

Cold Chain doors

ASSA ABLOY CI Polaris Sliding Chiller



Experience a safer
and more open world



With the rock-solid Polaris Chiller, you can easily seal off larger channels. This sliding fridge door is built for high-traffic environments and delivers a strong combination of hygiene, durability and efficiency.

It is designed to handle continuous use in sectors like food production, distribution and logistics.

The 80 mm thick door leaf contains a CFC-free polyurethane core and a stainless-steel rim, offering reliable insulation with an Rc-value of 4.13 m²K/W. The stainless-steel protective bumper adds extra durability where impact is likely. The all-around EPDM sealing profile, FDA-approved and replaceable, creates a fully airtight closure that helps maintain the room temperature and minimize energy loss.

The Polaris Chiller is available in both manual and automated versions and can be delivered with various control systems. The MDA automation system ensures smooth operation with adjustable speeds and safety features such as obstacle protection.

It is compatible with a wide range of finish options, can be cleaned intensively, and includes useful

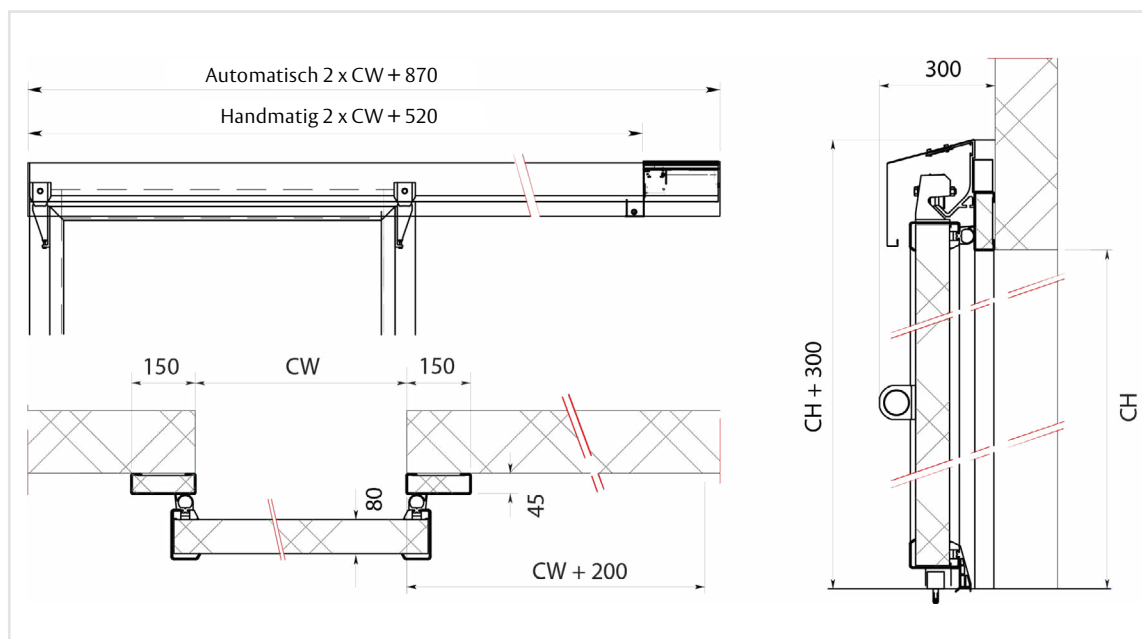
Product overview

- < > 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 15°C

add-ons like viewing windows, slide locks and track support. With available sizes up to 3,500 mm wide and 4,000 mm high, this door fits both standard and oversized openings.

A reliable choice for chilled spaces that demand hygiene, robustness and seamless daily operation.

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) and 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 $m^2K/W = 4.13$

Door leaf: The door leaf is 80 mm thick. It is made up of replaceable panels, with a core of polyurethane (CFC free) and a stainless steel rim. 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). Finish in stainless steel or coated steel plate. With or without reveal finish. Stainless steel wrap-around frame for a panel thickness of 80, 100 or 120 mm. Other thicknesses available on request.

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

Double leaf version

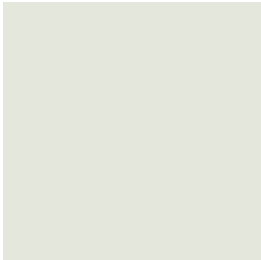
Window in rubber profile 360 x 560 mm

Rail passage

Track support

Slide lock

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



RAL 9002

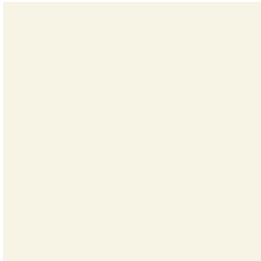


RAL 9006

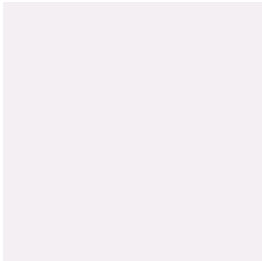


9016

*Galvanized steel sheet
with FoodSafe Hard PVC
laminate (120mμ)*



FS 9001

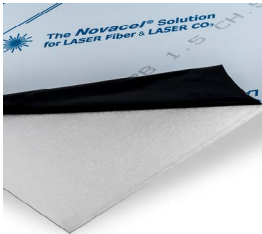


FS 9010

Stainless Steel 304



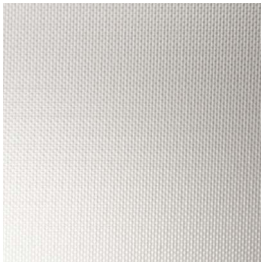
2B Finish



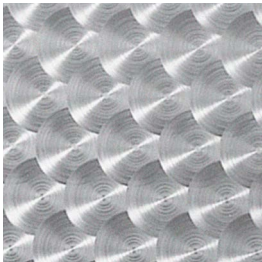
Brushed



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

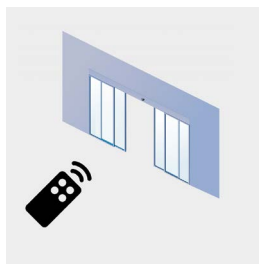
Automatic operation



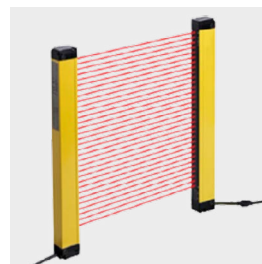
Pull switch wall/ceiling



Radar detection



Remote control



Light Curtain



Contactless switch



Push button switch, 1 fold



Push button switch, 2 fold

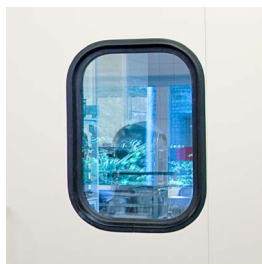


Push button switch, 3 fold

Options



Double leaf version



Window in rubber profile 360 x 560mm



Rail passage with interrupted guide rail



Rail passage with leaf cut-out



Find out more
on the ASSA ABLOY
CI Polaris Sliding Chiller
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!