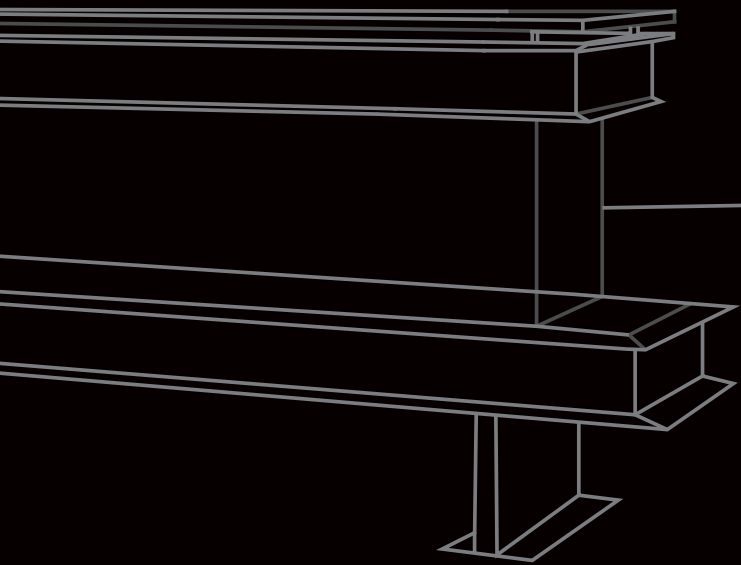


ORTAL<sup>®</sup>



YOUR LIFE. YOUR FIRE. 



REDISCOVER FIRE

# CONTENTS

About Us	4-5
Power Vent System	6-7
Technology and Optional Features	8-13
Front Facing	14-25
Corner	26-39
Three Side	40-49
Space Creator	50-61
Tunnel	62-71
Stand Alone	72-81
Traditional	82-85
Models	86-87
Credits	88





# ABOUT US

Ortal, founded in 1986, has gained global recognition for its extensive selection of modern gas fireplaces, produced with close attention to detail, finishing and quality. Our products combine traditional and modern design with technological innovations that make them eco-friendly with high heating efficiency ratings. Stunning fireplaces that are safe, beautiful and very effective is made possible with our proprietary advanced technology, which allows you to install our fireplaces where others cannot.

Ortal's extensive selection of modern fireplaces is the largest in North America and are available in an array of sizes to suit various design and architectural needs.

We welcome your vision for custom-made fireplaces, addressing any special requirements, size and use. Our high-quality fireplaces are CSA and CE certified and our dealers are committed to provide you service and installation excellence. Ortal fireplaces are available in North America through Ortal USA approved dealers.



**GREEN STATEMENT:** Ortal offers a green, environmentally friendly heating solution for the modern era. With Ortal's high efficiency ratings and contemporary designs, you don't have to sacrifice form for function. Ortal's unique design maximizes the fireplace's radiant heat. Additional efficient components include Ortal's use of direct vent technology, electronic ignition (instead of a standing pilot) and low maintenance requirements.



Technigas®



# THE POWER VENT SYSTEM

Among the industry's most sophisticated technology, Ortal's Power Vent System allows you to install our fireplaces in locations that conventional direct vent systems can't.

The placement of the fireplace is no longer dependent upon the venting pathway. This system allows increased flexibility for locating the appliance inside the building. The Power Vent System creates a mechanical draw on the exhaust combustion gases making longer vertical and horizontal venting pathways possible and allowing architects, designers and builders to work with ease.

## **Advantages of the Ortal Power Vent Systems: Inline-90**

- Small Vent pipe, 35CVS (5 inch diameter)
- Can be installed with up to 6 -90 degree elbows
- Can have a vertical drop (max 6 feet from top of firebox)
- Accommodates longer runs, up to 110 feet depending on the fireplace model.
- Integrated Power Vent control. Same device controls firebox and Power Vent.
- Requires fan box to be installed a minimum of 21 feet of vent run length from the connection point up to a maximum of 45 feet.
- Requires access panel for the fan box.
- Has both horizontal and vertical termination.
- Power is tied back to the fireplace, requires 110 volt.

## **Flush horizontal termination end line**

- Small Vent pipe 35CVS (5 inch diameter)
- Can be installed with up to 6 -90 degree elbows
- Can have a vertical drop (max 6 feet from top of firebox)
- Accommodates longer runs, up to 65 feet depending on the fireplace model.
- Integrated Power Vent control. Same device controls firebox and Power Vent.
- Fan box also serves as termination cap.
- Servicing can be done from the exterior for the fan motor.
- Requires minimum 21 feet of vent run.
- Only for horizontal terminations.
- Power is tied back to the fireplace, requires 110 volt.

Option A:

