

Jøtul F 602 V2

Jøtul F 602 V2 Non-catalytic Wood Heater

Installation and Operating Instructions
for the United States and Canada



- The Jøtul F 602 V2 non-catalytic stove is listed to burn solid wood only. Do not burn any other fuels.
- Read this entire manual before you install and use this appliance.
- Save these instructions for future reference and make them available to anyone using or servicing the stove.
- This wood heater requires periodic inspection and repair for proper operation. See this manual for specific maintenance information. It is against federal regulations to operate this wood heater in a manner inconsistent with the operating instructions in this owner's manual.



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Standards

The Jøtul F 602 V2 solid fuel heater has been tested and listed to :

U.S. Standards: ANSI/UL 1482.

Canadian Standards:

CAN/ULC-S627-M00 and CAN/ULC-S628-M93

Certified Safety Tests performed by:

Intertek Testing Services, Middleton, Wisconsin U.S.A.



Manufactured by:

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and

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Intertek

WARNING !

THIS WOOD HEATER HAS A MANUFACTURER-SET MINIMUM LOW BURN RATE THAT MUST NOT BE ALTERED. IT IS AGAINST FEDERAL REGULATIONS TO ALTER THIS SETTING OR OTHERWISE OPERATE THIS WOOD HEATER IN A MANNER INCONSISTENT WITH OPERATING INSTRUCTIONS IN THIS MANUAL.

THIS HEATER MEETS THE 2020 U.S. ENVIRONMENTAL PROTECTION AGENCY EMISSION LIMITS FOR CORDWOOD HEATERS MANUFACTURED AFTER MAY 15, 2020.

THE JØTUL F 602 V2 IS NOT APPROVED FOR USE IN MOBILE HOMES.

NOTE: *It is normal* for a new, painted stove to emit odor and smoke during initial fires, depending on temperatures over time. This is caused by the curing of the high temperature paint and manufacturing materials. This condition can be alleviated by opening a window or door to provide additional ventilation.

Also, please note that metal undergoes thermal expansion and contraction in response to fluctuation of fire intensity. It is normal to hear some "ticking" sounds associated with this action.

Combustion Specifications

Jøtul F 602 V2

Heat Output Range: ¹	15,200 to 49,576 BTU/hr.	
Heating Capacity: ²	Up to 800 sq. ft.	
Maximum Burn Time: ²	Up to 5 hours	
EPA Efficiency: ³	HHV: 70%	LHV: 75.14%
CO Emissions: ⁴	1.18 g/min.	
Pariculate Emissions: ⁵	2.11 g/hr	
Fuel:	Up to 16" Logs (330 mm)	

- ¹ **Heat Output Range** results are determined during specific emissions tests established by the EPA.
- ² **Heating Capacity and Maximum Burn Time** will vary depending on design of home, climate, wood type and operation
- ³ **EPA Tested Efficiency:**
High Heat Value and Low Heat Value efficiencies are determined per the CSA B415.1-10 test method. The difference between the HHV and LHV is in how the energy in the exhaust gas water vapor is accounted.

LHV efficiency assumes all the water vapor in combustion gases was condensed and the heat from such was recovered and transferred to the dwelling. HHV calculations do not assume all water vapor is condensed, therefore the HHV value is less than the LHV value
- ⁴ **Carbon Monoxide Emissions** rate results from Test Method CSA B415.1-10.
- ⁵ **Particulate Emissions** rate was obtained using EPA Test Method ALT-125 (Cordwood Fuel), ASTM E2515-11 and ASTM E3053-17.

Check Building Codes

When installing, operating and maintaining your Jøtul F 602 V2 woodstove, follow the guidelines presented in these instructions, and make them available to anyone using or servicing the stove.

Your city, town, county or province may require a building permit to install a solid fuel burning appliance.

In the U.S., the National Fire Protection Association's Code, NFPA 211, *Standards for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances*, or similar regulations, may apply to the installation of a solid fuel burning appliance in your area.

In Canada, the guideline is established by the CSA Standard, CAN/CSA-B365-M93, *Installation Code for Solid-Fuel-Burning Appliances and Equipment*.

Always consult your local building inspector or authority having jurisdiction to determine what regulations apply in your area.

1.0 Safety Notices

- BURN SOLID, NATURAL WOOD FUEL ONLY. DO NOT BURN ANY OTHER FUEL.
- DO NOT USE CHEMICALS OR FLUIDS TO START A FIRE. DO NOT BURN GARBAGE OR FLAMABLE FUELS.
- DO NOT USE A GRATE OR ELEVATE THE FIRE. BUILD THE FIRE DIRECTLY ON THE HEARTH.
- IF THIS ROOM HEATER IS NOT PROPERLY INSTALLED, A HOUSE FIRE MAY RESULT. TO REDUCE THE RISK OF FIRE, FOLLOW THE INSTRUCTIONS IN THIS MANUAL. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, BODILY INJURY, OR LOSS OF LIFE.
- CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS IN YOUR AREA.
- ANY EXISTING CHIMNEY SYSTEM MUST BE INSPECTED BEFORE INSTALLATION OF THIS APPLIANCE.
- DO NOT CONNECT THIS STOVE TO ANY AIR DISTRIBUTION DUCT OR SYSTEM.
- EXTREMELY HOT WHILE IN OPERATION! KEEP CHILDREN, CLOTHING, AND FURNITURE AWAY. CONTACT WILL CAUSE SKIN BURNS. USE A CHILD GUARD SCREEN TO PREVENT ACCIDENTAL CONTACT BY SMALL CHILDREN.
- INSTALL SMOKE DETECTORS IN THE LIVING AREA AND BEDROOMS OF YOUR HOME. TEST THEM REGULARLY AND INSTALL FRESH BATTERIES TWICE ANNUALLY.

WHEN INSTALLED IN THE SAME ROOM AS THE STOVE, A SMOKE OR CARBON MONOXIDE DETECTOR SHOULD BE LOCATED AS FAR FROM THE STOVE AS POSSIBLE TO PREVENT THE ALARM SOUNDING WHEN ADDING FUEL.
- DO NOT OPERATE THIS APPLIANCE WITH CRACKED OR BROKEN GLASS. REPLACE GLASS ONLY WITH JØTUL PART NUMBER 128101.
- Avoid creating a low pressure condition in the room where the stove is operating. Be aware that operation of an exhaust fan or clothes dryer can create a low pressure area and consequently promote flow reversal through the stove and chimney system. In some cases, the optional Fresh Air Adaptor #156408 can be used to alleviate this condition. The chimney and building, however, always work together as a system - provision of outside air, directly or indirectly to an atmospherically vented appliance will not guarantee proper chimney performance. Consult your local Jøtul authorized dealer regarding specific installation/performance issues.
- Jøtul strongly recommends that this stove be installed by a professional solid fuel technician, or that you consult one if you do the work yourself. Also, consult your insurance company regarding any other specific requirements.



We suggest that our woodburning hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Woodburning Specialists or who are certified in Canada by Wood Energy Technical Training (WETT).



2.0 Initial Assembly

2.1 Inspect Contents

Inspect the stove for damage. Contact your dealer immediately if any damage is found. Do not install the stove if any damage is evident.

Contents:

- Door Knob Kit (Installed on Stove)
- Dripless Pipe Adaptor
- Smoke Outlet (Installed on Stove)
- Hardware Kit
- Bottom Heat Shield (Installed on Stove)

2.2 Smoke Outlet Position

The Smoke Outlet may be installed in either a top-exit or rear-exit position. For Top Exit, use the pre-installed screws to secure the smoke outlet to the top plate.

For Rear Exit, first remove the screws and 10mm nuts that attach the rear cover plate to the back plate. Reach through the top outlet to access the nuts. Use these same fasteners to attach the outlet to the stove. Secure the cover plate to the top plate using the pre-installed screws.

2.3 Dripless Pipe Adaptor Installation

The Dripless Pipe Adaptor is to be installed in the smoke outlet. Secure adaptor to outlet using screws provided. See fig. 22, page 15.

3.0 Installation

A safe stove installation includes several elements:

- 1) the chimney connector
- 2) the chimney itself
- 3) the connection between the chimney connector and chimney, and
- 4) protection of combustible materials in the vicinity of the stove.

Each of these elements is equally important for a safe stove installation.

3.1 Chimney Connector (Stove Pipe)

Use 6" single wall or listed 6" double-wall stovepipe to connect the stove to the chimney. Single wall stovepipe must be black iron or stainless steel and have a minimum thickness of 24 gauge. Do not use aluminum or galvanized steel pipe for chimney connection - these materials are not suitable for use with solid fuel.

- **DO NOT USE CHIMNEY CONNECTOR AS A CHIMNEY. IT IS INTENDED ONLY TO BE USED A CONNECTION DEVICE.**
- Each connector section must be oriented with the (crimped) end pointing toward the stove. See **fig. 2, page 12.**
- Secure all connector joints with three sheet metal screws.
- For the best performance, the chimney connector should be as short and direct as possible, including no more than two 90° elbows.
- **The maximum vertical run of single wall stovepipe should not exceed 10 ft. (305 cm). The maximum horizontal run should not exceed 3 ft. (92 cm) with a 1/4" rise per foot.**
- No part of the chimney connector may pass through an attic

or roof space, closet or other concealed space, or through a floor or ceiling. All sections of the chimney connectors must be accessible for cleaning. Where passage through a wall or partition of combustible construction is desired, the installation must conform with NFPA 211 or CAN/CSA-B365, and is also addressed in this manual.

- **DO NOT CONNECT THIS HEATER TO ANY CHIMNEY SERVICING ANOTHER APPLIANCE.**

3.2 Wall Pass-Throughs

In the U.S.

