspended 1" (25 mm) from the ceiling must surround the pipe in installations where chimney penetrates the ceiling.
- The connector pipe heat shield must extend 36" (914 mm) above flue collar.
- Using listed double wall oval to round adapter when installing optional 8" oval flue collar.

INTREPID II

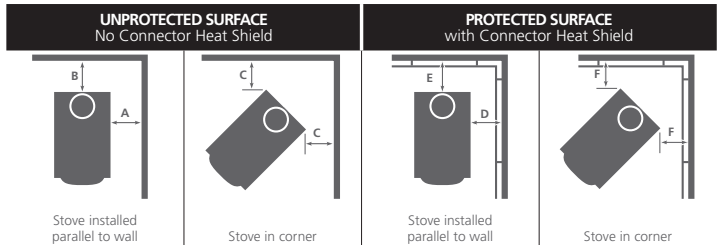
| | UNPROTECTED SURFACE | | | PROTECTED SURFACE | | |
|--|-----------------------|--------------|---------------------|-----------------------|--------------|---------------------|
| | PARALLEL INSTALLATION | | CORNER INSTALLATION | PARALLEL INSTALLATION | | CORNER INSTALLATION |
| | Side (A) | Rear (B) | Corner (C) | Side (D) | Rear (E) | Corner (F) |
| No heat shields | 24" (610 mm) | 30" (762 mm) | 20" (508 mm) | 12" (305 mm) | 16" (406 mm) | 10" (254 mm) |
| Top exit, rear heat shield, single wall pipe w/ connector shields ^{1,2} | 24" (610 mm) | 16" (406 mm) | 12" (305 mm) | 12" (305 mm) | 9" (229 mm) | 10" (254 mm) |
| Rear exit, rear heat shield only ³ | 24" (610 mm) | 14" (356 mm) | N/A | 12" (305 mm) | 9" (229 mm) | N/A |
| Top exit, rear heat shield, double wall pipe ⁴ | 24" (610 mm) | 16" (406 mm) | 12" (305 mm) | N/A | N/A | N/A |



- Shielding for a top exit stove must include the stove rear heat shield insert to protect the area behind the flue collar.
- Chimney connector heat shields, in an installation that goes through a combustible ceiling, must extend to 1" (25 mm) below the ceiling heat shield, which is 22" (559 mm) in diameter. The ceiling heat shield should be 24 gauge or heavier sheet metal, centered on the chimney connector, and mounted on noncombustible spacers.
- Rear exit — horizontal from flue collar directly back through wall.
- In top exit installations, this clearance requires the use of the rear heat shield with the shield insert installed.

ASPEN

| | UNPROTECTED SURFACE | | | PROTECTED SURFACE | | |
|--|-----------------------|---------------------|---------------------|-----------------------|---------------------|-------------|
| | PARALLEL INSTALLATION | CORNER INSTALLATION | CORNER INSTALLATION | PARALLEL INSTALLATION | CORNER INSTALLATION | |
| | Side (A) | Rear (B) | Corner (C) | Side (D) | Rear (E) | Corner (F) |
| No heat shields | 24" (610 mm) | 13" (330 mm) | 13" (330 mm) | 16" (406 mm) | 9" (229 mm) | 8" (203 mm) |
| Top exit, rear heat shield, only ¹ | 24" (610 mm) | 11" (279 mm) | 13" (330 mm) | 16" (406 mm) | 9" (229 mm) | 8" (203 mm) |
| Rear exit, rear heat shield only | 24" (610 mm) | 11" (279 mm) | N/A | 16" (406 mm) | 9" (229 mm) | N/A |
| Top exit, rear heat shield, single wall pipe w/ connector shields ^{1,2} | 24" (610 mm) | 9" (229 mm) | 13" (330 mm) | 16" (406 mm) | 9" (229 mm) | 8" (203 mm) |
| Top exit, rear heat shield, double wall pipe ^{1,3} | 24" (610 mm) | 7" (178 mm) | 13" (330 mm) | 16" (406 mm) | 7" (178 mm) | 8" (203 mm) |



- When a rear heat shield is installed on a top exit stove, the shield insert must be attached to the shield so the area behind the flue collar on the stove is protected.
- Chimney connector heat shields must extend exactly 24" (610 mm) above the top of the stove. No shielding can be used on the connector above 24" (610 mm). The unshielded chimney connector above the 24" (610 mm) point must be 13" (330 mm) from an unprotected wall.
- In top exit installations, this clearance requires the use of the rear stove heat shield with the flue collar cover plate installed.

VERMONT CASTINGS

vermontcastings.com



LIMITED LIFETIME WARRANTY

The strongest in the industry, Vermont Castings provides a limited lifetime warranty on the most important aspects: firebox and heat exchanger. For full warranty details go to VermontCastings.com.

IMPORTANT - READ BEFORE YOU INSTALL! - Refer to the Owner/Installation Manual for complete clearance requirements and specifications. The images and descriptions in this brochure are provided to assist you in product selection only. Vermont Castings is a registered trademark of Hearth & Home Technologies. Product specifications and pricing subject to change without notice. Fireplace, stove and insert surfaces get extremely HOT and can cause burns if touched. Keep a safe distance away. To learn more visit www.vermontcastings.com/fireplacesafety. ©2016 Hearth & Home Technologies®, All rights reserved

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