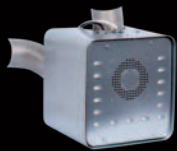


fan box

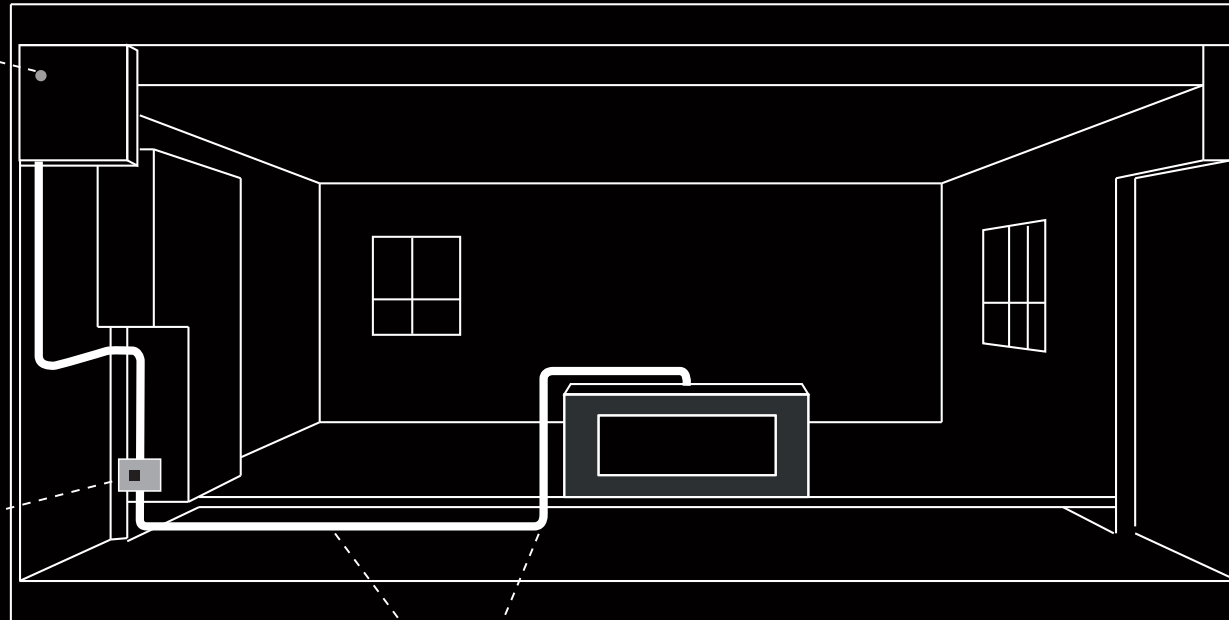
**Concentric Pipe**

End-Line Termination

Option B:



Inline fan box



80\*120 cm  
Pipes



# TECHNOLOGY AND OPTIONAL FEATURES

Fireplaces can be delivered with a choice of media: Log Set, Branch Set, Ceramic stones and glass in a variety of color options. Other media approved for use in these appliances can be substituted after market. Please visit our website to view our range of state-of-the-art media and logs.

## **OPERATION CONTROL OPTIONS**

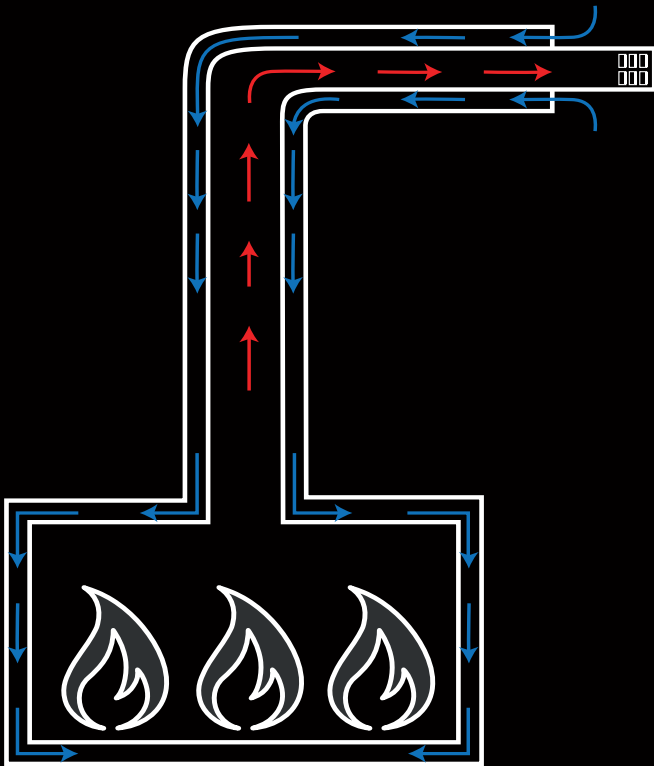
Ortal fireplaces include a remote control device that operates the pilot ignition, timer and thermostat as well as other optional features. Wall control units are also available, which can also be integrated into a smart house system.

## **DIRECT VENT**

All Ortal fireplaces operate with a direct vent, balanced flue venting system. A direct vent gas fireplace is room-sealed using a glass front. The flue uses natural ventilation to pull air in from and release exhaust gases to the outside.

## **BLOWER**

For a more consistent heat distribution, blowers can be fitted to all fireplaces.





## HEAT BARRIER SOLUTIONS

### 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 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

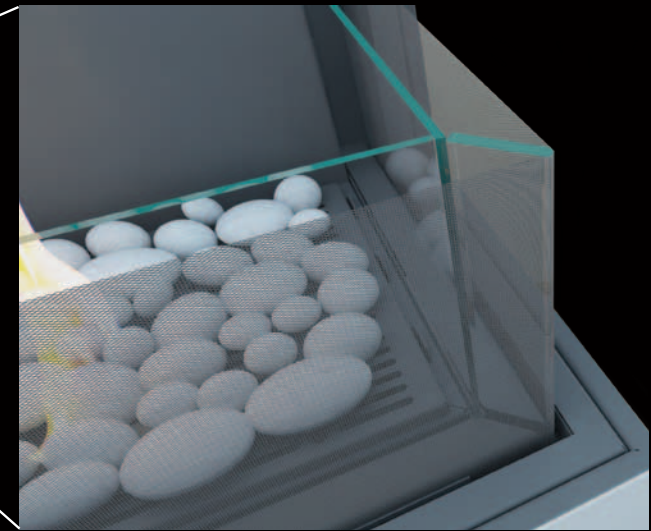
So clear, you won't notice the extra layer of glass, giving you total transparency.

#### COMPLETE COMPLIANCE

Maintains the latest regulatory standard of less than 172° F.

#### CONVENIENT

Easy to operate and near silent operation.



## 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 of 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. Multi-sided models use the same type of mesh screen, but with a unique method of glass-to-glass application that is patent pending. The screen is almost invisible to the eye, with its edges hidden within the fireplace 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.



# FRONT FACING

Our front-facing fireplaces can be beautifully integrated into walls and architectural elements.

Clear 40H70  
Washington











Clear 200  
Israel

Modern frameless gas fireplaces  
with Ortal's leading innovative technology







Clean lines and seamless designs available  
in over 60 models

Clear 170  
New York







## COOL WALL TECHNOLOGY

Proprietary to Ortal, our unique fireplace framing is designed to allow the free flow of cool air between your fireplace and the walls surrounding it, giving you the freedom to hang art, TVs or anything directly above your Ortal fireplace without worry.