The National Fire Protection Association's publication, NFPA 211, Standard for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances permits four methods for passing through a combustible wall. Additionally, consult your dealer about listed prefabricated wall pass-through components produced by prefabricated chimney manufacturers. Before proceeding with any method be sure to consult with your local building officials regarding applicable local code requirements.

Common Method / U.S.

- See **figure 3, page 12.** Remove all combustible materials from the pass-through area (around the chimney connector), a minimum 12" (30.5 cm). A 6" (15.2 cm) diameter connector will require a 31" x 31" (78.7 x 78.7 cm) square opening.
- The opening must be filled with at least 12" (30.5 cm) of brick around a fireclay liner. The liner must be ASTM C35 or equivalent, having a minimum wall thickness of 5/8" (16 mm).
- The Pass-through must be at least 18" (45.7 cm) from combustible ceiling materials.
- It will be necessary to cut wall studs, install headers, and construct a sill frame to maintain the proper dimensions and to support the weight of the brick.
- The bricks must be solid brick with a minimum of 3 inches thick (nominal 4" / 102 mm).
- Refractory mortar must be used at the junction of the chimney and the pass-through liner. The pass-through liner must not penetrate the chimney liner beyond the inner surface of the chimney liner. Use extreme care when constructing the hole in the chimney liner as the tiles can shatter easily.

In Canada

The installation must conform to CAN/CSA-B365, *Installation Code for Solid Fuel Burning Appliances and Equipment*. Before proceeding be sure to consult your local building inspector.

Common Method / Canada

- This method requires the removal of all combustible materials from at least 18" (45.7 cm) around the chimney connector's proposed location. A 6" round liner requires a minimum opening 43" x 43" (109.2 x 109.2) square.
- Locate the pass-through at least 18" from combustible ceiling materials.
- The space that is cleared of combustible materials must remain empty. Sheet metal panels can be used to cover the area. However, when using a panel on both sides of the wall, each cover must be installed on noncombustible spacers at least 1" from the wall. If one panel of sheet metal is to be used it may

be installed flush to the wall.

See section 5.3.1 and 5.3.2 of CAN/CSA - B365-M91. Consult your local building inspector, authorized Jøtul Dealer, NFPA 211 in the U.S. or CAN/CSA-B635 in Canada for other approved wall pass-through methods.

3.3 Chimney Requirements

There are two types of chimneys suitable for the Jøtul F 602 V2:

1. A code-approved masonry chimney with a ceramic tile or listed steel flue liner.
2. A prefabricated chimney complying with the requirements for Type HT (2100°F) chimneys per UL 103 or ULC S629.

The minimum chimney height is 15 feet (4.57 m).

When selecting a chimney type and the location for the chimney in the house, keep this in mind: it is the chimney that makes the stove work, not the stove that makes the chimney work. This is because a chimney actually creates suction, called draft, which pulls air through the stove.

Several factors affect draft: the height, cross-sectional area, and temperature of the chimney, as well as the proximity of surrounding trees or buildings.

In general, a short masonry chimney on the exterior of the house will give the poorest performance. This is because it can be very difficult to warm up from a cold start and maintain effective draft.

A centrally-located, interior prefabricated chimney will be easier to keep warm and will perform well under a variety of conditions.

This guideline gives the necessary chimney requirements based on the U.S. national code (NFPA-211). However, many local codes differ from the national code to take into account climate, altitude, or other factors. It is important that you check with your local building officials to find out what codes apply in your area before constructing a chimney.

Masonry Chimneys

The minimum requirements for a properly constructed chimney include the following:

- The foundation must be large enough to support the intended chimney without settling.
- The masonry wall of the chimney, if brick or modular block, must be a minimum of 4" nominal thickness. A mountain- or rubble-stone wall must be at least 12" thick.
- The chimney must have a fireclay flue liner (or equivalent with a minimum thickness of 5/8" and must be installed with refractory mortar. There must be at least 1/2" air space between the flue liner and chimney wall.
- The preferred fireclay flue liner size has a nominal size of 8" x 8", and should not be larger than 8" x 12". If round fireclay liners are used, the inside diameter should be 6" and not larger than 8". If an existing chimney with larger tiles is used it should be relined with an appropriate liner.
- No other appliance can be vented into the same flue.
- An airtight cleanout door should be located at the base of the chimney.

A chimney inside the house must have at least 2" of clearance to the combustible structure. A chimney outside the house must have at least 1" clearance to the combustible structure. Fire stops must be installed at the spaces where the chimney passes through floors and/or ceilings. Remember that there must be air space around the chimney, and that insulation must be 2" or more from the chimney.

A chimney, whether masonry or prefabricated metal, must be the required height above the roof or other obstruction for safety and for proper draft function. The chimney must be at least 3' higher than the highest point where it passes through the roof, and at least 2' higher than the highest part of the roof or structure that is within 10' of the chimney, measured horizontally. See fig. 4, page 12.

Chimneys shorter than 15 feet may not provide adequate draft. This can result in smoke spilling the room from the door or joints in the stove or pipe. In addition, inadequate draft can cause back-puffing. Overly-strong draft, on the other hand, causes excessive temperatures and can shorten burn times. If you suspect you have draft problem, consult your dealer.

When connecting to a masonry chimney, the chimney connector must slide completely inside the chimney thimble (or breach) to the inner surface of flue liner, make sure the connector does not protrude past the inside of the flue liner as that will reduce the flow area available for the smoke and ultimately cause problems with your chimney system. The chimney connector should be sealed into the thimble with refractory cement and the connector should also be mechanically fastened to the chimney. See fig. 6, page 13.

3.4 Hearthmount into a Masonry Fireplace

The Jøtul F 602 V2 may be installed into a masonry fireplace provided the height of the lintel is at least 25 1/2". See fig. 19, page 15 for clearance specifications that must be maintained to combustible mantel and trim materials.

Building code requires that the fireplace damper plate be removed or securely fixed in the open position. In the U.S, the connector pipe must then extend from the stove's flue exit through the damper area of the fireplace and into the chimney tile liner. If the flue liner does not extend and connect to the chimney cap, a metal plate must be installed at the damper opening to seal off the living area from the flue using high temperature silicone sealant. **In Canada, the liner must extend through the flue and connect to the chimney cap.**

Required Flue Area: An interior flue liner must not be less than the area of the stove flue collar and may not be more than three times greater than the cross-sectional area of the stove flue collar. An exterior flue liner area may not be greater than two times the flue collar cross-section area

If the chimney flue is too large, an approved relining system must be installed to resize the flue to meet the requirements described above.

3.5 Listed Metal Prefabricated Chimney

The heater must be connected to a listed Type HT per UL 103 or ULC S629 prefabricated (factory-built) chimney. When a metal prefabricated chimney is used, the manufacturer's installation instructions must be followed precisely. You must also purchase (from the same manufacturer) and install the ceiling support package or wall pass through, the "T" section package, the firestops (when needed), the insulation shield, the roof flashing, the chimney cap, etc. Maintain all clearances to the structure as recommended by the manufacturer. This clearance is usually a minimum of 2", although it may vary by manufacturer or for certain components.

See fig. 5, page 13.

4.0 Clearances to Combustibles

4.1 Floor Protection

A bottom heat shield is required in all installations and is included on the stove. In addition, the stove must be placed on a noncombustible surface that extends continuously 8" beyond the sides and back of the stove and 16" in the front of the stove (18" in Canada). This will result in an overall base that is 28 1/2" wide x 45- 1/2" deep. This is the minimum floor protector size. Floor protection must also be used under the stove pipe and must extend 2" beyond either side of the pipe (fig. 7, page 13).

The floor protection must have a minimum R value of 0.45. **Warning! Never put any type of floor protection on top of carpeting.**

4.2 Alternate Floor Protection

All floor protection materials must be non-combustible (i.e., metals, brick, stone, mineral fiber boards, etc.). Any organic materials (i.e., plastics, wood, paper products, etc.) are combustible and must not be used. The floor protector specified may include some form of thermal designation such as R-value (thermal resistance), k-factor (thermal conductivity), or C-factor (thermal conductance).

See 9.0 Appendix A on page 17 for the procedure to determine alternate floor protection materials that meet the thermal requirements for this stove.

4.3 Clearance to Adjacent Combustible Materials

The diagrams in figures 8-13, pages 13-14, specify the required clearances that must be maintained from unprotected combustible materials or objects.

A combustible material is anything that can burn, and in the case

of stove installations, these material may not be visible. If you are not sure of the combustible nature of any material in the vicinity of your planned stove installation, you should check with your local fire officials. Remember that "fire resistant" materials are considered combustible; they are difficult to ignite, but they will burn.

If you have recently purchased a home that has a stove hearth in it that you plan to use, it is extremely important that the entire system be examined for safety. Many older homes may have faulty chimneys, or previous owners may have covered combustible walls or studs with brick veneers. Heat is conducted readily through brick and could ignite combustible materials hidden behind it.

Contact local building or fire official about restrictions and installation requirements in your area.

4.4 Using a Rear Heat Shield to Reduce Clearance

The Jøtul F 602 V2 optional rear heat shield, PN HS-50, may be used only in top-exiting installations to reduce clearance as shown in figures 11,12,13, page 14.

4.5 Using Wall Protectors to Reduce Clearances

The wall protector must be non-combustible, such as a minimum 24 gauge galvanized steel or its equivalent. The wall protector must be elevated 1" from the floor to provide an air space of at least 1" between the shield and the combustible wall. See figures 14-18 on pages 14-15 for approved sizing specifications.

4.6 Alcove installation

When installed with a listed double wall pipe and with wall protection, the Jøtul F 602 V2 can be placed in an alcove that has a minimum height of 96" and a maximum depth of 48", and a minimum width of 41". See fig. 14, page 14.

