

Product Specification: Thermachill

Product application: Chill and food processing high traffic applications

Key features:

Opening speed: Up to 2.0 m.s⁻¹

Closing speed: Up to 2.0 m.s⁻¹

Leaf format: Single curtain vertical rapid roll

Support frame: Heavy duty galvanised steel fabricated legs

Standard finish: Polyester powder coat from standard colour range

Stainless steel option available

Canopy: The door is fitted with a full width roller canopy finished to match the support frame

Drive Legs: The door is fitted with full height drive legs in a finish to match the canopy.
All drive components concealed but also readily accessible through access points

Technical Data:

Curtain specification: 1300gsm PVC coated woven polyester with a PVC 3.5mm thick insulating foam on one side of the fabric

Temperature resistance: DIN 53361 -10degC to +70degC

Low flammability: CERF Category 2

Standard colour: RAL 7044 – Silk Grey. Other colours are available

Curtain features: CFC free, UV resistant

Integrated wind bars to ensure curtain integrity

U Value: 4W.m⁻².K

Controls:

Controller type: Microprocessor based frequency converter with low voltage controls

Supply: 230V, 1ph, 50Hz, 16A (Class C MCB)

Local controls: 3-way pushbutton station (OPEN ~ STOP ~ CLOSE)

Closing: Automatically via inbuilt adjustable timer

Extendibility: Prepared to accept a multitude of inputs from induction loop detectors, motion detectors, pull cords, pushbuttons etc.



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Cabinet:	GRP IP55, integrated within drive side leg
Motor power:	High efficiency 1.5kW drive unit
Motor gearbox:	Specifically designed for use on high speed doors with an integrated safety gear and anti-fall device
Gearbox features:	Robust low maintenance drive unit with integrated absolute encoder for accurate positioning Self-adjusting motor brake with universal mounting either right hand or left hand of the door
Manual operation:	Hand crank applied to the rear of the motor to wind the door fabric
Optical safety:	2.5m high self monitoring sequential light guards positioned to monitor directly below the curtain as the door is closing
Safety edge:	Soft padded bottom beam across the full width of the doorway
Fault mode operation:	The door control automatically switches to 'dead-man' operation if a safety device fails
Standards:	The door complies with the requirements of EN 13241-1
Bottom beam:	Should the bottom beam be struck by a vehicle and displaced from the side guides the displaced curtain and beam is automatically fed back into the guides on the next opening cycle