Creative Interiors



Natural Gas  
or Propane



Frameless Design



Power Vent System



Efficiency



Large Customized  
Fireplaces



Heat Barrier



Convection  
System



Architect & Designer Favorites

Clear 170  
Northern California



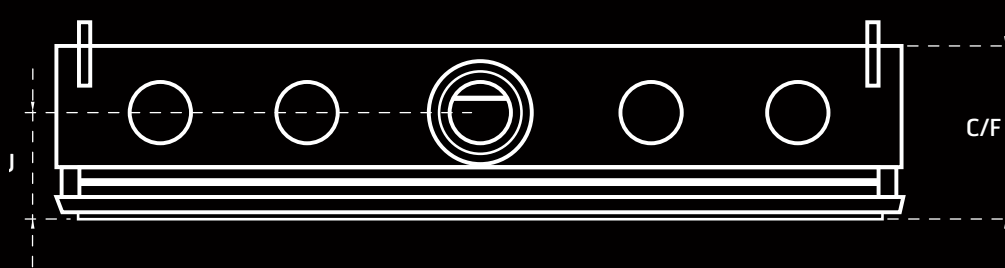
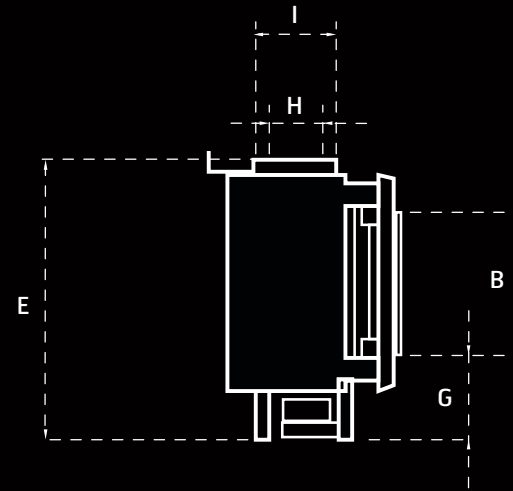
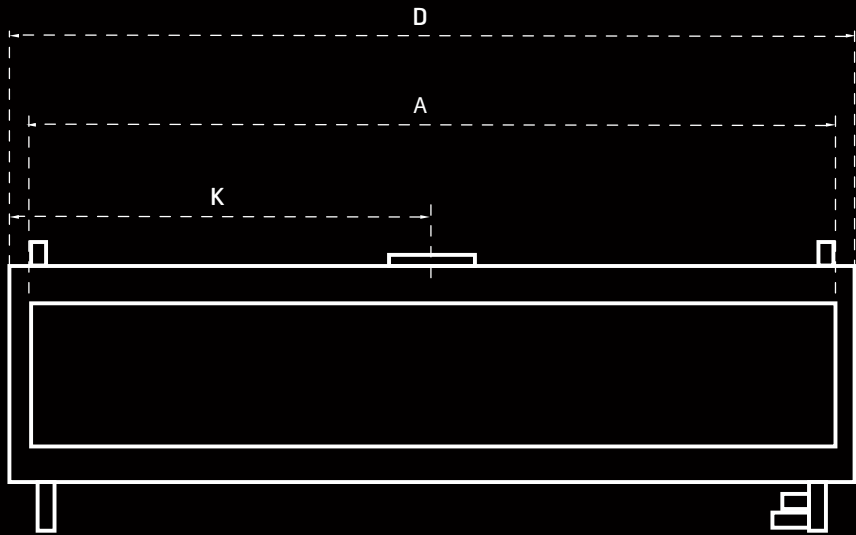
# FRONT FACING

Model	A	B	C	D	E	F	G*	G**	H	I	J	K
Clear 40H70	16.9	27.6	16.7	20.6	40.4	16.7	8.3	9.8	4.2	6.5	10.7	10.3
Clear 60X80	21.7	29.1	16.5	25.3	41.4	16.5	8.3	9.8	4.2	6.5	10.8	12.7
Clear 75x65	30.6	25.6	16.5	34.3	37.9	16.5	8.3	9.8	4.1	6.5	10.8	17.2
Clear 75	29.4	17.3	16.5	33.7	29.6	16.5	8.3	9.8	4.2	6.5	10	16.9
Clear 110	43.6	13.8	16.5	47.9	26.8	16.5	8.3	9.8	5.2	7.8	10	23.9
Clear 110H	43.6	21.7	16.5	47.9	34.6	16.5	8.3	9.8	5.2	7.8	10	23.9
Clear 130	50.3	13.8	16.5	54.6	26.8	16.5	8.3	9.8	5.2	7.8	10	27.3
Clear 150	60.2	13.8	16.5	64.4	26.8	16.5	8.3	9.8	5.2	7.8	10	32.2
Clear 150 H	60.2	21.7	16.5	64.4	34.6	16.5	8.3	9.8	5.2	7.8	10	32.2
Clear 170	68	13.8	16.5	72.3	26.8	16.5	8.3	9.8	5.2	7.8	10	36.1
Clear 200	77.5	13.8	16.5	81.7	26.8	16.5	8.3	9.8	5.2	7.8	10	40.9
Clear 200 H	77.5	21.7	16.5	81.7	34.6	16.5	8.3	9.8	5.2	7.8	10	40.9
Clear 250	Please visit our website for technical drawings											

\* Screen models

\*\* Double Glass models

\*\*\*All dimensions in the table are in inches



# CORNER

Wide or narrow, cozy or imposing, corner fireplaces are an ideal and flexible architectural solution.



Clear 150RS Double Glass  
Utah











Clear 200 RS  
Israel





Our unique design allows for an endless variety of finish surfaces.

Clear 200 RS  
Israel













## HEAT BARRIER

For increased safety, Ortal fireplaces are available with your choice of two protective barrier solutions: Screen or Double Glass (fan assisted). Both solutions adhere to the new barrier mandate in which the barrier temperature will be no more than 172 (°F).