When installed with a listed double wall pipe and with a stove heat shield, the Jøtul F 602 V2 can be placed in an alcove that has a minimum height of 96" and a maximum depth of 24"², and a minimum width of 55". The clearances for this installation are shown in fig. 13 page 14.

4.6 Alcove wall protection

In an alcove, the height of the wall protector, including the air space at the bottom, must be at least 41" (104 cm). See fig. 15, page 16. Both side walls and the rear wall must be protected by the wall protector. See fig. 15, page 14.

4.7 Fireplace Clearances

Refer to the combustible mantel and trim clearance specifications as shown in fig. 19, page 15.

5.0 Operation

Please read the following section completely before building a fire in your new stove.

5.1 Combustion Efficiency

The Jøtul F 602 V2 has an EPA tested High Heating Value (HHV) efficiency rate of **70%**. There are, however, aspects of efficiency that you should be aware of in order to get the most from your stove. Operation habits and fuel moisture can have a significant effect on efficiency. Poorly seasoned wood having a higher than optimum moisture content, can reduce heat energy transferred to the living area as a result of the energy expended to evaporate excess moisture in order for the wood to burn. Operational habits - such as not building a robust kindling fire to readily ignite the larger fuel pieces - can result in an inefficient, smouldering fire. Additionally, most modern wood heaters' optimum performance and efficiency are at the medium to medium-low burn rates.

The location of the stove can have a significant effect on heating efficiency, primarily in regard to distribution of the heat. For example, a wood heater centrally located in the residence in an open living area will likely provide better circulation of heat than will a stove located in a room adjacent to the larger living area.

5.2 Minimize Carbon Monoxide Emissions

Testing the F 602 V2 to CSA B414.1-10 resulted in a carbon monoxide emission rate of **1.18 grams per minute**. Most means of combustion produce CO, including wood fires. Maintaining a well-established fire and avoiding operation that produces a smoldering, smoky fire, will greatly minimize CO levels.

We highly recommend that a CO monitor (detector) be installed in the same room as the stove. The monitor, however, should be located as far away as possible from the stove to avoid alert sounding when adding fuel to the fire.

5.3 Wood Fuel and Performance

The F 602 V2 is designed to burn natural cordwood only. Higher efficiencies and lower emissions generally result when burning air-dried, seasoned hardwoods, as opposed to softwoods, green or freshly cut hardwoods. Wood that has been air-dried for a period of 6 to 14 months will provide the cleanest, most efficient heat. Wood seasoned more than 2 years will burn too quickly to take advantage of the stove's low end efficiency strength.

A seasoned log will have check marks on the ends and be lighter than an unseasoned log which will show little or no check marks.

Cordwood should be stacked to allow the free flow of air circulation necessary to promote the seasoning process. Securely cover the wood to ensure it remains as dry as possible.

Check Moisture Content

Use a moisture meter to determine the moisture content of your wood. For purposes of home heating, the wood should have a moisture content between 12 - 20%. Wood with higher moisture content will burn, however, very inefficiently. Most of its heat value will be lost to driving water out of the wood through evaporation. Worse, that moisture will condense as creosote in the relatively cool chimney flue, increasing the potential for a chimney fire. *Use of unseasoned wood defeats the purpose of any modern wood-burning stove.*

BURN UNTREATED WOOD ONLY. DO NOT BURN:

- Coal;
- Garbage;
- Synthetic fuel or logs;
- Material containing rubber, including tires;
- Material containing plastics;
- Waste petroleum products, asphalt products, paints, paint thinners or solvents;
- Materials containing asbestos;
- Construction or demolition debris;
- Railroad ties or pressure-treated wood;
- Manure or animal remains;
- Lawn clippings or yard waste;
- Salt water driftwood or other previously salt-water saturated materials;
- Unseasoned wood;
- Colored paper, or
- Paper products, cardboard, plywood, or particle board. *(The prohibition against burning these materials does not prohibit the use of fire starters made from paper, cardboard, saw dust, wax or similar substances for the purpose of starting a fire.)*

• **Burning of any of the materials listed above can result in the release of toxic fumes, cause smoke, or render the heater ineffective and cause smoke**

• **NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID OR SIMILAR LIQUIDS TO START OR "FRESHEN-UP" THE FIRE. ALWAYS KEEP SUCH LIQUIDS AWAY FROM THE HEATER AT ALL TIMES.**

NOTE: Avoid letting logs rest directly on the glass panel. The logs should be spaced off of the glass enough to allow for proper air flow within the firebox.

5.4 Air Flow and Control

Your Jøtul F 602 V2 is designed to support efficient combustion and heat transfer by directing air through the stove in two separate channels; **Primary and Secondary**.

Primary air is manually regulated by a sliding valve located in the load door under the glass pane which remains slightly open. The valve position controls the volume of primary air entering the firebox and thereby affects fire intensity, heat output and burn time. Primary air is directed to the main body of the fire through that air inlet.

Secondary air allows combustion of volatile gas and other by-products of primary combustion that would otherwise enter the atmosphere unburned. This unregulated air is preheated as it passes through a manifold at the back of the stove and is then directed to the fire through a stainless steel manifold at the top of the firebox. This additional hot oxygen allows any unburned gasses to be burned inside the stove. The action of secondary combustion can be readily seen through the viewing glass a slow, rolling flames suspended over the main fuel bed and smaller jets of flame extending from the secondary manifold ports. At the same time, no smoke will be observed exiting the chimney. This is evidence that the stove is operating at the so-called "sweet-spot" wherein optimum efficiency is realized.

When first starting or reviving the fire: the primary control lever should be set to the far right position, which permits the maximum amount of air into the stove. The greater the amount of air entering the stove, the hotter and faster the fire will burn. **Moving the lever to the left** reduces the airflow into the stove which prolongs the fire at a lower heat output. See figure 20, page 15.

Using a Stove-top Thermometer

Determining the primary air setting for the best overall performance for your particular needs and installation will be established over time through trial and error. Each installation has unique characteristics that will affect stove performance. You should use a stove-top thermometer to monitor the status of the fire. Once the temperature has reached 400°F - 600°F, set the air control to a mid-range position to allow adequate oxygen to support efficient combustion throughout the burn cycle.

5.5 New Stove Break-In Procedure

The Jøtul F 602 V2 is constructed of cast iron and stove furnace cement. Cast iron, while very durable, expands and contracts as it is heated and cooled. This type of construction requires the stove to be "broken-in" gradually so that thermal expansion does not occur too quickly. The following steps describe the proper break-in procedure for the Jøtul F 602 V2:

1. Light a small fire of newspaper and kindling. Only allow the stove to reach a maximum surface temperature of 200°F (93°C). Burn for approximately 1 hour.
2. Allow the stove to cool to room temperature.
3. Light a second fire, allowing the stove to reach a maximum temperature of 300°F (149°C) for 1 hour.
4. Cool the stove to room temperature.
5. Light a third fire and gradually allow the stove to reach a surface temperature of 400°F (204°C).
6. Cool stove to room temperature. This completes the "break-in" procedure.

Note: Keep the stove under 400°F (204°C) surface temperature during any "break-in fire", with the exception of the last "break-in" fire. If the temperature exceeds 400°F, move the primary air control lever all the way to the left to shut off the air supply completely. It is normal that the stove top temperature will continue to climb until the fuel burns down somewhat. Once the fire is out and the stove has cooled to room temperature, continue the break-in procedure. **Never attempt to reduce the temperature by removing burning logs from the fire.**

NOTE: It is normal for a new, painted stove to emit an odor and smoke during the first several fires. This is caused by the seasoning of the high temperature paint and will diminish with each fire. Opening a window or door to provide additional ventilation will alleviate this condition.

5.6 Building a Fire

The most important element is seasoned, dry fuel. A well-built fire will burn efficiently, keep the door glass clean, minimize emissions, and require less time and attention to maintain. We recommend using the top-down method of fire-starting as that will quickly warm the flue and establish a strong draft.

- Set the air control lever fully to the right (fully open). Place two, quarter-split logs to either side of the firebox, oriented front-to-back.
- Criss-cross three or four smaller splits on top of the bottom logs.
- Criss-cross several thin, dry kindling sticks across the second layer of logs.
- Place a few balls of crumpled paper on top of the kindling, followed by a handful or two of logpile tinder.
- Ignite the paper evenly and close the door.
- The burning paper and tinder will fall and quickly ignite the kindling. As the burning kindling sticks fall, the second layer of logs will ignite and fall between the base logs.

- Now you can add a couple more quarter-splits and let the fire become established for several minutes before adjusting the air valve position or adding more fuel.

Section 9.1 of the Appendix shows the cordwood test method fire building procedure for a high fire with a cold start.

5.7 Reloading

Reload the stove while it is still hot and there are plenty of hot coals to ignite the fresh fuel load. It is a good idea to include a smaller piece or two of wood at the base of the new load to help the stove recover more quickly to its operating temperature.

Reloading Procedure

- Always wear gloves when tending your stove.
- Push the air control to the right to the full open position.
- Wait a few seconds and open the door.
- Use a stove shovel or similar tool to break up any remaining charcoal and to drag some live embers toward the front where combustion air enters.
- Load the fuel (Smaller pieces first) and close the door.
- Wait 5-10 minutes and adjust the air control to desired setting.

Note: If the charcoal bed present at reloading time is relatively deep (2"-3") and your wood is well seasoned, it is possible to add the fresh fuel load, close the door and reset the air control for the desired heat output rate within 5 minutes.

