

# Mavicold<sup>®</sup>

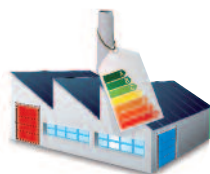
*high-speed fold-up door for inside freeze application*



■ *Mavicold is the strong, energy efficient High-Speed Door for cold stores -1°C to -30°C or Chiller Room.*

■ *Features and benefits :*

- *Mavicold unique insulated curtain technology*
- *Internal heating system prevents frost and ice build-up*
- *Revolutionary soft bottom edge*
- *Takes safety and durability to another dimension*



**Get Energy saving with Maviflex door**

■ *Flexible Guide*

# Mavicold®

## Specifications

### Frame characteristics

- Self supporting mill galvanized steel frame with polyester powder coated finish for maximum anticorrosion protection
- Thermal break frame construction eliminates frost
- Standard colour Grey RAL 7016, other RAL colours available on request
- Strip heaters mounted on the frame minimize frost and ice build-up
- Flexible guide
- Options Frame in stainless steel AISI 304L or 316L ensures food safe applications.

### Insulated curtain

- Energy efficient curtain construction : heat and humidity are reflected away and separated from cold by innovative fabric with high thermal efficiency :  $U = 2 \text{ W/m}^2/\text{°C}$
- Multi-reflective thermal insulation = heat from outside is reflected back outside = cold generated within the cold room is reflected back inside
- Thin curtain with high insulation
- Reduced sound transmission and resonance
- Greater durability in high impact area
- Curtain built in draft resistance (ensure complete closure) is equipped with peripheric seals and fiberglass - (GRP) -horizontal strengtheners
- Curtain folding method minimizes frost and ice buildup
- Mavicold is equipped with seamless safety straps (3900 daN per strap) for added safety.

### Multi safety devices

- Complies with EN 13241-1 safety standard
- Safety bottom edge technology
- "Safety Strap System"
- Single safety stainless steel photocells mounted within the doorway reverses the curtain in event of obstruction
- 2 orange warning lights (each side of the door) flash when the door operates
- Fail safe circuits
- Operating and Maintenance instructions.

### Peripheric seals

- Airtight seals between the curtain, frame and top hood
- Airtight seals between the frame and opening structure.

### Clear dimensions

- Maximum clear opening 4000 x 4000 mm

### Draft/Pressure resistance

- Designed to withstand pressure differential across curtain (classe 2 - EN 12424).

### High-speed operation (average)

- Opening : 1m/s
- Closing : 0,5m/s (EN 12453).

### Opening devices

- Push button ceiling pull switch, induction floor loop, radio control, other controls on request.

### Technical

- Gear motor IP 55 Gear brake motor unit to conical torque.Brake disc and brake shield in stainless steel
- Two Speed 0.75 kW motor : permanent service rating S1
- Gear unit with low-temp oil (-30°C)
- Drum Protected by anti corrosion coated finish
- Control box CE marked and IP 55 to be located outside the cold room.

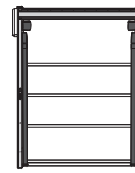
### Electrical installation

- Strip heaters are protected by 30mA.differential cut-out
- Voltage : 240 V or 400 V, 3 phase with earth and neutral. Circuit breaker or cut-out switch on line D type curve.

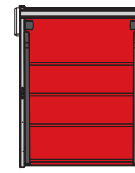
### Installation cold side mount

- Frame and curtain lifting straps to be facing the cold area.

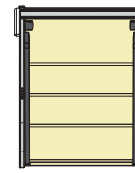
Match your corporate colours with 9 available frame and curtain colours



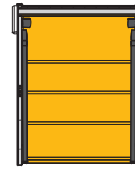
White RAL 9016



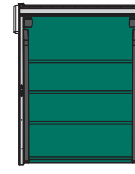
Red RAL 3002



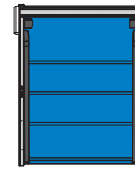
Ivory RAL 1015



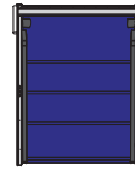
Dark Yellow RAL 1003



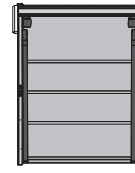
Dark green RAL 6026



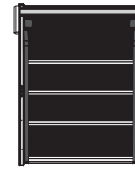
Blue RAL 5015



Blue RAL 5002



Light grey RAL 7038

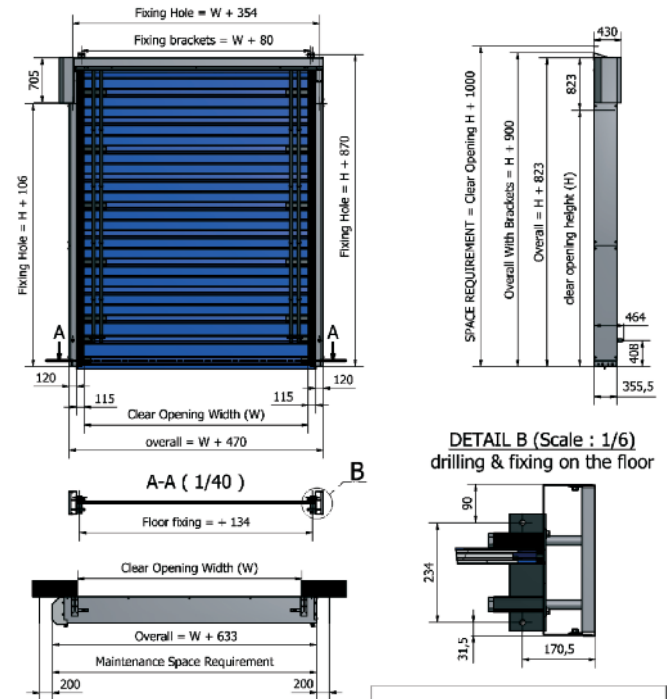


Black RAL 9005



\*Subject to providers stocks. Ral colours may vary

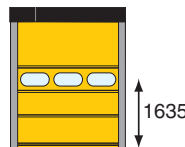
## Clearance and space requirements



## Dimensions Maximum

L 4000 mm x H 4000 mm.

## Visibility



One or more rows of oblong windows