

Cold Chain doors

ASSA ABLOY CI Polaris Sliding Blast Freezer



Experience a safer
and more open world



With the robust Polaris Freezer, you will never lose any precious energy. This sliding freezer door is designed to slice through the air when opening, limiting draught and cold air loss.

Once closed, the room is hermetically sealed, helping to reduce energy consumption to an absolute minimum.

Thanks to its 170 mm thick insulated door leaf with a thermal bridge-free stainless-steel rim and a high Rc-value of 8.87 m²K/W, the Polaris Freezer provides exceptional thermal performance. The all-around FDA-approved EPDM seal ensures an airtight closure, while the built-in heating ribbon or heating mat prevents freezing in extreme conditions down to -40°C.

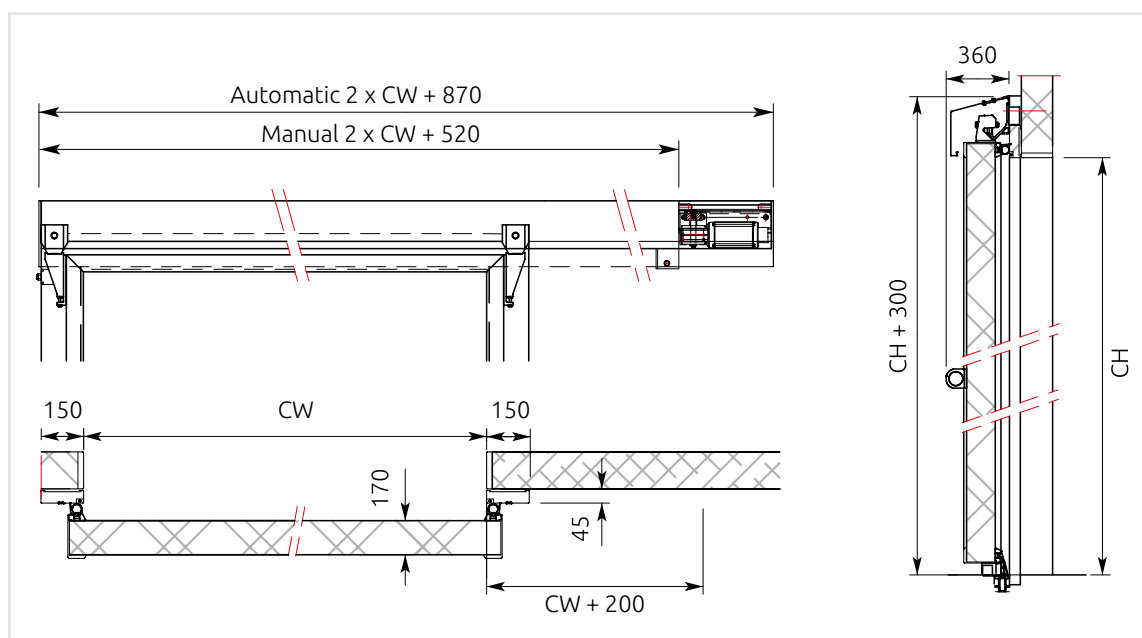
The door is suitable for both manual and automated operation and includes a stainless-steel bumper for added protection. It runs on a low-noise aluminium rail system with dirt-resistant nylon bearings and comes with a stainless-steel inner-outer lever opener for smooth, reliable use.

Product overview

- < > Automated or manually operated sliding door
- Hand icon Hygienic finishing
- Airtight icon Airtight
- Water drop icon Water resistant
- Thermometer icon Suitable for temperatures from 0 to -40°C

Ideal for freezer rooms in the food industry, logistics and transport sectors, the Polaris Freezer offers durability, safety and maximum energy efficiency. Optional features include track support, slide lock, contactless operation and various finish options tailored to hygienic environments.

CW =	Clear width
CH =	Clear height



Dimensions

Clear width: 1,000 to 3,500 mm

Clear height: 2,100 to 4,000 mm

Other dimensions available on request.

