

BUILT-IN WALL FIREPLACE  
Project Planning  
Checklist



# Checklist Overview

Successfully planning a fireplace installation requires many steps and considerations throughout the process. This checklist will help ensure that your planning process is seamless from beginning to end.

- 01 Choose Your Fireplace >
- 02 Decide Your Fireplace Placement >
- 03 Plan Your Vent Pipe Run >
- 04 Design Your Heat Release >
- 05 Design Your Air Intake >
- 06 Locate Your Access Panel >
- 07 Design Your Wall >



# 01 Choose Your Fireplace

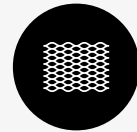


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## Style and size

Ortal has more than 100 built-in models in seven families, including Front Facing, Corner, Three Sided, Space Creator, Tunnel, Traditional, and Indoor-Outdoor Tunnel. Sizes range from 40 cm (15.75 in) and up to 250 cm (98.43 in) wide.



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## Heat barrier

Choose between a patented micro-mesh screen with a frameless look, or a double-glass heat barrier with a ventilation layer and silent fans to protect your clients without compromising on style or comfort.

## 02 Decide Your Fireplace Placement



Place your fireplace at the height on the wall that works best with your design. You have the option to keep the standard height, recess the fireplace down into the floor or raise the fireplace by creating a platform to your desired height.



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### Flooring or platform materials

The surface the fireplace sits on, whether it be a platform or the subfloor, can be made from any material regardless of combustibility. The material just needs to be able to bear the entire weight of the fireplace.

# 03 Plan Your Vent Pipe Run



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## General pipe requirements

Ortal fireplaces operate using a direct vent system and require a co-axial direct vent pipe. The pipe size required depends on the fireplace size being specified. Do not combine vent components from different pipe manufacturers. To determine pipe size, please reference the Ortal Installation Manual as needed for more details.



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## Certified pipe manufacturers

Choose from several manufacturers:

[Olympia's Ventis line](#)

[DuraVent's DirectVent Pro line](#)

[ICC's EXCELDirect line](#)

[BDM's Pro-Form Direct Vent System line](#)

[Selkirk's Direct-Temp System line](#)

## 03 Plan Your Vent Pipe Run (continued)



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### Vent pipe run

Plan your vent pipe run by referring to the Venting Run Diagrams section of the Installation Manual. If your desired vent run exceeds the allowable maximums, consider Ortal's Power Vent System to assist with air flow. See the Ortal Power Vent Manual for details.



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### Vent pipe clearances

When the pipe is oriented vertically, maintain a 1" clearance to any material around the entire circumference of the pipe. When the pipe is oriented horizontally (or at a diagonal angle) maintain a 1" clearance on the bottom and a 3" clearance on the top to any material.

# 04 Design Your Heat Release



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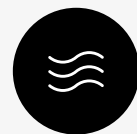
## Heat release

A heat release is required for all built-in models. This allows for heat building up within the fireplace chase to be released back into the living space, helping to keep the fireplace wall cool.

The heat release must start within 0-6" of the draft stop (ceiling of the fireplace chase). Some units may require different measurements.

For inspiration on how to design a heat release, [visit our blog](#).