Creative Interiors



Natural Gas  
or Propane



Frameless Design



Power Vent System



Efficiency



Large Customized  
Fireplaces



Cool Wall  
Technology



Convection  
System







Clear 110 RS & Clear 110 LS Double Glass  
Northern California

Clear 150 LS  
Israel









Clear 200 RS Screen  
Washington

Rediscover fire



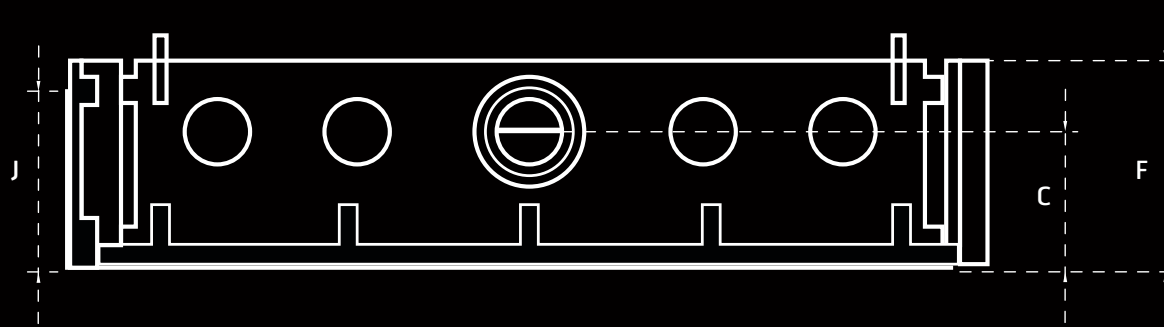
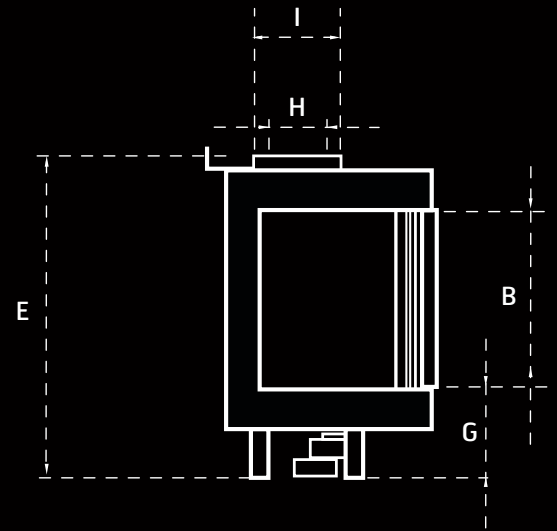
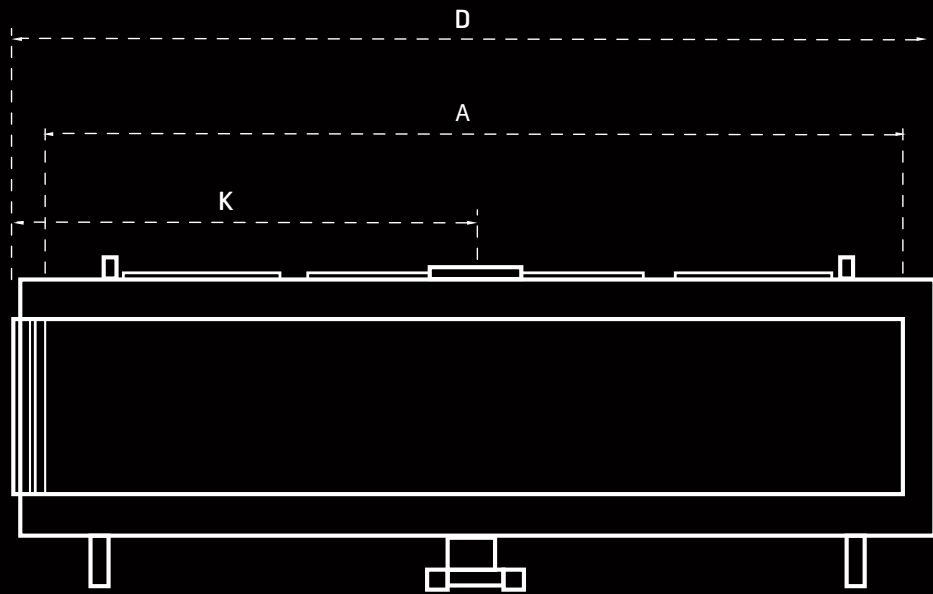
# CORNER RS/LS

Model	A	B	C	D	E	F	G*	G**	H	I	J	K
Clear 40H70 RS/LS	19.6	27.6	13.6	22.7	40.5	16.8	8.3	9.8	4.2	6.5	10.6	11.7
Clear 75 RS/LS	30.9	18.9	16.2	33.7	30.1	18.6	8.3	9.8	4.2	6.5	12.2	17.3
Clear 110 RS/LS	46.3	15.7	16.3	49.2	28.8	19	8.3	9.8	5.2	7.8	12.7	25
Clear 130 RS/LS	53	15.7	16.3	55.9	28.8	19	8.3	9.8	5.2	7.8	12.7	28.3
Clear 150 RS/LS	62.8	15.7	16.3	65.7	28.8	19	8.3	9.8	5.2	7.8	12.7	33.2
Clear 170 RS/LS	70.7	15.7	16.3	73.6	28.8	19	8.3	9.8	5.2	7.8	12.7	37.2
Clear 200 RS/LS	80.2	15.7	16.3	83.1	28.8	19	8.3	9.8	5.2	7.8	12.7	41.9
Clear 250 RS/LS	Please visit our website for technical drawings											

\* Screen models

\*\* Double Glass models

\*\*\*All dimensions in the table are in inches






# THREE SIDE

Big or small, our built-in, three-sided fireplaces are architecturally stunning elements that can be enjoyed from different angles and spaces.

Clear 170TS  
Los Angeles











Clear 170 TS  
Washington

Enhancing the ambience from three side.