Automation (optional)

- Available with the powerful and reliable MDA automation.
- The automation consists of a motor, drive and 370 Watt AC controller (IP65 suitable) in a stainless steel or light grey plastic case. The engine is concealed under the canopy. The opening and closing time can be variably adjusted to 0.8 m/s. Equipped with an obstacle protection in the opening. The system complies with the machine guidelines.
- Standard equipped with 2 pull switches and a 2-button operation. Other control options available on request.

Technical specifications

Insulation value: R_c -value $m^2K/W = 8.87$

Door leaf: The door leaf is 170 mm thick. It is made up of replaceable panels, with a core of polyurethane (CFC free) and a stainless steel rim, thermal bridge-free. Finish in stainless steel or coated steel plate. The door leaf is equipped with a stainless steel protective bumper.

Sealing: All around sealing profile of EPDM quality, FDA approved and easily replaceable. When closing, the rubber is pressed against the frame and the floor for an airtight seal.

Door frame: Assembly frame of 150 x 45 mm, filled with polyurethane (CFC free), thermal bridge-free. Including heating ribbon and bottom sill or heating mat. Finish in stainless steel or coated steel plate. With or without reveal finish.

Track system: Low-noise aluminium rail construction with an indentation, type MF7. The placement of the nylon bearings on the rails prevents adherence of dirt and wear.

Canopy: Sloping, detachable canopy. Finish in stainless steel or coated steel plate.

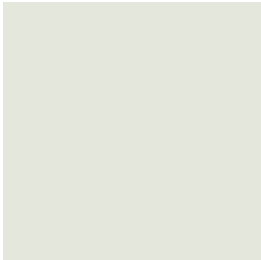
Operation: Stainless steel inner-outer opener with lever principle, allowing effortless opening of the door.

Options

Track support

Slide lock

**Options for
Cold Chain finishes**
*Galvanized steel sheet with
polyester coating (25mμ)*



RAL 9002



RAL 9006

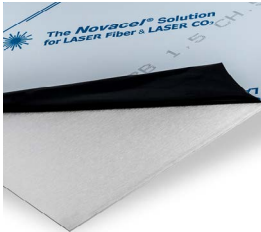


9016

Stainless Steel 304



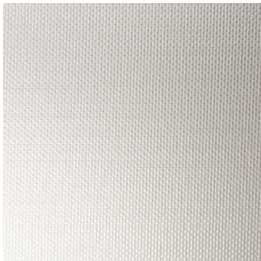
2B Finish



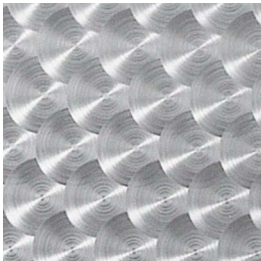
Brushed



Grid polished K240



Linen pattern



Engine turned

* Finishes in other RAL colors or other stainless steel finishes are available on request.

Options for Sliding doors Handles



Stainless steel inner-outer opener Polaris/Orion

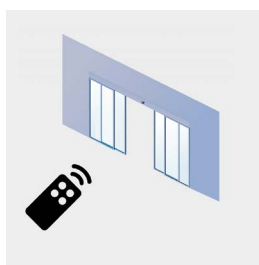
Automatic operation



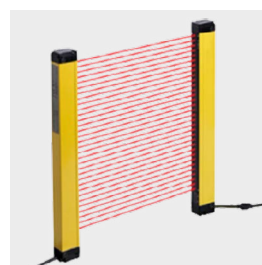
Pull switch wall/ceiling



Radar detection



Remote control



Light Curtain



Contactless switch



Push button switch, 1 fold



Push button switch, 2 fold



Push button switch, 3 fold

Options



Double leaf version



Rail passage with leaf cut-out



Find out more
on the ASSA ABLOY
CI Polaris Sliding Blast
Freezer product page!

In this review we have given you an idea of our capabilities.
We not only offer standard solutions but also custom solutions. Would you like more information?
Please contact us, we are happy to think along and advise you accordingly.



This equipment should be installed, regularly inspected, maintained and serviced by trained and authorized personnel. Preventive maintenance plans are highly recommended for a proper and safe operation.
Talk to your ASSA ABLOY Entrance Systems representative to learn more about our service offering!