

 **ORTAL**[®]
YOUR LIFE. YOUR FIRE.

HEAT BARRIER
Giving you design freedom and flexibility



ABOUT ORTAL

For close to 30 years, Ortal has been developing a wide-range of highly sought after gas fireplaces. Our strict attention to detail will provide your customers with stunning heating elements that are fuel-efficient and comply with the very latest safety standards, including ANSI Z21.88-2014/ CSA 2.33-2014.

Among the changes to this important standard, which all vented gas fireplace heaters must comply with as of January 1, 2015, is that a safety barrier must be installed on all glass viewing areas that exceed a temperature of 172°. Ortal has uniquely addressed all aspects of the standard, without compromising on design or aesthetics. You'll be able to provide your customers with the fireplace of their choice that is certified to meet these new stringent standards.

Ortal has developed innovative and proprietary protection barriers to ensure maximum compliance with the latest safety regulations, that help to protect young children and others from serious burns.

Without any compromise to aesthetics, all of our stunning fireplaces ensure that the glass enclosure on your fireplace is comfortably warm to the touch and completely safe utilizing our new innovative technology.

Many of our models are available with your choice of two protection barrier solutions: Double glass (fan assisted) or Screen. This gives you the freedom and flexibility to select the model of your choice.





HEAT BARRIER

DOUBLE GLASS (FAN ASSISTED)

Ortal's double glass solution is comprised of a double-pane glass enclosure with a thin ventilation layer in between. Cool air flows through the ventilation layer created by small fans located at the bottom of the fireplace. This ensures that the outer glass layer's temperature is significantly reduced to comply with the latest regulations. At the same time, the heat from the interior glass flows through the chase and is returned to the room via a heat release opening located at the top of the fireplace. This not only creates a safer fireplace; it also makes it more effective as a heating element.

In order to maintain airflow between the glass panels and to allow room-temperature air to enter the chase cavity, an opening in the exterior finish surface underneath the firebox is necessary. This detail must be included prior to closing the wall surface, below the fireplace. A 110 volt 20 amp dedicated outlet must also be available in order to power the fan.

Ortal's Double Glass gives you:

TOTAL FLEXIBILITY

Can be applied to many of our models, giving you the widest design selection available

SEAMLESS DESIGN

A clean, smooth look, you'll get a completely glassed in enclosure without unsightly metal corners or seams

HEAT DISTRIBUTION

This innovative methodology distributes the majority of the heat through the heat release at the ceiling level

HIGHEST QUALITY GLASS

So clear, you won't notice the extra layer of glass, giving you total transparency

COMPLETE COMPLIANCE

Maintains the latest regulatory standard of less than 172° F

CONVENIENT

Easy to operate and near silent operation





HEAT BARRIER

SCREEN

Ortal's standard protection barrier is a screen solution. The screen barrier uses a nearly transparent mesh screen fitted on your fireplace's glass enclosure. It supports any type fireplace, including front-facing, tunnel (see-thru) and multi-sided models.

For front-facing and tunnel models, the screen is pre-fitted as a layer in front of the glass. The screen is almost invisible to the eye, with its edges hidden within the fireplace frame.

Multi-sided models use the same type of mesh screen, but with a unique method of glass-to-glass application that is patent-pending. Ortal fits a glass bracket mechanism angled at 45° on the inner side of the glass' edges. The screen is attached to the glass bracket from the interior of the firebox frame and wrapped around so that it is both stable and seamless – without any visible frame.

This patent-pending technology (USSN 60/040,074) provides you with a complete, convenient solution that complies with today's stringent regulations.



Ortal's Screen gives you:

Complete Flexibility – can be applied to all of our models, giving you the widest design selection available

Clear View – the screen is so fine, it's near invisible to the naked eye, preserving the fireplace's view and design

Seamless Design – installed using hidden fasteners and our glass bracket insert, you'll get a completely transparent view

Long-lasting Durability – using the highest quality materials available, your Screen will stand the test of time





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