Clear 170 TS  
Los Angeles











Creative Interiors



Heat Barrier



Frameless design



Power Vent System



Efficiency



Large Customized Fireplaces



Cool Wall Technology



Convection System



Natural Gas or Propane

Clear 150 TS, Double Glass  
Utah

# THREE SIDE

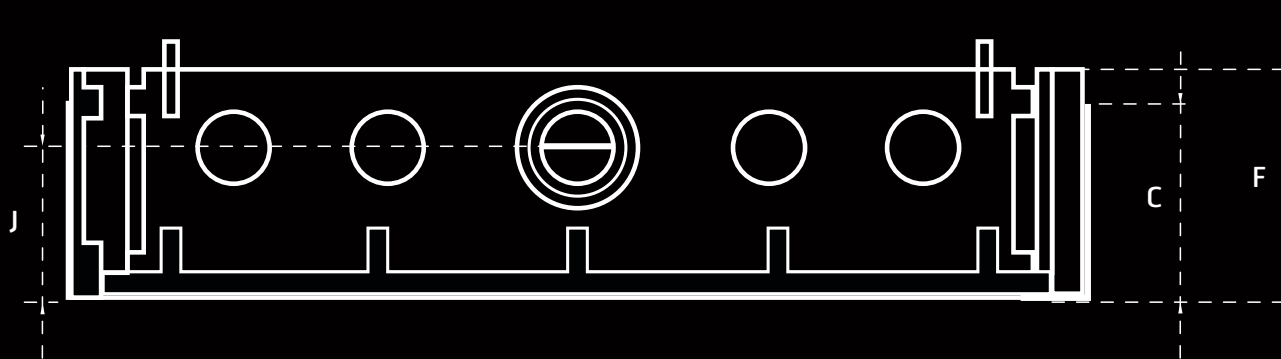
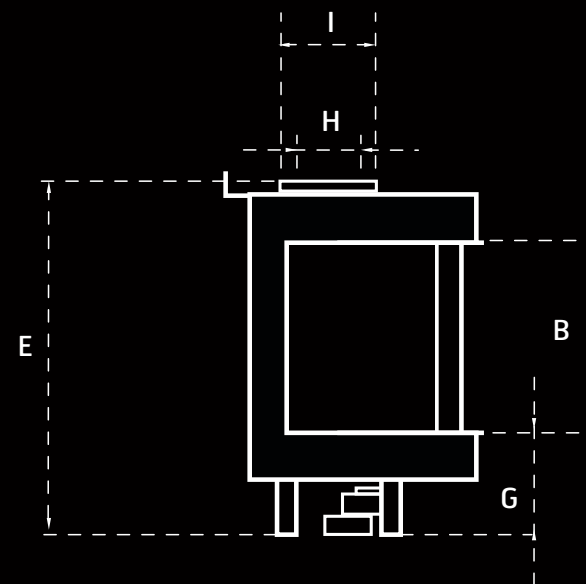
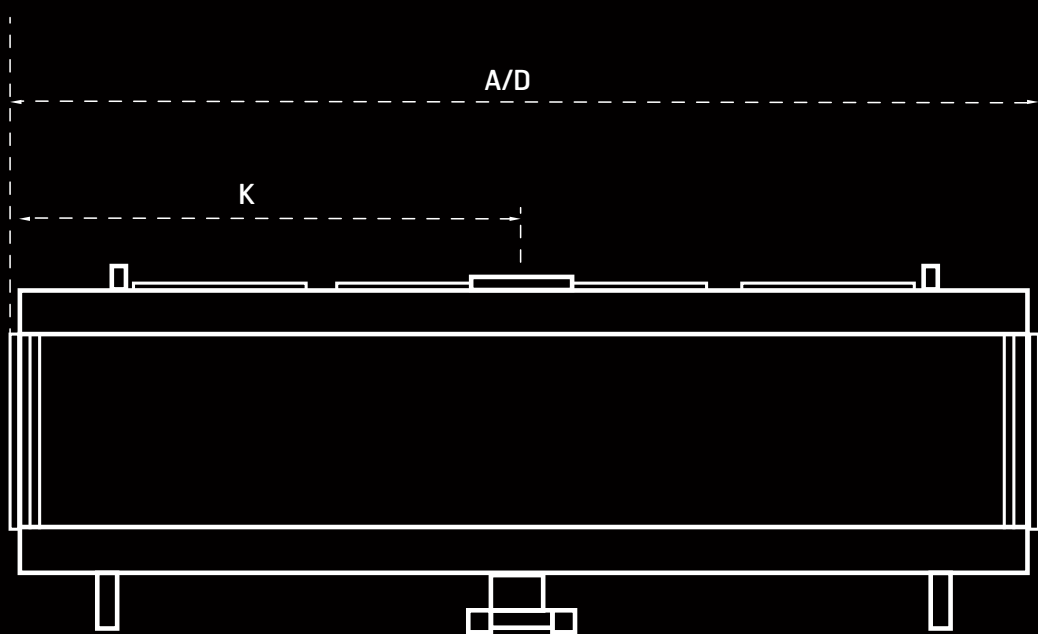



Model	A	B	C	D	E	F	G*	G**	H	I	J	K
Clear 40H70 TS	23.3	27.6	13.6	23.3	40.5	16.8	8.3	9.8	4.2	6.5	10.6	11.7
Clear 75 TS	34.6	18.9	16.2	34.6	31.2	18.6	8.3	9.8	4.2	6.5	12.2	17.3
Clear 110 TS	49.9	15.7	16.3	49.9	28.8	19	8.3	9.8	5.2	7.8	12.7	25
Clear 130 TS	56.6	15.7	16.3	56.6	28.8	19	8.3	9.8	5.2	7.8	12.7	28.3
Clear 150 TS	66.5	15.7	16.3	66.5	28.8	19	8.3	9.8	5.2	7.8	12.7	33.2
Clear 170 TS	74.3	15.7	16.3	74.3	28.8	19	8.3	9.8	5.2	7.8	12.7	37.2
Clear 200 TS	83.8	15.7	16.3	83.8	28.8	19	8.3	9.8	5.2	7.8	12.7	41.9
Clear250 TS	Please visit our website for technical drawings											

\* Screen models

\*\* Double Glass models

\*\*\*All dimensions in the table are in inches






# SPACE CREATOR

Ortal's Space Creator is a unique way to separate living spaces, yet combine them visually.

Space Creator 200  
Utah















Space Creator 150H, Double Glass  
New York

Giving you design freedom  
and flexibility.



Space Creator 150  
Northern California

Space Creator 120 Double Glass  
Utah











## POWER VENT SYSTEM

Ortal's fireplaces can be located in places that a typical Power Vent system does not permit using our modern exhaust fan technology. Our proprietary, modern power vent system gives you complete design freedom – even in apartments where installing fireplaces can be prohibitive.



Creative Interiors



Natural Gas or Propane



Frameless Design



Heat Barrier



Efficiency



Large Customized Fireplaces



Cool Wall Technology



Convection System

Ortal fireplaces provide flexibility that gives complete design freedom for your fireplace and the space surrounding it.