WARNING: DO NOT OVERFIRE THIS HEATER. IF ANY PART OF THE STOVE OR CHIMNEY CONNECTOR GLOWS, YOU ARE OVERFIRING. A HOUSE FIRE OR SERIOUS DAMAGE TO THE STOVE OR CHIMNEY COULD RESULT.

ATTEMPTS TO ACHIEVE HEAT OUTPUT RATES THAT EXCEED HEATER DESIGN SPECIFICATIONS CAN RESULT IN PERMANENT DAMAGE TO THE HEATER.

WARNING: Operate the stove only with the front door fully closed except for refueling. Operation with the door partially open may result in overfiring. Also, if the door is left partially open, combustion gas and flame may be drawn out of the stove, creating risks from both fire and smoke.

Creosote and Soot Formation and the Need for Removal

When wood is burned slowly, it produces tar and other organic vapors which combine with expelled moisture to form creosote. These creosote vapors condense in the relatively cool chimney flue of a slow burning fire. The creosote that accumulates in the flue is highly flammable and is the fuel of chimney fires. To prevent a chimney fire, the creosote needs to be removed by sweeping the chimney and flue connector. The frequency of sweeping will depend on how you operate your stove. An accumulation of 1/4" or more on the sides of the flue or connector is considered hazardous and should be removed.

In the event that creosote in your chimney or flue connector ignites, the resulting fire is often accompanied by a roaring noise and a crackling sound as flakes of burned creosote break loose. If you suspect you are having a chimney fire, immediately close the primary air control and make sure the stove door is closed. Call the fire department and get everyone safely out of the house.

Trying to extinguish the fire in the stove will not help. In fact it can make the matter worse by allowing more oxygen through the door, which then accelerates the fire in the chimney. When the roaring and crackling has stopped, you should resist the temptation to open the door and look at the fire. The fire may have suffocated, but could rekindle when you open the door. After a chimney fire, do not use your stove until the chimney and the flue connector has been cleaned and inspected to ensure that no damage has occurred.

5.8 Ash Removal

Always use stove gloves and a long-handled shovel to clear hot ashes. Ash removal will be required every day or two during normal operation and is most easily done when the fire has burned down to coals. Use a shovel to push coals first to one side, shovel out the exposed ash, and then repeat on the other side. Spread the remaining hot coals evenly across the firebox floor to quickly ignite a new fire.

Store ashes in a metal container with a tight fitting lid and use it exclusively to store ashes. The closed container should be placed outdoors, well away from all combustible materials, pending final disposal. Regardless of how the ashes are finally disposed, they should be kept in the closed container until all cinders have thoroughly cooled.

6.0 Maintenance

6.1 Glass Cleaning

From time to time, clean off the accumulated ash from the inside surfaces of the glass panels. If this fly ash is allowed to remain on the surface for extended periods, it could eventually cause the glass to become permanently etched and somewhat cloudy. Any soot deposit on the glass will burn off during the next hot fire.

DO NOT clean the glass while it is hot. DO NOT use abrasive materials to clean the glass. Cool water and a soft cloth or paper towel are usually all that is required. Rinse thoroughly with clean water after washing and dry completely before burning your stove.

6.2 Glass and Gasket Replacement

To prevent cracking of the glass operate the doors gently. Do not shut the door by striking or slamming.

NEVER OPERATE THE STOVE WITH CRACKED OR BROKEN GLASS. Replace the panel only with the correct Jøtul replacement glass, PN 128101. Do not use substitutes.

The glass can be replaced with the door still mounted to the stove or the door can be removed and placed on a flat working surface.

The replacement glass gasket is self-adhesive. Measure enough gasket to go from the upper right corner of the glass, down the right side, across the bottom and back up to the upper left corner and then add about 2-1/2".

NOTE: THE TOP OF THE GLASS IS NOT GASKETED. This allows a small amount of air to enter through that area to help keep the glass clean.

- Peel off about 10" of the self-adhesive backing strip. Leaving about 1-1/4" of gasket "tail" overlapping, apply the gasket to the groove on the door, making sure that the adhesive is facing the door.
- Press the gasket firmly in place.
- Peel off the remaining adhesive backing and apply the remaining gasket, again leaving a "tail" at the upper left corner.
- Press the gasket firmly in place.
- Center the glass panel left and right on top of the gasket. Slide the glass toward the bottom of the door until it contacts the stops.
- Hold the glass in place with your hand and wrap the gasket "tails" over the top of the glass and down the outer edges. You will have to twist the gasket so the adhesive will face the glass. Press the "tails" firmly on the glass.
- Replace the air control slide and the upper and lower retainer manifolds and screws.

Glass retainers should be tightened gradually, following an alternating pattern similar to tightening vehicle lug nuts. Do not over-tighten. It may be necessary to retighten once again after the stove has been burned and the new gasket has seated.

6.3 Door Gasket

Gaskets are a wear item which must be replaced occasionally. To check the front door gasket, put a dollar bill halfway into the stove, close and latch the door, and try pulling the dollar out. If it can be removed easily, the seal is too loose. Check several spots around the door. To replace the gasket, scrape out all old gasket material and gasket cement. Spread a 1/8" bead of stove cement into the bottom of the groove and press in new gasket.

Universal Gasket Kit 157050 includes all the gasket needed for replacement of the F 602 V2 door and glass panel. The door requires 36" of 1/4" diameter high density gasket. The gasket between the glass panel and the door receives very little wear. The best indication that it needs to be replaced is streaks on the glass caused by air leaking around the sides of the glass.

6.4 General

As with your car, regular maintenance will prolong the life of your stove and ensure satisfactory performance. A good time to do this is when you are cleaning the chimney and the connector. Thoroughly clean the entire stove. Make sure the stove and ash bed are stone cold and use a shop vac to thoroughly remove fly ash from around air inlets and the baffle at the top of the firebox.

In a darkened room, use a strong light to inspect the stove inside and out for cracks or leaks at corners and joints. Cracked parts should be replaced. Leaks at joints can be patched with high-temperature furnace cement.

6.5 Chimney Cleaning

The Jøtul F 602 V2 is designed to burn cleanly and efficiently when used according to the guidelines in this manual. In order to maintain proper performance, you should inspect the chimney and chimney connector at the beginning of each heating season and then every other month during the heating season. Clean the chimney whenever creosote and fly ash accumulation exceeds 1/4 inch in any part of the system.

Chimney brushes are available from your local Jøtul dealer or hardware supply store. Your dealer can also refer you to a reputable, professional chimney sweep who will have all the equipment to ensure a complete and proper job. Failure to keep the chimney system free of creosote and build up could result in a chimney fire.

7.0 Jøtul F 602 V2 Clearances Table

Stove clearances Top vent/vertical	Unprotected surfaces			Protected surfaces (NFPA 211)		
	<u>Side</u>	<u>Rear</u>	<u>Corner</u>	<u>Side</u>	<u>Rear</u>	<u>Corner</u>
Single wall pipe W/out rear heatshield	21" 535mm	13.5" 345mm	13" 330mm	13" 330mm	11" 280mm	9" 230mm
Single wall pipe With rear heatshield	21" 535mm	11" 280mm	11" 280mm	13" 330mm	11" 280mm	9" 230mm
Shielded single wall pipe With rear heatshield	21" 535mm	9" 230mm	9" 230mm	13" 330mm	8" 205mm	8" 205mm
Double wall pipe With rear heatshield	24" 610mm	9" 230mm	9" 230mm	13" 330mm	8" 205mm	8" 205mm
Double wall pipe W/out rear heatshield	24" 610mm	15" 380mm	15" 380mm	12" 305mm	8" 205mm	8" 205mm

Connector Pipe	Unprotected surface Vertical installation	Protected surface (NFPA 211) Vertical installation
Single wall pipe	18" 460mm	6" 150mm
Double wall pipe	pipe mfgr.listing	pipe mfgr.listing

Connector Pipe	Unprotected surface Horizontal installation	Protected surface (NFPA 211) Horizontal installation
Single wall pipe	18" 460mm	9" 230mm
Double wall pipe	pipe mfgr.listing	pipe mfgr.listing

Minimum alcove dimensions:

	Unprotected surface Vertical venting. Assumes top exit:	Protected surface (NFPA 211) Vertical venting Assumes top exit:
Minimum alcove width	55" (1400mm)	41" (1040 mm)
Maximum alcove depth	48" (1220mm)	48" (1220 mm)
Height above the top of the stove	71" (1805mm)	71" (1805 mm)

Fig. 1.

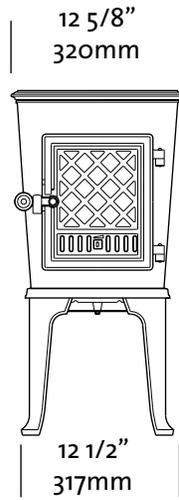


Fig. 2.

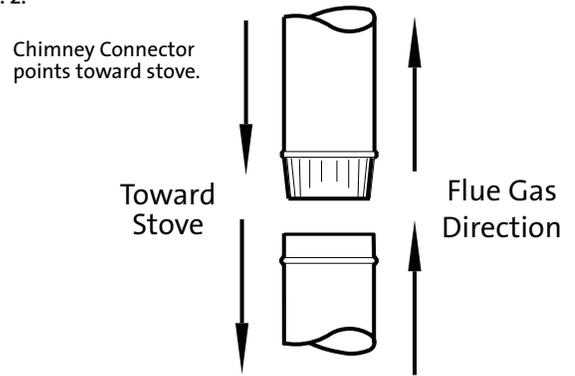


Fig. 3.

