

# Ulti Spiral Cold

## HIGH THERMAL PERFORMANCE INSULATED VERTICAL LIFT DOOR



A high thermal performance, fast, insulated spiral door, maximising security, while maintaining the efficiencies of a short cycle time. This door is ideal in freezer applications with the assurance of long term reliability.

### Energy Saving

The Ulti Spiral Cold has excellent high-performance thermal insulation, and acoustic properties, by using foam-filled dual-wall slats. This allows you to maximise your energy savings through the doorways at your cold storage facility.

### Speed Where It Matters

With opening and closing speeds of up to 2m/sec, this is one of the fastest insulated spiral doors available, reducing cycle times, and maximising energy savings, and productivity at your facility. The

### Ideal for use in

- Food grade Warehousing
- Cold Storage
- Logistics
- Freezers

quick operation of the door ensures the security integrity of the facility at all times. The closed door is intruder proof but also allows quick access to or from the protected area.

### Low Maintenance

The unique counterweighted drive system on the Ulti Spiral Cold, has no springs, and less moving parts, with a patented wheel-less, spiral track system. This means fewer maintenance headaches and more reliability, with an exceptional life span, giving you complete peace of mind, and maintenance savings. The slats of the Ulti Spiral Cold are guided in a spiral CNC routed groove for chiller applications while freezer applications track vertically, for fast opening speeds, low maintenance, and precise door travel. Non-contact spiral technology means there is no wear on the door sections, ensuring a great long-lasting appearance, and eliminating the transfer of dirt and grime from one panel to another.

### Safety Where it Matters

A Tower Beam Safety Sensor integrated into the spiral doors' frame, monitors the closing zone of up to 2.5m high and reverses the door if any of the light beams are interrupted, meaning the door cannot close on any personnel, vehicle or object that might be in the door's path of travel.



## STANDARD COMPLIANCE

Wind Loading	Class 3		
Water Permeability	Class 3	Wind Permeability	Class 3
Thermal Transmittance	1.0 Wm²K	Safe Openings	Yes
Acoustic Performance	25dB	Pressure Differential	Up to 70Pa

## TECHNICAL SPECIFICATIONS

Application	Internal Only
Standard Size	2500mm H x 2000mm W
Minimum Size	1500mm H x 1500mm W
Maximum Size	3000mm H x 3000mm W
Opening Speed	Up to 2m/s
Closing Speed	0.5 m/s
Operating Temperature	-25°C to +10°C

## STRUCTURE

Frame Material	Galvanised Steel
Frame Colour	Galvanised

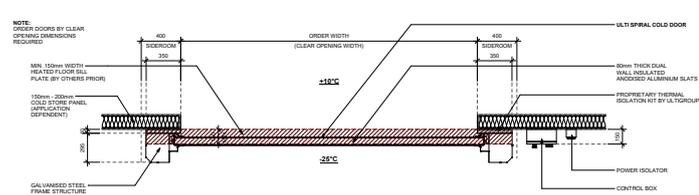
## SLAT / CURTAIN

Standard Material	80mm Dual Wall Anodised Aluminium Insulated Slats (OX 15um)
Standard Colour	Anodised

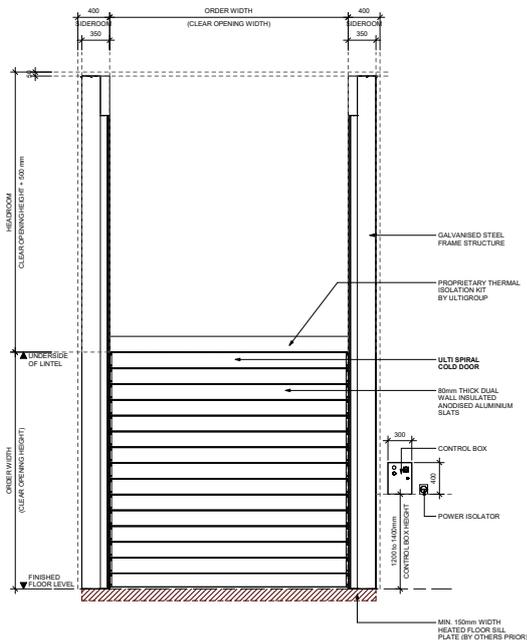
## MOTORISATION

Motor	IP54 rated 1.5kW Heavy Duty 3phase Motor Drive and electromagnetic brake
Motor Position	RH Side
Control Panel	IP54 rated Metal Control box with inverter frequency controller – RH mounted
Power Supply	400V; 3phase+N+E; 15Amp Rated adjacent to control box installed to right hand side
Heating Power Supply	230V; Single Phase; 20Amp

## DIMENSIONS



TOP ELEVATION VIEW



FRONT ELEVATION VIEW

## SPACE REQUIREMENTS

### minimum clearances

Headroom	Clear opening height + 500mm
Sideroom	400mm (motor and non-motor side)

## ACTIVATIONS

Manual	Push button and Emergency stop button fitted to control box Manual Push button
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## STANDARD SAFETY INCLUSIONS

LED Countdown Timer in Control box	2000mm high Tower Beam Safety Sensors IP67 when door height >2500mm
Emergency Egress	Manual Hand Crank

## STANDARD INCLUSIONS

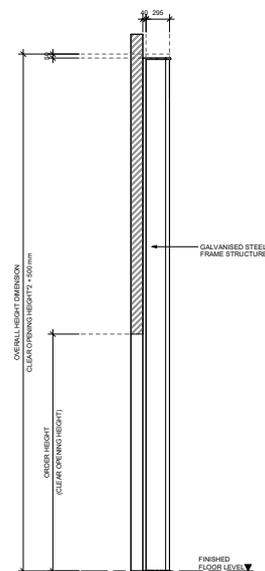
Variable speed control	Patented Vertical Lift Unit
Patented sliding system with high density polyethylene, self-lubricating guides	Perimeter seal system
Absolute Encoder control	Performance rated to 1,000,000 cycles with Ulti Planned Maintenance every 3 months

## WARRANTY

12 Months or 100,000 Cycles	*Std Warranty terms and conditions apply
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## OPTIONAL FEATURES

Activations	All Ulti Activation options can be applied
Safety	Virtual Vision, Extended LED Countdown Timer
Frame Material	Corrosion Resistant AISI:304 Stainless Steel
Frame Colours	RAL1013, RAL3000, RAL5010, RAL7016, RAL7035, RAL9002, RAL9006, RAL9010, RAL9016, RAL Colour of your choice
Slat/Curtain Colours	RAL1013, RAL3000, RAL5010, RAL7016, RAL7035, RAL9002, RAL9006, RAL9010, RAL9016, Aluminium, Stainless Steel, Custom RAL Colour
Optional Curtain Design	Colour finish steel (see optional slat/curtain colours) Stainless Steel AISI 304 Stainless Steel AISI316
Emergency Egress	Manual Hand Chain
Mounting Options	LH Power Supply, Custom Control Box Position, LH Control Box, LH Motor
Motorisation	IP65 Rated 1.5kw Motor with Stainless Brake (for corrosive applications)
Control Panel	IP54 Corrosion Resistant AISI:304 Stainless Steel
Power Supply	Single Phase 230V for doors <9m²



SIDE ELEVATION VIEW