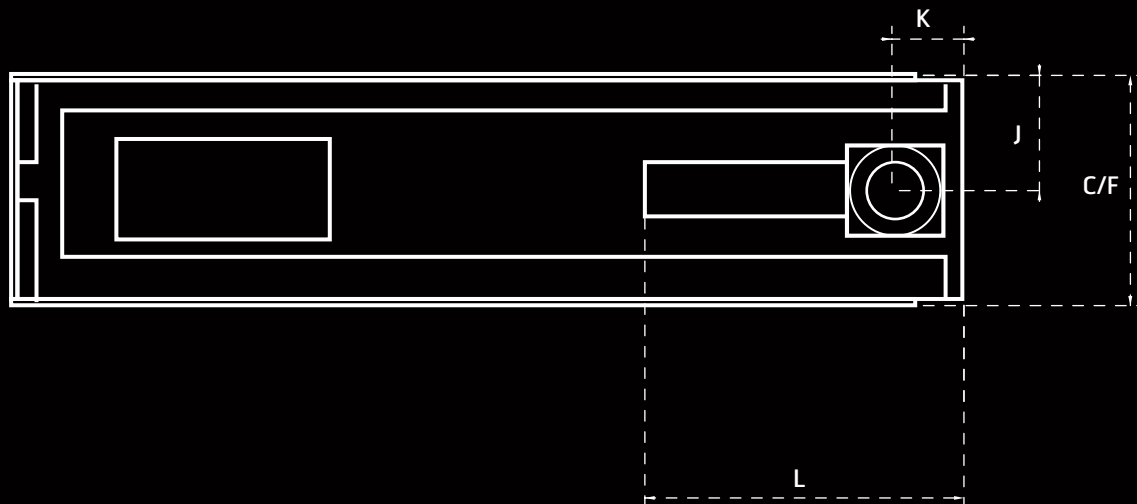
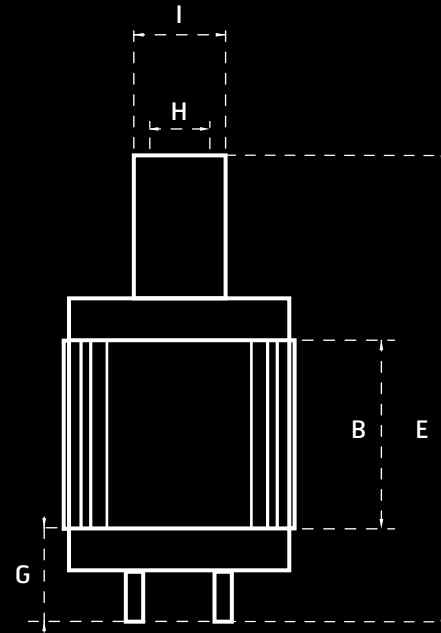
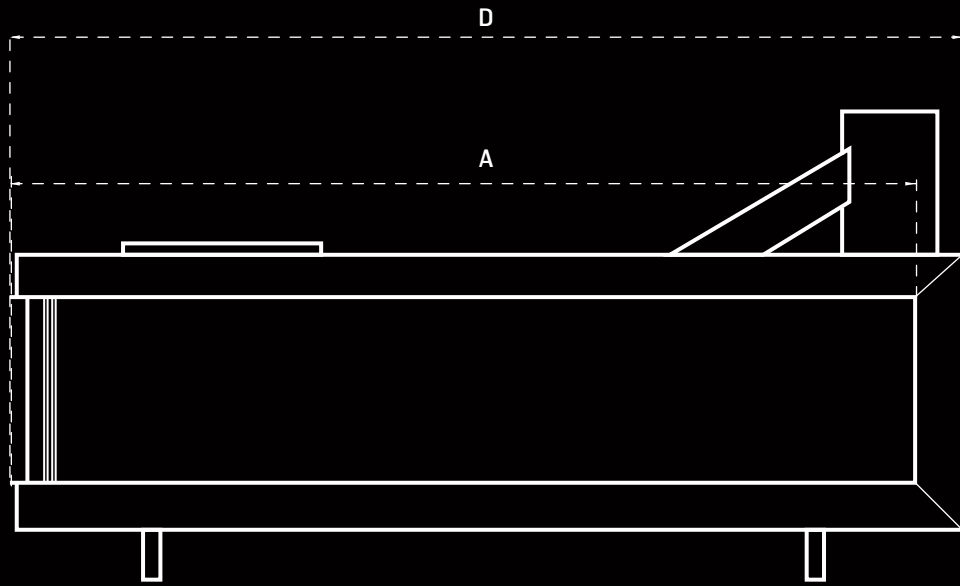


# SPACE CREATOR



Model	A	B	C	D	E	F	G*	G**	H	I	J	K	L
Space Creator 75	31.6	16.7	20.4	35.8	25.0	20.4	8.3	9.8	4.2	6.5	10.2	6.6	n/a
Space Creator 120	51.0	16.7	20.4	55.2	26.6	20.4	8.3	9.8	5.2	7.8	10.2	6.5	28.5
Space Creator 150	62.9	16.7	20.4	67.0	26.6	20.4	8.3	9.8	5.2	7.8	10.7	6.5	28.5
Space Creator 200	80.1	16.7	20.4	84.4	26.6	20.4	8.3	9.8	5.2	7.8	10.7	6.5	28.5

\* Screen models  
 \*\* Double Glass models  
 \*\*\*All dimensions in the table are in inches



# TUNNEL

Tunnel fireplaces are visible from both sides while encased in walls or columns. They can be used to divide a living space or to enjoy the warmth and beauty of the flames in two separate rooms. This style can also be used as an indoor/outdoor fireplace.

Clear 130 Tunnel  
Northern California











Custom 21 ft  
Indoor/Outdoor Tunnel, Israel











Clear 150 Tunnel  
Northern California



Clear 110 Tunnel  
Maryland







Clear 130 Tunnel  
New Mexico

A view that's captivating from any angle.