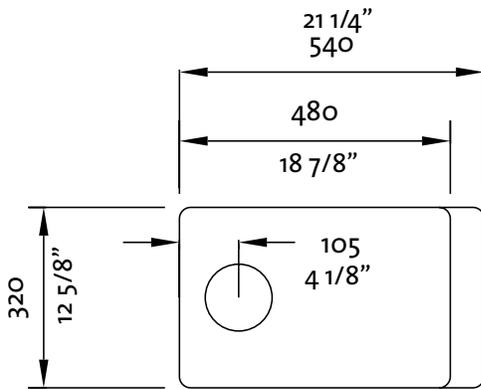
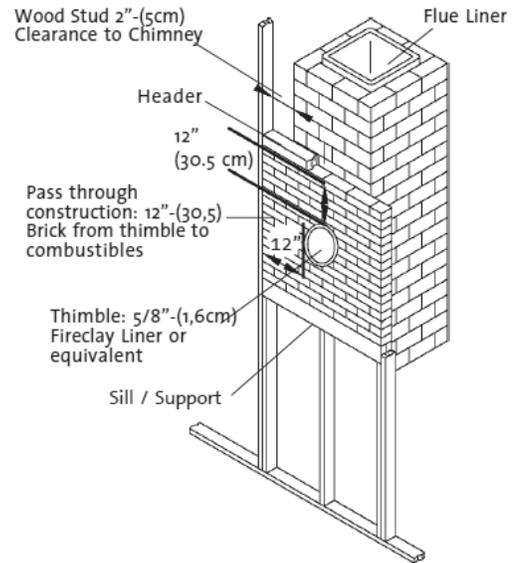
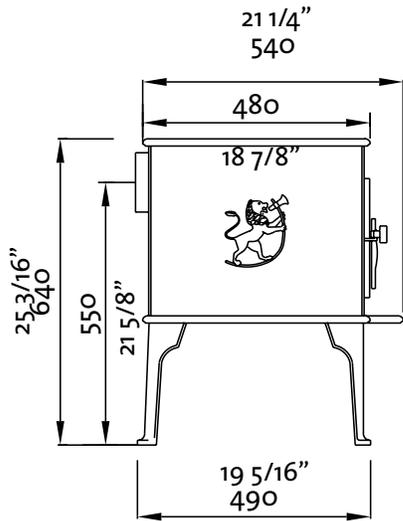


Fig. 4.

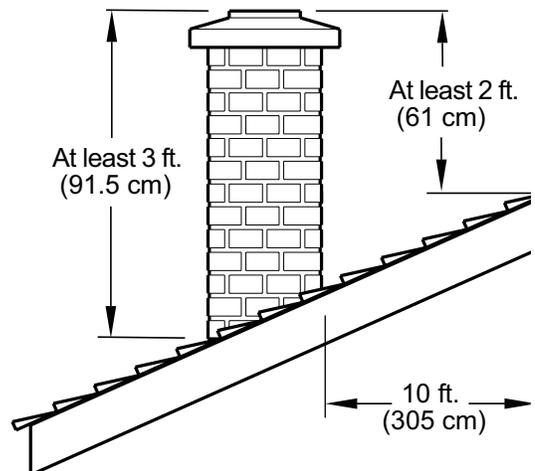


Fig. 5

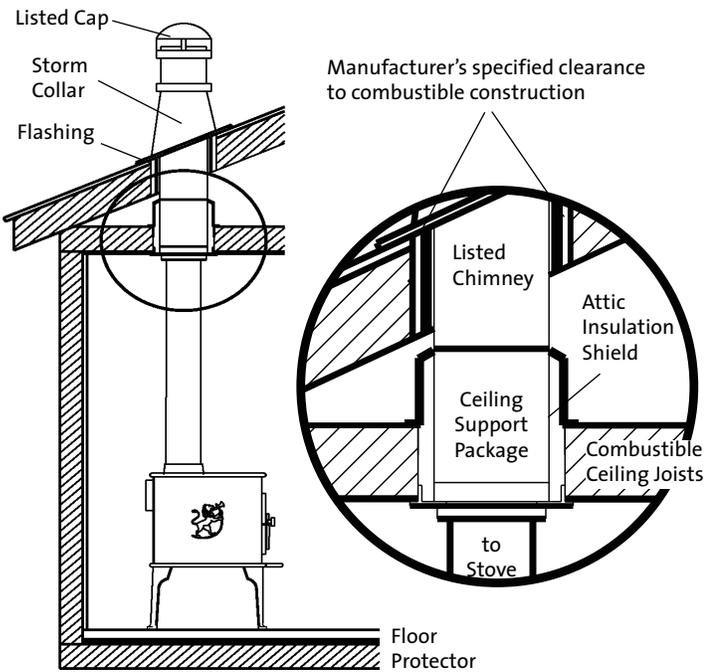
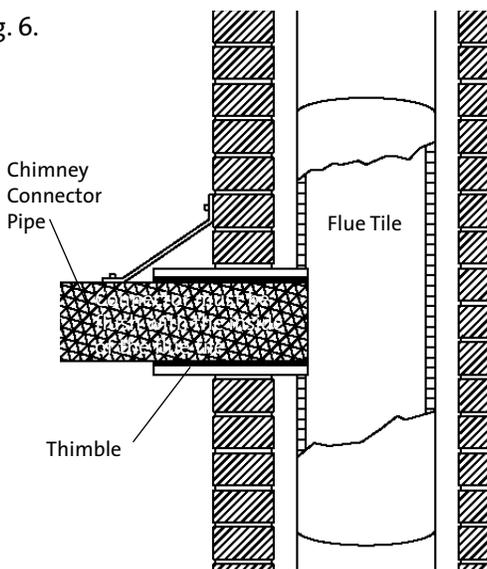
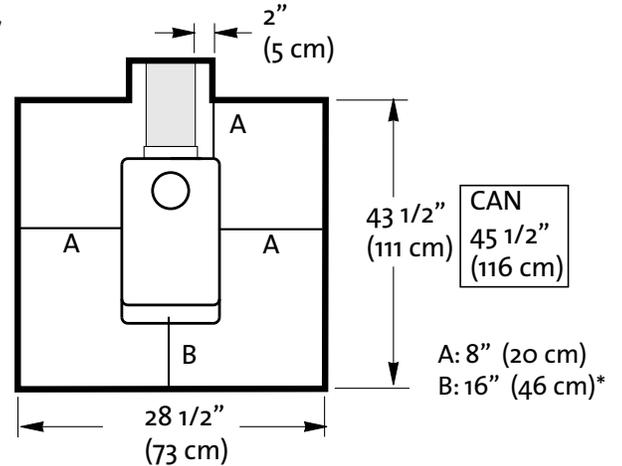


Fig. 6



Hearth Protection

Fig. 7



* (Measurements in centimeters pertain to Canada.)

