Hospitals, clinics, care and nursing homes are all places built to look after people's health and well being, and are used by people with reduced mobility, such as orthopaedic and geriatric wards, or by people who may need to be moved around on wheelchairs or stretchers. Hospital doors used by the health industry is not an option, but an essential requirement. Coltech, the automatic entrance specialist, offers a wide range of automations for civil, industrial and commercial buildings without forgetting the special requirements of the health industry, the hospital doors.

<table>
<thead>
<tr>
<th>Controlled atmosphere environments (hospitals, clinics, rehabilitation units, nursing homes, centers for the disabled, nursing homes, clinics, medical offices, dental offices)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating rooms</td>
</tr>
<tr>
<td>X-ray rooms</td>
</tr>
<tr>
<td>Cleanroom</td>
</tr>
</tbody>
</table>

Other sectors:

- Pharmaceutical industry
- Salt hacking recording environments and sound-insulated
- Electronics workshops
- Testing laboratories (pharmaceutical and or chemical)

Specially shaped rail guards against derailing throughout door travel stroke.

Casing is hinged and locks in open position for easy servicing.

Bottom rail is 40 cm above the ground, requiring no additional floor mounting points for simpler installation and cleaning.

All prewired electrical cables are concealed in the frame, while the rugged control panel is flush with the frame.
**Automation**

Custom-designed for safe, precise operation in extreme operating environments, the control logic has been specially developed for cold storage doors, allowing it to be adapted to all operating requirements.

As standard, the automation comes complete with airtight electrical panel and prewired control panel inserted in the frame upright, ready for connection to the electrical mains without any need for complicated adjustments and wiring.

Programming takes place in autolearning mode on first start-up and functions can be selected on a display using just two buttons. Positioning control is provided by an encoder allowing continuous monitoring of the entire automation and detection of any obstacles.

A wide range of optional accessories are available.

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**Control Logic**

**Technical specifications**

- Power supply 230 V single-phase
- HIGH-TORQUE 24 VDC motor
- Opening and closing deceleration functions controlled by PWM modulation and encoder with no need for limit switches
- Operating assured even in case of power failures thanks to the buffer batteries
- Obstacle detection with four sensitivity levels programmable to suit the door’s dimensions

- Panic opening allowing a person to exit triggered by just operating the lever handle
- Closure hammer blow to increase gasket compression against the frame
- Control panel and board wired on the door

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**Manual**

Model manual sliding freezer door, essential for low temperature retention in freezer cold stores. Double gaskets and electrical heating element incorporated in frame or panel.
Materials

Door panel surface are available in the following materials:

- **PV** coated galvanized steel
- **PL** plastic coated galvanized steel
- **GL** glasbord
- **PLX** plastic coated stainless steel AISI 304
- **SBX** Axial smoothing Scotch Brite finish stainless steel AISI 304
- **FLX** Circular depolishing stainless steel AISI 304
- **2BX** 2B finish stainless steel AISI

Colours

When doors in different production areas have to be differentiated, a range of colours applicable to all our door models is available. The paints used are non-toxic and suitable for the food industry, and light ad UV-fast.

<table>
<thead>
<tr>
<th>Colour</th>
<th>RAL</th>
<th>PL</th>
<th>PV</th>
<th>PLX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pure white</td>
<td>9010</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grey white</td>
<td>9002</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signal white</td>
<td>9003</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sky blue</td>
<td>5015</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light blue</td>
<td>5012</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moss green</td>
<td>6005</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Mint green</td>
<td>6029</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flame red</td>
<td>3000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traffic red</td>
<td>3020</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rape yellow</td>
<td>1020</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Doors with CE approval

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COLD TECH
Via Rivera 136/2 - 10040 Almese (TO) - Italy
Tel. ++39 011. 9370518   Fax ++39 011.9319297
www.coldtech.it