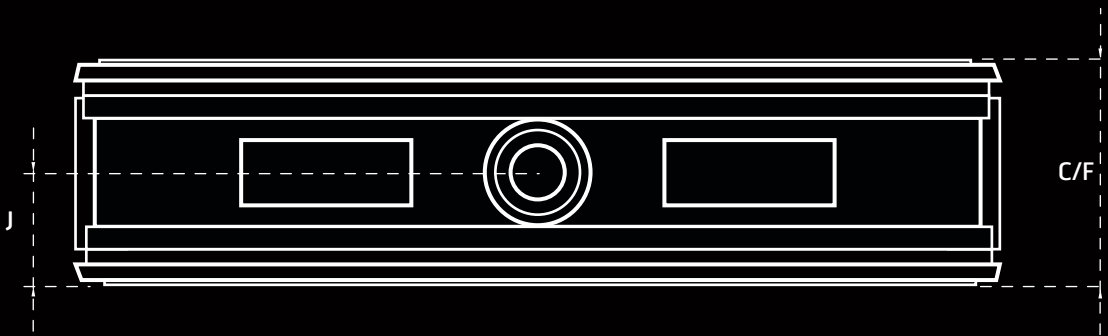
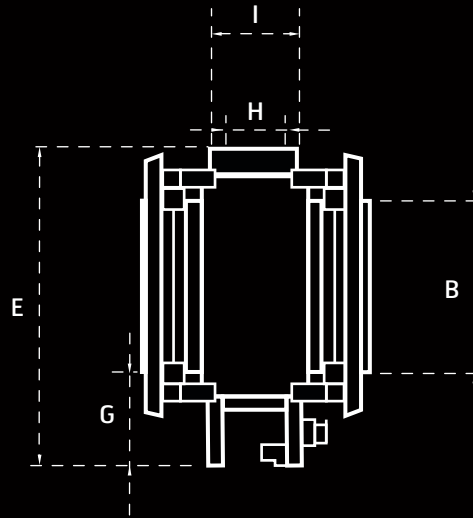
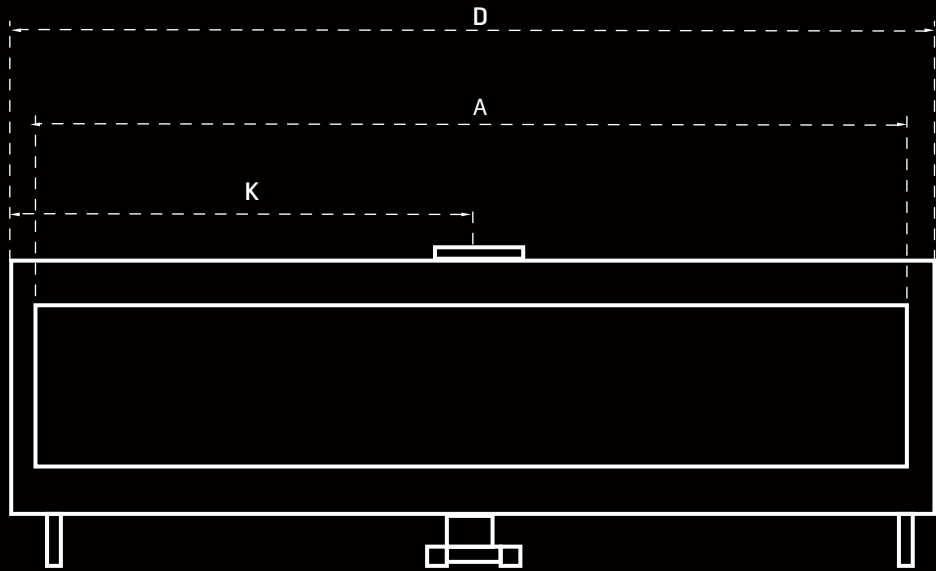
# TUNNEL

Model	A	B	C	D	E	F	G*	G**	H	I	J	K
Clear 40H70 Tunnel	16.9	27.6	20.1	20.6	39.8	20.1	8.3	9.8	4.2	6.5	10	10.3
Clear 60X80 Tunnel	21.7	29.1	20.1	25.3	41.3	20.1	8.3	9.8	4.2	6.5	10	12.7
Clear 75X65 Tunnel	30.6	25.6	20.1	34.3	37.7	20.1	8.3	9.8	4.2	6.5	10	17.2
Clear 110 Tunnel	43.6	13.8	20.2	47.9	26.4	20.2	8.3	9.8	5.2	7.8	10.1	23.9
Clear 110 H Tunnel	43.6	21.7	20.2	47.9	34.3	20.2	8.3	9.8	5.2	7.8	10.1	23.9
Clear 130 Tunnel	50.3	13.8	20.2	54.6	26.3	20.2	8.3	9.8	5.2	7.8	10.1	27.3
Clear 150 Tunnel	60.2	13.8	20.2	64.4	26.4	20.2	8.3	9.8	5.2	7.8	10.1	32.2
Clear 150 H Tunnel	60.2	21.7	20.2	64.4	35	20.2	8.3	9.8	5.2	7.8	10.1	32.2
Clear 170 Tunnel	68	13.8	20.2	72.3	26.3	20.2	8.3	9.8	5.2	7.8	10.1	36.1
Clear 200 Tunnel	77.5	13.8	20.2	81.7	26.4	20.2	8.3	9.8	5.2	7.8	10.1	40.9
Clear 200 H Tunnel	77.5	21.7	20.2	81.7	34.2	20.2	8.3	9.8	5.2	7.8	10.1	40.9
Clear250 Tunnel	Please visit our website for technical drawings											

\* Screen models

\*\* Double Glass models

\*\*\*All dimensions in the table are in inches





# STAND ALONE

Sometimes the best placement for a fireplace is as an individual artistic element within a living space. Ortal has an impressive variety of Stand Alone fireplaces which are ideal for remodels as they add minimum disruption.

Stand Alone 110 Front













Island 130  
with Decorative Hood



Stand Alone 150 Front  
Israel



Stand Alone 75  
Israel









Stand Alone 75x65 Curve Tunnel  
Decorative Bordelet Hood

Classic Modern

Color Options:











Stand Alone 75x65 Curve Tunnel  
with custom lacquer Decorative Bordelet Hood

Stand Alone 75x65 Curve  
with Decorative Bordelet Hood

\*Color and size options are available for  
the hood. Please contact Ortal for more  
information.



# TRADITIONAL

Timeless design, combined with state-of-the-art features and functionality.