Clearance to Adjacent Combustibles

Fig. 8

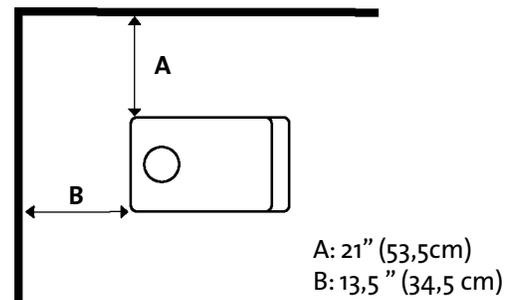


Fig. 9

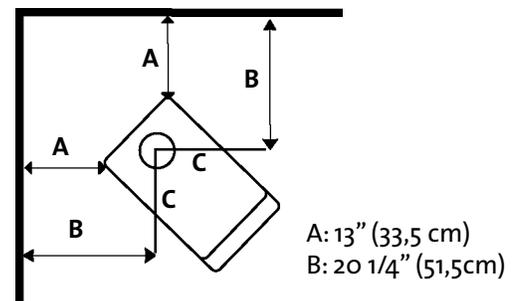


Fig. 10

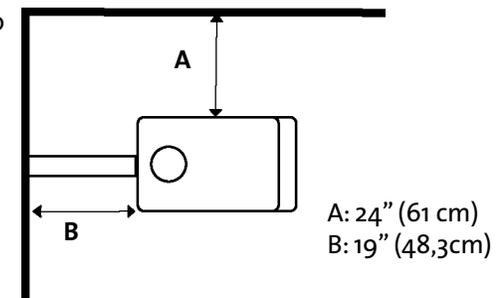


Fig. 11 **Rear Heat Shield to reduce clearance**
Single wall pipe, top exit only

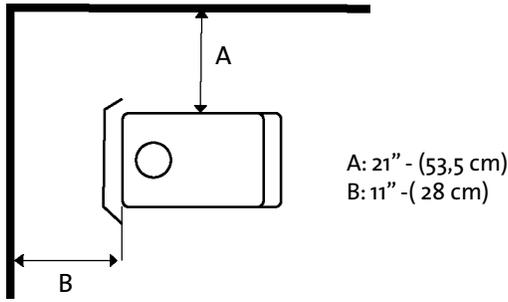


Fig. 14 **Alcove - double wall pipe and wall protection**

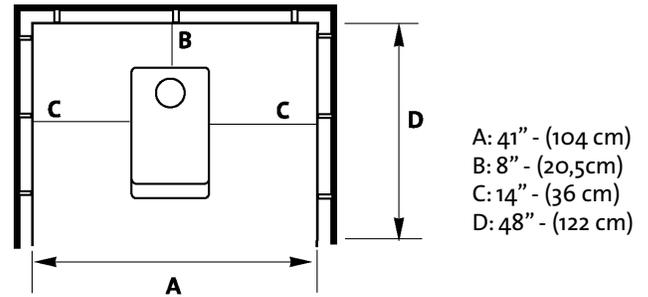


Fig. 12 **Alcove Installation**
Double wall pipe and stove heat shield

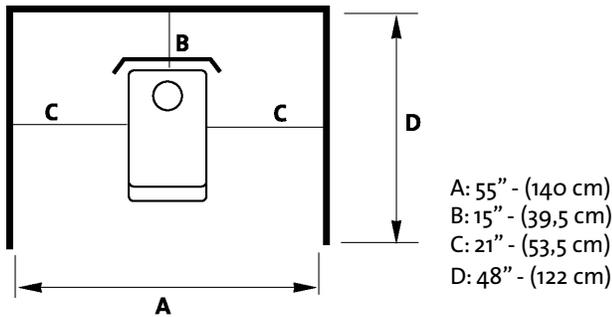


Fig. 15 **Alcove with wall protection**

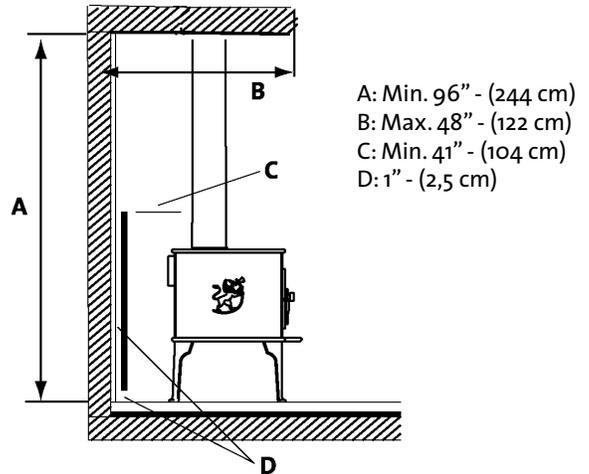


Fig. 13 **Alcove with rear heatshield**

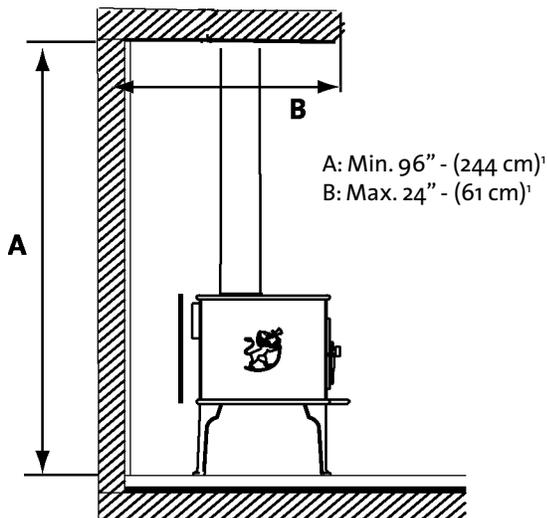
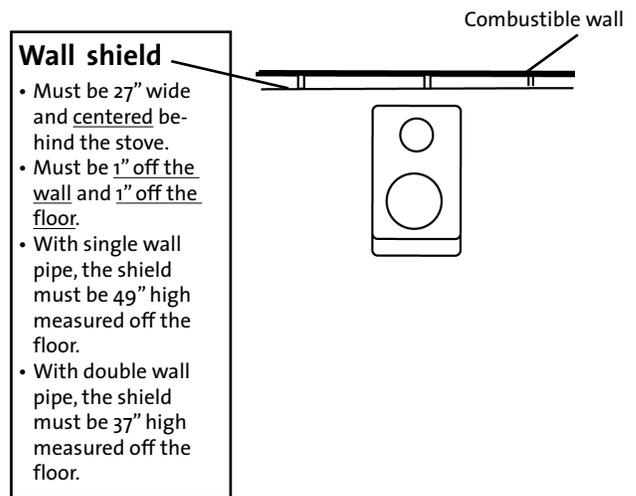


Fig. 16 **Parallel installation with wall shield**



* (Measurements in centimeters pertain to Canada.)

Fig. 17 Parallel installation in a corner with wall shield

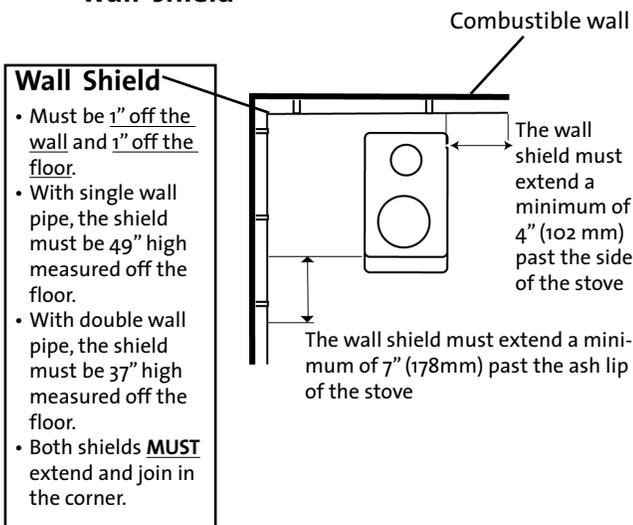


Fig. 18 Corner installation with wall shield

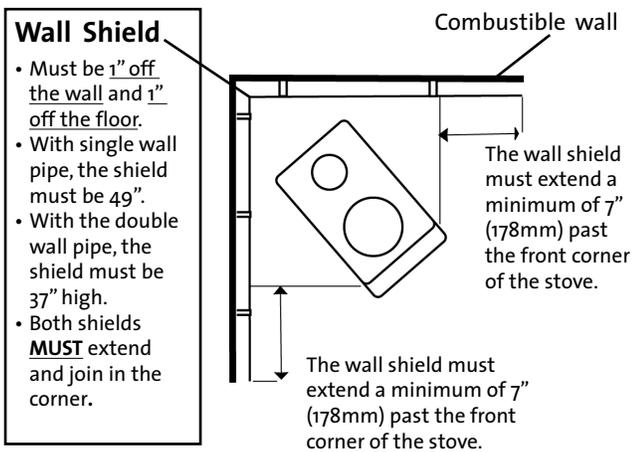
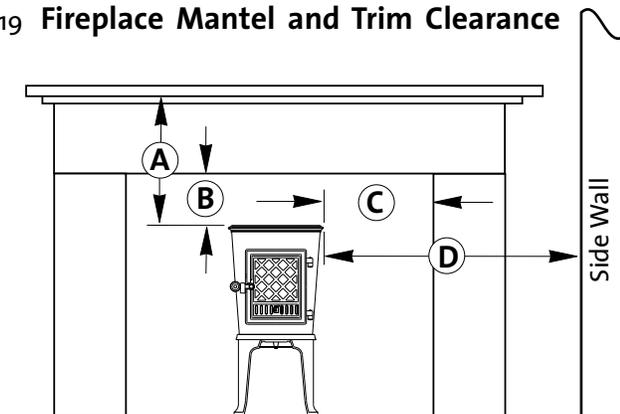


Fig. 19 Fireplace Mantel and Trim Clearance



- A: Unit to 8" Wide Mantel - 30 in. (76 cm)
- B: Unit to Top Trim - 21 in. (53.5 cm)
- C: Unit to Side Trim - 18 in. (46 cm)
- D: Unit to Side Wall - 24 in. (61 cm)

Fig. 20 Controls

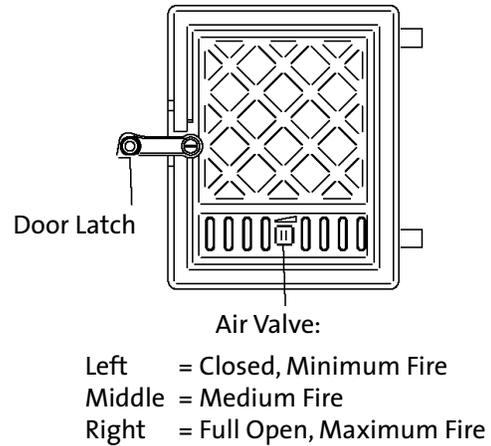


Fig. 21 "Top-Down" fire starting

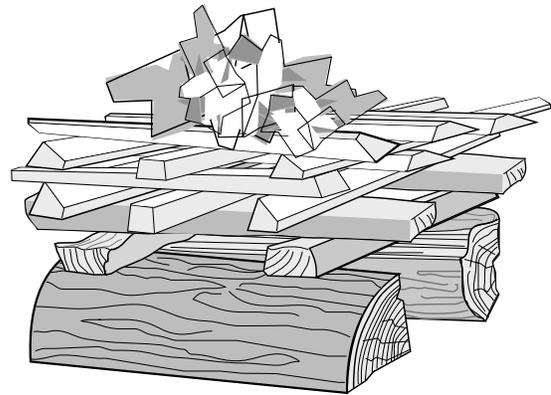
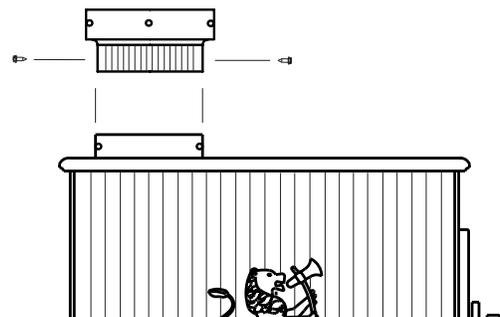


