

# thermotrench

SYSTEM CONVECTOR HEATING



**Screen off cold** influence with a barrier of warm air to prevent drafts and **reduce heat loss.**

### How it works:

- 1** Cold air is pulled in and heated by the warm water or electric heating element.
- 2** The heated air is released into the room and creates a curtain that blocks off cold air and drafts caused by glazed areas.



### Cold Air Shield

System Convectors screen off the cold air flowing from the window surface (cold wall effect) firstly by creating first a warm barrier in front of the window surface and secondly by inducing a stream of warm air which rises into the room. This eliminates the uncomfortable cold-air-induced draft and additionally prevents the window from steaming up.

#### Thermotrench

STOCK NO	DESCRIPTION	WIDTH (MM)	EX VAT (£)
3600	Thermotrench ESK Electric	180	POA
3601	Thermotrench WSK Warm Water	180	POA
3602	Thermotrench WSK Warm Water	260	POA
3603	Roll-up Grille DR15 Stainless Steel	180	POA
3604	Roll-up Grille DR15 Stainless Steel	260	POA
3605	Z-Frame Housing for DR15		POA

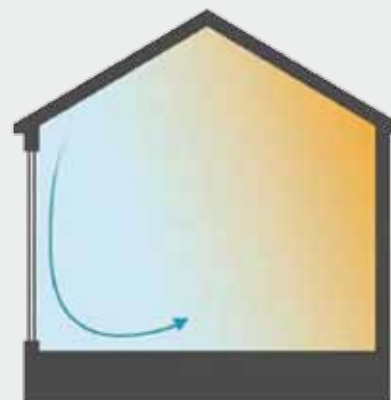


## Thermotrench - Warm Water System Convector

MODEL	HEIGHT (MM)	OUTPUT (W)	WIDTH (MM)	LENGTH (MM)
3601 - WSK	90	146 - 926	180	1000 - 5000
		215 - 1359	260	(250mm increments)
		282 - 1786	320	
		364 - 2304	410	

DESCRIPTION & FUNCTION	CONTROL TECHNOLOGY	APPLICATIONS
Cold Air Barrier	Alpha Thermostat 230V/24V	Living Areas
Non-fogging Windows	Alpha Thermostat 0-10V	Conservatories
Secondary Heat Source	Alpha Actuator 4 230V/24V/0-10V	Restaurants
Primary Heat Source	Electrical Box & Wiring	Shops
Install In Paved Areas		Showrooms
Optimum Heating Performance		Offices

## Problem: Cold influence from glass



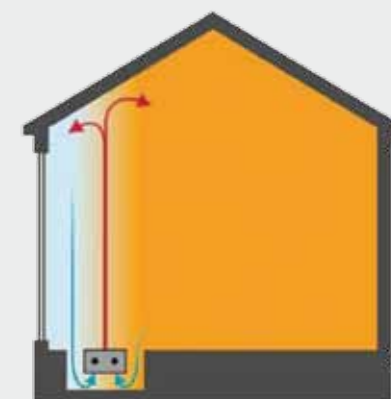
Air cools on contact with the window surface, slides down to the floor, and is distributed evenly in the room. This distribution of cold air induces a draft at floor level, leading to discomfort and heat loss.

## Thermotrench - Electric System Convector

MODEL	HEIGHT (MM)	OUTPUT (W)	WIDTH (MM)	LENGTH (MM)
3600 - ESK	140	210 - 1400	180	750 - 5000
				(250mm increments)
				1500 - 4000
				(500mm increments)

DESCRIPTION & FUNCTION	CONTROL TECHNOLOGY	APPLICATIONS
Cold Air Barrier	Alpha Thermostat 230V/24V	Living Areas
Non-fogging Windows	Alpha Power Module ALM 22	Conservatories
Secondary Heat Source		Restaurants
Primary Heat Source		Shops
Install In Paved Areas		Showrooms
Optimum Heating Performance		Offices

## Solution: Warm air blocks cold



The cold air sliding to the floor from the window reaches the convector, and is warmed. A barrier of warm air rises in front of the window surface, and the stream of warm air rising in the room creates a natural convection action.

Available in a wide range of finishes in any RAL colour - Surcharge applies.