Minimal 130



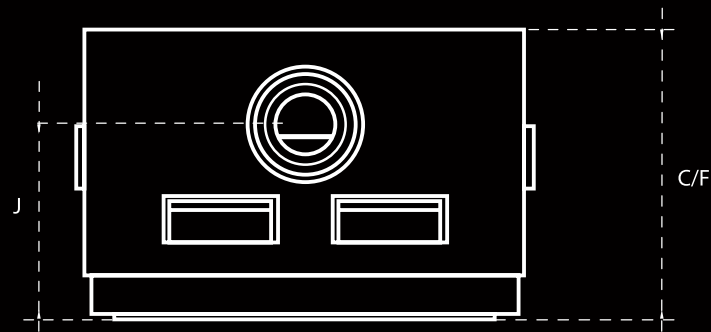
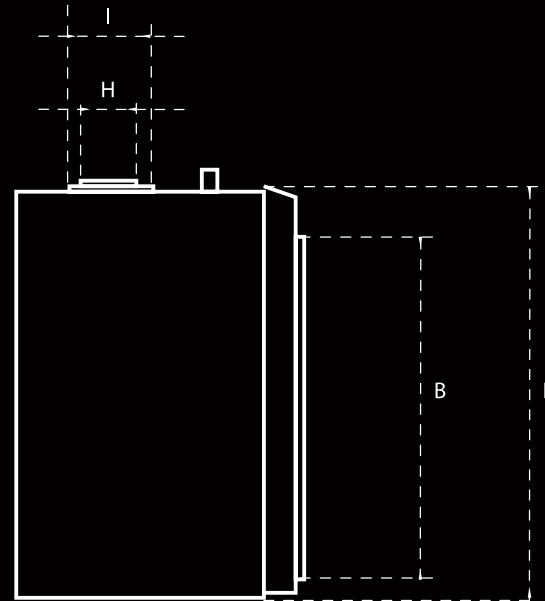
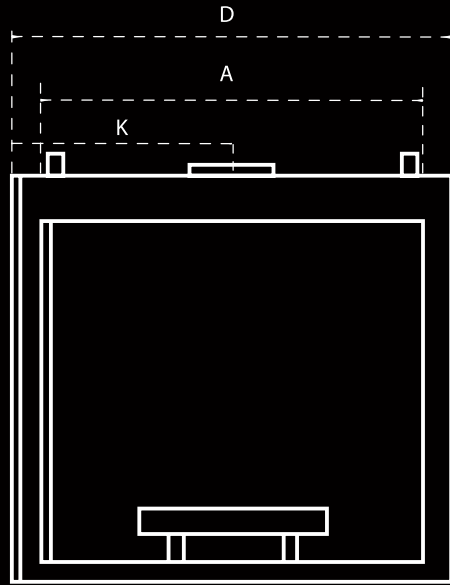








# TRADITIONAL BRICKS OPTIONS



Model	A	B	C	D	E	F	H	I	J	K
Minimal 110	35.4	31.7	26.9	40.8	38	26.9	5.2	7.8	18.1	20.4
Minimal 130	42.7	34.2	26.9	48.3	40.8	26.9	5.2	7.8	18.0	24.2

\*Screen Models

\*\*All dimensions in the table are in inches.



# OVER 70 MODELS

In addition to our expansive standard line, Ortal can be customized to fit your design requirements. Contact our office for start to finish project support.

FRONT FACING



Clear 40H70

Clear 60X80

Clear 75X65

Clear 75



Clear 110

Clear 110H

Clear 130

Clear 150



Clear 150H

Clear 170

Clear 200

Clear 200H



Clear 250

Clear 250H

Clear 300

CORNER



Clear 40H70 RS / LS

Clear 75RS / LS

Clear 110 RS / LS

Clear 130 RS / LS



Clear 150 RS / LS

Clear 170 RS / LS

Clear 200 RS / LS

Clear 250 RS / LS

THREE SIDE



Clear 40H70 TS

Clear 75 TS

Clear 130 TS

Clear 110 TS



Clear 150 TS

Clear 170 TS

Clear 200 TS

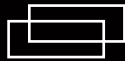
Clear 250 TS



Clear 350 TS



TUNNEL



Tunnel 40H70      Tunnel 60X80      Tunnel 75X65      Tunnel 110



Tunnel 110H      Tunnel 130      Tunnel 150      Tunnel 150H



Tunnel 170      Tunnel 200      Tunnel 200H      Tunnel 250

SPACE CREATOR



Space Creator 75      Space Creator 120      Space Creator 150      Space Creator 200



Space Creator 300

STAND ALONE



Stand Alone 75      Stand Alone 110      Stand Alone 150      Island 130



Island 130      Stand Alone 75x65 Curve Tunnel      Stand Alone 75x65 Curve Tunnel with Decorative Bordelet Hood      Stand Alone 75x65 Curve Tunnel with Flat Hood

TRADITIONAL



Minimal 110      Minimal 130

\*Please visit our website for technical drawings.

All models larger than our Series 250 are modular and come standard with double glass. Please contact our main office as specifications may vary.

# CREDITS

## **Architects**

- Bardwell Case ZinShu Architects
- Monsef Architecture Design
- Farro Essalat Architects
- Alan Tse
- Tasos Kokoris
- Steve Stanton Architects
- Elevate Design & Build  
(Architect/Designer and Builder)
- Alroy Hazak
- Dana kushmirski
- David Rahamim
- Feigin
- Harel-Shira & Hadas
- Ido Hiltshimer
- Irma Ornshtein
- Jacobs-Yaniv

- Karin & Miki Horowitz
- Lev Gargir
- Liat Felz
- Nurit Kacherginski
- Oded Lavy
- Oshri Aviram
- Peri Davidovich
- Pitsou Kedem
- Rachel Sheinfeld
- Shirly Dan
- Hoopes + Associates Architects
- Tsiantonakis Associates

## **Builders**

- Darryl Seif
- PKM Builders, Inc.

- Camp Curry Construction
- Legacy Homes
- Prull Custom Builders
- New American Home 2013 by Blue Heron

## **Interior Designer**

Kriste Michelini

## **Photography**

- Alan Chapelski
- Uzi Porat
- Oded Smadar

## **3D Modeling**

- ID Studio
- Studio Bonsai

## **Design**

Adlai & Partners  
Conceptica



**ORTAL**<sup>®</sup>  
YOUR LIFE. YOUR FIRE.

**Ortal | Headquarters**

Tel: +972-9-7402828 | Fax: +972-9-7402687 | [info@ortal-heat.co.il](mailto:info@ortal-heat.co.il)  
P.O. Box 7213, 14 Harash St. Neve Ne'eman, Hod Hasharon, 45240, Israel

**Ortal | USA**

Tel: 1 (818) 238-7000 | Fax: 1 (818) 678-0541 | [info@ortalheat.com](mailto:info@ortalheat.com)  
8421 Canoga Ave, Canoga Park, CA 91304, USA

[www.ortalheat.com](http://www.ortalheat.com)