Fig. 21 Dripless Adaptor Installation



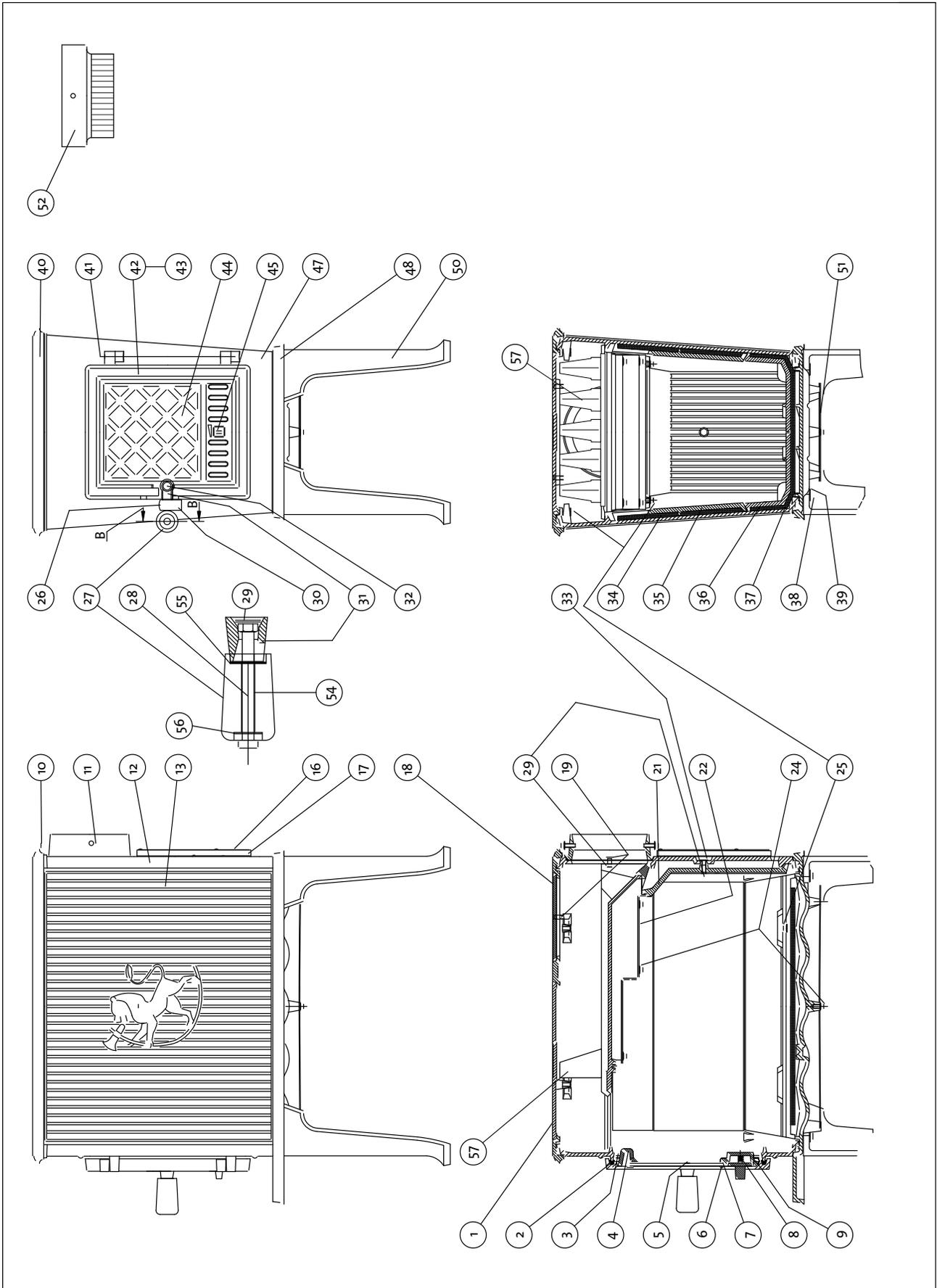


Fig.21 F602 V2 Exploded Diagram

8.0 Illustrated Partlist

Pos	Description	Part Number
1	Cook Plate	100898
2	Gasket, LD2-375	225695
3	Screw, M6 x 12, Phillips Pan Head	118042
4	Air Deflector	103153
5	Nut, Lock, M8, DIN 980V, Zinc	9931
6	Gasket, LD2-187 (3/16" D)	200028
7	Gasket, LD2-250 (1/4" D)	129644
8	Spring, Air Valve	128427
9	Valve Holder	105020
10	Screw, Hex, Self-drill, #8 x 1.25"	118205
11	Smoke Outlet	101559
12	Back Panel	10356892
13	Side Plate	10166992
16	Serial Number Plate	226578
17	SN Plate Bracket	225736
18	Outlet Cover	101698
19	Screw, Flat Head, Hex Drive, M6 X 20	118236
21	Rear Burn Plate/Air Manifold	103462
22	Air Chamber Complete	158169
24	Bolt, Hex Head Serr Flange M6x12	117130
25	Bolt, Hex Hd Serr Flange M6 x 25	118109
26	Bolt, Hex Head Serr Flange M6x16	99625
27	Wooden Knob, Black	124852
28	Screw, Slotted Pan Head, M6 x 70	117825
29	Nut, M6 Serrated Flange plain	117968
30	Latch Hook	120013
31	Door Handle	101805
32	Screw, M8 x 25, Flat Head, Hex Drive	116960
33	Bolt, Hex Cap, M6x30	9906
34	Insulating Blanket, Side	225666
35	Side Burn Plate	10346512
36	Bottom Burnplate	10346612
37	Insulating Blanket, Bottom	128510
38	Bolt, Hex Hd Serr Flange M6 x 25	118019
39	Washer, 6.4mm ID x18mm OD x 1.6mm	120004
40	Top plate	10166792
41	Hinge pin, New Style, Black	127075
42	Door, Complete w/Glass, Gasket & Knob	158170
43	Door, Front	103152
44	Glass, Ceramic	128101
45	Air Valve	10315592
47	Front Plate	10168392
48	Bottom Plate	10166592
50	Leg	10081792
51	Bottom Heatshield	128571
52	Dripless Adapter, 125mm to 6"	124817
54	Sleeve, 8mm OD X 6.2 mm ID X 62mm	129930
55	Washer, 23mm OD x 8.2mm ID x 2mm	124853
56	Washer, 6.4mm ID x 18mm OD x 1.6mm	127105
57	Turbulator Weldment	226580

9.0 Appendix A

Alternate floor protection

All floor protection materials must be non-combustible (ie. Metal, brick, stone, mineral fiber boards). Any combustible material may not be used.

The easiest means of determining if a proposed alternate floor material meets requirements listed in this manual is to follow this procedure.

R-value = thermal resistance

K-value = thermal conductivity

C-value = thermal conductance

- Convert the specification to r-value;
 - If r-value is given, no conversion is needed.
 - If k-value is given with a required thickness (t) in inches: $R=1/k \times T$.
 - If c-value is given: $R=1/C$.
- Determine the r-value of the proposed alternate floor protector.
 - Use the formula in step 1 to convert values not expressed as "R".
 - For multiple layers, add r-values of each layer to determine overall r-value.
- If the overall R-value of the system is greater than the R-value of the specified floor protector, the alternate is acceptable.

Example:

The specified floor protector should be 3/4" thick material with a k-factor of 0.84. The proposed alternate is 4" brick with a c-factor of 1.25 over 1/8" mineral board with a k-factor of 0.29.

Step A. Use formula above to convert specifications to R-value. $R=1/k \times t = 1/.84 \times .75 = .893$

Step B. Calculate r of proposed system.

4" brick of c-1.25, therefore

$$R \text{ brick} = 1/c = 1/1.25 = 0.80$$

1/8" mineral board of K = 0.29 therefore

$$R \text{ mineral board} = 1/.29 \times 0.125 = 0.431$$

$$\text{Total R} = R \text{ brick} + R \text{ mineral board} = 0.8 + 0.431 = 1.231$$

Step C. Compare proposed system R = 1.231 to specified R of 0.893. Since R is greater than required, the system is acceptable.

Definitions:

Thermal conductance =

$$C = \frac{\text{btu}}{(\text{Hr})(\text{ft}^2)(\text{f})} = \frac{W}{(\text{m}^2)(\text{k})}$$

Thermal conductivity =

$$K = \frac{\text{btu}}{(\text{Hr})(\text{ft}^2)(\text{f})} = \frac{W}{(\text{m}^2)(\text{k})} = \frac{(\text{btu})}{(\text{hr})(\text{ft}^2)(\text{f})}$$

Thermal resistance =

$$R = \frac{\text{btu}}{(\text{Hr})(\text{ft}^2)(\text{f})} = \frac{(\text{m}^2)(\text{k})}{W} = \frac{(\text{btu})(\text{inch})}{(\text{hr})(\text{ft}^2)(\text{f})}$$

9.1 F 602 V2 Start-Up and Refueling

Follow these directions to get the best emissions performance from your F 602 V2:

Cold Start

Use the following technique for the best start from a “cold” stove:

1. Cut and split kindling pieces approximately 10” long. The recommended piece size is 1/2 ” - 3/4” in cross section. Cut and split kindling pieces at 6” long and about 1/2” in cross section. The kindling should be very dry and the total weight would be about 1 lbs. if hardwood. A recommended stacking arrangement of the fuel pieces is shown in Figure 34.
2. The next fuel increment size for the “start up” pieces should be the same length but a bit larger between 1” to 1-1/2” in cross section. The start-up fuel total weight should be about 2.3 lbs. Again, the criss-cross loading technique will provide ample air flow through the pieces resulting in a robust start-up.
3. When using a “top down” starting method the start-up pieces will be on the bottom of the firebox with the kindling pieces arranged on top of the start-up pieces. The shorter pieces will run side to side and the long pieces running front to back.
4. Make sure the air control on the door is fully positioned to the right to allow maximum airflow to the fire.
5. For quick and easy ignition a propane torch can be used for about 60 seconds. If doing the top down start-up, light the top front of the pile.
6. Close the door until the latch hits. This will leave the door in a slightly open position.
7. After one minute, close the door fully and secure the door latch.
8. Make sure the air control is still in the maximum open position.