# 05 Design Your Air Intake



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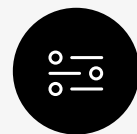
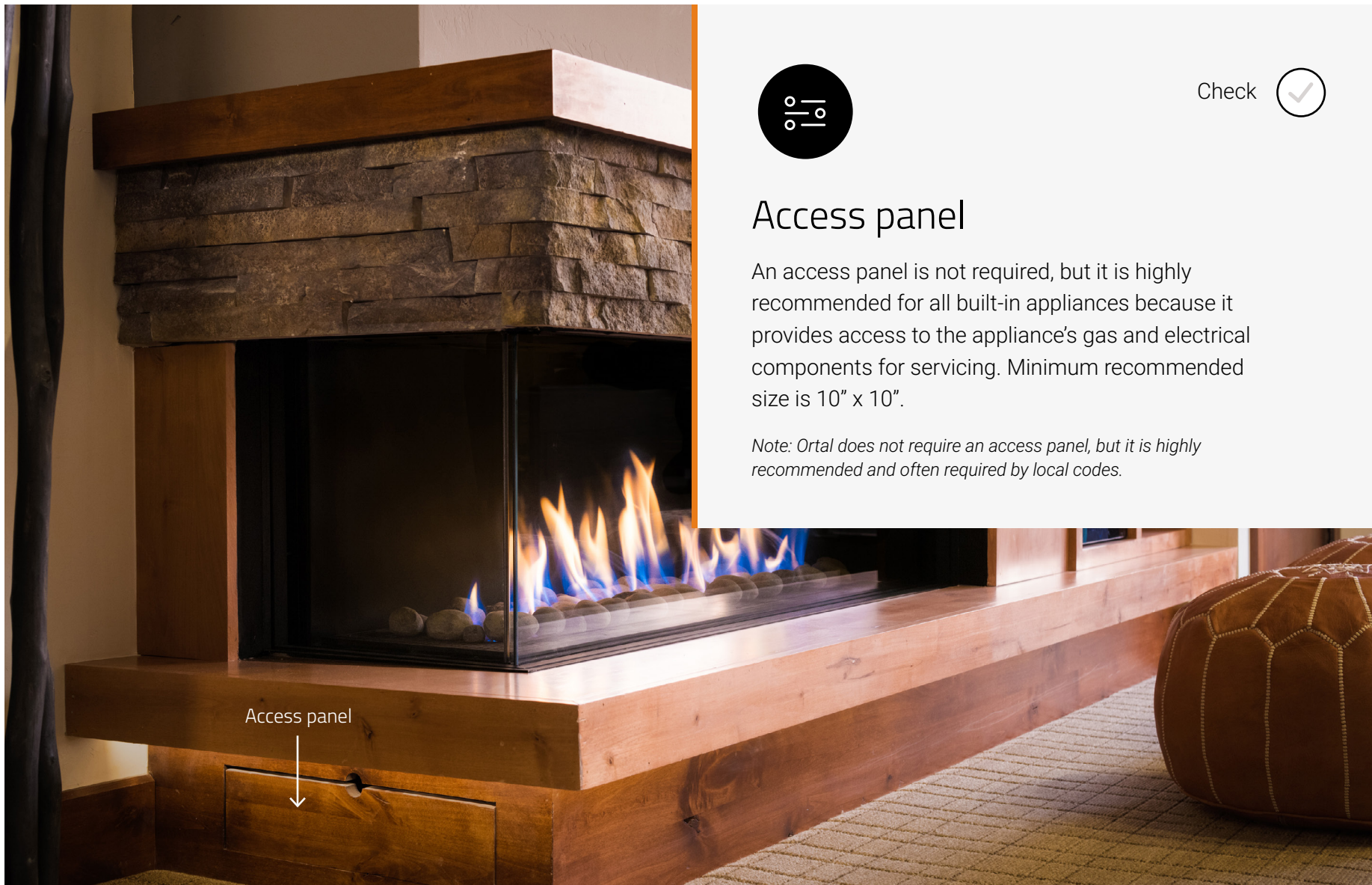
## Air intake

An air intake is required only for fireplaces with a double-glass heat barrier. When installing a double glass fireplace, cool air must flow between the glass panels and through the chase cavity. This is accomplished through an opening (the air intake) at or below the level of the double glass fans. You can design your air intake as a toe kick, gap, grill, and more. Please refer to the Ortal Installation Manual for heat release size requirements.





## 06 Locate Your Access Panel



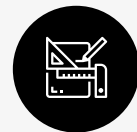
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### Access panel

An access panel is not required, but it is highly recommended for all built-in appliances because it provides access to the appliance's gas and electrical components for servicing. Minimum recommended size is 10" x 10".

*Note: Ortal does not require an access panel, but it is highly recommended and often required by local codes.*

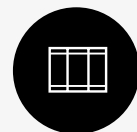
# 07 Design Your Wall



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## Specs and drawings

[Specs](#) and drawings are available on the Ortal website for all models, including CSI specs.



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## Framing requirements

Framing requirements will change depending on your framing material. For all framing material, at minimum the first 18" above the glass viewing area must be noncombustible framing. Refer to the Installation Manual for the complete framing requirements and diagrams for each model.

# 07 Design Your Wall (continued)



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## General finish diagrams

Finish diagrams are available for stone, brick veneer, wood, and wood hearth extensions. Although mantels are not required with Ortal fireplaces, diagrams are available if this is the desired aesthetic.



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## Cool Wall Technology

If you use a fireplace with [Cool Wall Technology](#), you reduce the size of the noncombustible finish zone around the fireplace. You also have the freedom to install a mantel over the fireplace or a noncombustible hearth extension in front of the fireplace. Additionally, a TV or artwork can be hung as low as 12" from the opening. Fireplaces without Cool Wall Technology always require a noncombustible zone, whereas an Ortal fireplace only requires it when using combustible materials.

# The Ortal Advantage

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There are many benefits to specifying Ortal fireplaces for your clients. In addition to providing a safe, stylish, and functional fireplace, as a designer, you get unparalleled flexibility with:

- More than 100 models
- Cool Wall Technology that allows for a range of surround materials
- Power venting that enables placement almost anywhere
- Interior design media to match any taste

Check out our [online resources](#) and schedule a meeting to learn more about how you can incorporate an Ortal fireplace into one of your upcoming projects. One of our knowledgeable reps can [meet with you](#) one on one to take you step by step through the specification process.

Ortal also provides all the resources you need to seamlessly plan and install one of our fireplaces, including:

- Installation Manual
- Specs for all models
- Knowledgeable authorized dealers
- Trained installers
- [Homeowner's Operation and Maintenance Manual](#)