Medium Fire

1. At the end of the previous burn cycle, rake and arrange the remaining coals until they are equally distributed and level across the firebox.
2. Load with all pieces in a front to back (north / south) orientation. Load the larger pieces in the center and make sure there is some space on each side for good air flow. Load the smaller pieces on top of the bottom logs keeping them tightly spaced together.
3. Immediately close the load door and set the air control to maximum open (fully to the right).

4. After 1 minute, set the air control to the medium position which is in the center of the travel range.

Low Fire

1. At the end of the previous burn cycle, rake and arrange the remaining coals until they are equally distributed and level across the firebox.
2. Load with all pieces in a front to back (north / south) orientation. Load the larger pieces in the center and make sure there is some space on each side for good air flow.
3. Immediately close the load door and set the air control to maximum open (fully to the right).
4. After 1 minute, adjust the air control handle to the minimum air flow position (fully to the left) and leave it there until the fire is well established on the top of the wood below the baffle. There will still be some small openings visible in the air inlet slots.

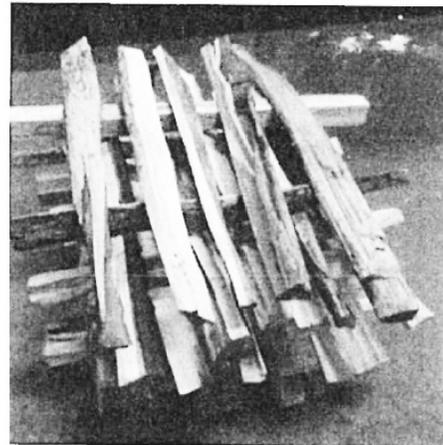


Figure 34. Criss-Cross Pattern

10.0 Jøtul F 602 V2 Warranty

A. LIMITED LIFETIME WARRANTY, parts only:

Jøtul North America Inc. (JØTUL) warrants, to the original retail purchaser, that those baffle and air manifold components of the Jøtul or Scan Stove or Fireplace Insert specified above will be free of defects in material and workmanship for the life of the product. This warranty is subject to the terms, exclusions and limitations set forth below.

B. LIMITED FIVE YEAR WARRANTY - Cast Iron and Steel Components:

JØTUL warrants, to the original retail purchaser, that those components of the Jøtul Stove or Fireplace Insert specified above will be free of defects in material and workmanship for a period of five (5) years from the date of purchase. This warranty is subject to the terms, exclusions and limitations set forth below.

C. LIMITED TWO YEAR WARRANTY - Enamel Finish:

JØTUL warrants, to the original retail purchaser, the enamel finish on cast iron components of the Jøtul Stove or Fireplace Insert specified above against peeling or fading for a period of two (2) years from the date of purchase. This warranty is subject to the terms, exclusions and limitations set forth below.

D. LIMITED ONE YEAR WARRANTY - Electrical Components (blowers, thermostatic switches):

JØTUL warrants, to the original retail purchaser, that those components of the Jøtul or Scan Stove or Fireplace Insert specified above will be free of defects in material and workmanship for a period of one (1) year from the date of purchase. This warranty is subject to the terms, exclusions, and limitations set forth below:

JØTUL will repair or replace, at its option, any of the above components determined by JØTUL to be covered by this warranty. You must, at your own expense, arrange to deliver or ship the component to an authorized Jøtul or Scan dealer and arrange for pickup or delivery of the component after repairs have been made. If, upon inspection, JØTUL determines that the component is covered by this warranty, the repair or replacement will be made as set forth above. This warranty is not transferable and is extended only to, and is solely for the benefit of, the original retail purchaser of the Jøtul or Scan Stove or Fireplace Insert. This paragraph sets forth the sole remedy available under this warranty in the event of any defect in the Jøtul Stove or Fireplace Insert.

The warranty period for any replaced component will be the remaining unexpired portion of the warranty period for the original component.

Please retain your dated sales receipt in your records as proof of purchase.

EXCLUSIONS AND LIMITATIONS

NOTICE: This warranty is void if installation or service is performed by someone other than an authorized installer or service agency, or if installation is not in conformance with the installation and operating instructions contained in this owner's manual or local and/or national fire and building regulations. A listing of local authorized installers, service agencies and gas suppliers can be obtained from the National Fireplace Institute at <http://www.nficertified.org/>.

This warranty does not cover the following:

1. Repair or replacement of parts that are subject to normal wear and tear during the warranty period or to parts that may require replacement in connection with normal maintenance. These parts include paint, gaskets, burn plates, ceramic insulation blankets, skamol baffles and panels, firebricks, fire grates, or glass (Ceramic glass is warranted against thermal breakage only).
2. Damage due to incorrect installations not in conformance with the installation instructions contained in this owner's manual or local and/or national fire and building regulations.
3. Damage, including damage to enamel surfaces, caused by improper operation, over-firing, and/or misuse. Improper operation, such as burning the stove with the ash door open, can damage the stove. Over-firing occurs when any part of the stove glows red. Over-firing can also be identified by warped plates, rust-colored cast iron, paint pigment that has turned dusty white, or bubbling, cracking and discoloration of the enamel finish. Misuse includes, without limitation, use that is not in conformance with the operating instructions contained in this owner's manual.
4. Damage to enamel finish including chipping, mechanical or chemical abrasion, crazing, staining, or rust caused by high humidity or salt air environments.
5. Damage from or repair of rust. Use of a stove-top steamer can cause rust.
6. Damage due to service performed by an installer or service agency, unless otherwise agreed to in writing by JØTUL.
7. Damage caused by unauthorized modification, use or repair.
8. Costs incurred by travel time and/or loss of service.
9. Labor or other costs associated with the repair of components beyond the warranty period.
10. Damage incurred while the Jøtul or Scan Stove or Fireplace is in transit.

IN NO EVENT SHALL JØTUL, ITS PARENT COMPANY, SHAREHOLDERS, AFFILIATES, OFFICERS, EMPLOYEES, AGENTS OR REPRESENTATIVES BE LIABLE OR RESPONSIBLE TO YOU FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR OTHER SIMILAR DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR DAMAGES TO A STRUCTURE OR ITS CONTENTS, ARISING UNDER ANY THEORY OF LAW WHATSOEVER. ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WRITTEN WARRANTY. EXCEPT AS EXPRESSLY SET FORTH HEREIN, JØTUL MAKES NO ORAL, WRITTEN OR OTHER WARRANTY WITH RESPECT TO JØTUL OR SCAN STOVES OR FIREPLACES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on the length of implied warranties. Therefore, the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

JØTUL reserves the right to discontinue, modify or change the materials used to produce the Jøtul or Scan Stove or Fireplace Insert. JØTUL shall have the right to replace any defective component with substitute components determined by JØTUL to be of substantially equal quality and price.

The dollar value of JØTUL's liability for breach of this warranty shall be limited exclusively to the cost of furnishing a replacement component. JØTUL may at its discretion discharge all obligations by refunding the wholesale price of any defective part or appliance. JØTUL shall in no event be liable for any special, indirect or consequential damage of any nature which is in excess of the original wholesale purchase price of the product. JØTUL shall not in any event be liable for the cost of labor expended by others in connection with any defective component. Any costs or expenses beyond those expressly assumed by JØTUL under the terms of this warranty shall be the sole responsibility of the owner(s) of the Jøtul Stove or Fireplace.

No dealer, distributor, or other person is authorized to modify, augment, or extend this limited warranty on behalf of JØTUL. **NO MODIFICATION OR CHANGE TO THIS WARRANTY WILL BE EFFECTIVE UNLESS IT IS MADE IN A WRITTEN DOCUMENT MANUALLY SIGNED BY AN AUTHORIZED OFFICER OF JØTUL.**

An authorized installer may have been provided with certain information related particularly to the Jøtul or Scan Stove or Fireplace; however, no authorized installer or other person who may service the appliance is an agent of JØTUL. No inference should be made that JØTUL has tested, certified, or otherwise pronounced any person as qualified to install or service the appliance. JØTUL shall not be liable or otherwise responsible for any error or omission by a person installing or servicing a Jøtul or Scan Stove or Fireplace Insert.

If you believe your Jøtul or Scan Stove or Fireplace Insert is defective, you should contact your nearest authorized Jøtul dealer, who will process a warranty claim. **IN ORDER TO QUALIFY FOR WARRANTY COVERAGE, JØTUL MUST RECEIVE NOTICE OF A POSSIBLE DEFECT WITHIN SIXTY (60) DAYS OF THE DATE THE DEFECT IS FIRST DISCOVERED, OR REASONABLY COULD HAVE BEEN DISCOVERED.**

*This warranty is given by Jøtul North America, Inc.,
55 Hutcherson Drive, Gorham, Maine 04038 USA*

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March 2020

We appreciate your trust in welcoming our product into your home and invite your comment and appraisal of our efforts to provide you with the finest in home hearth products. Jøtul maintains a policy of continuous product development. Products supplied may therefore differ in specification, color, and type of accessories from those illustrated and described in this manual.

For Your Records...

Record the following information to help your dealer determine what you will need should your stove ever require parts or service. The serial number and manufacturing date are indicated on the permanent label located on the back of the stove. You may also wish to attach your sales receipt to this manual for future reference.

Model: Jøtul F 602 V2

Serial Number:

Purchase Date:

Dealer:

Phone:

Installed by:

Date:

Jøtul North America Inc.
55 Hutcherson Drive
Gorham, Maine 04038
USA

Jøtul AS,
P.o. box 1411
N-1 Fredrikstad,
Norway

