

Arctigo IC

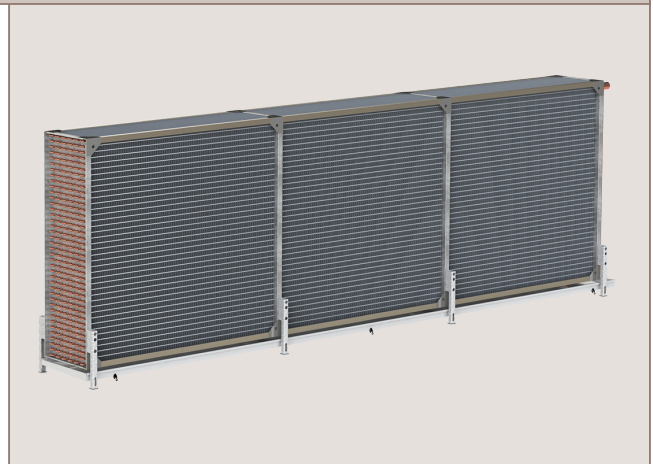
Industrial air cooler coils

General information & application

Arctigo IC is a wide and flexible range of industrial air cooler coils for applications in medium to large cooling and freezing tunnels.

The Arctigo IC range offers a wide variety of coil configurations and a long list of options, always allowing to select the best model to suit applications in cooling and freezing tunnel installations such as slaughter houses, frozen seafood production plants, industrial bakeries, etc.

| | |
|-------------------|--|
| Refrigerants | all HFO/HFC, ammonia, CO ₂ |
| Capacities (SC2) | 5 up to 450 kW |
| Evaporating temp. | +10 to -40 °C |
| Air volume | 8,500 up to 185,000 m ³ /h. |



Arctigo IC

Standard configuration

- Finned coil
 - 6 coil heights
 - 3, 4, 6, 8, 10 or 12 tube rows deep
 - Tubing \varnothing 5/8" Cu ripple fin, or smooth stainless steel.
 - Tube pitch 50 mm square.
 - Corrugated Alu-fins
 - Fin spacings 7, 8, 10, 12 and 14 mm.
- Corrosion resistant materials: coil frame and optional drip-tray pre-galvanized sheet steel, epoxy coated RAL 9002.
- Fitted with schröder valve on the suction connection for testing purposes.
- Refrigerant connections right or left - air direction (L=default).
- Suitable for dry expansion or pumped system.
- Stickers indicate refrigerant in/out.
- Delivery in mounting position.
Coils are mounted in wooden crate.
Installation can take place with use of a forklift.

Benefits

- Application based air cooler design to secure product quality.
- Heavy duty coil & drip-tray materials, resulting in a long operational product life.
- Exceptionally wide & versatile coil range.
- Easy-install.
- Low defrost frequency thanks to square tube pitch configuration.
- Low total cost of ownership.
- Two-year product guarantee.
- Easy access to additional on-line product information (QR code)



Arctigo IC

Options

- Electrical defrost systems
 - Electrical defrost only in coil - heavy (E)
 - Electrical defrost only in driptray - heavy (E1)
 - Electrical defrost in coil and driptray - heavy (E2)

Electric defrost is always supplied without connection boxes.
- Hotgas defrost systems
 - Hotgas defrost in driptray - heavy, not connected (HG2)
 - Hotgas defrost in driptray - heavy, connected to suction header (without non-return valve) (HG2C)
- Ceiling suspension brackets (BR)
- Hinged driptray, drain(s) 1½" BSP ext. (DR)
- Driptray insulation 13 mm styropore + cladding (I2)
- Horizontal driptray connection (DH)
- Stainless steel casing and driptray (SS)

- Dual fin spacing (DF)
Available on request
- Mounting feet (MF)
- Coil protection
 - Pre-coated aluminium (EP)
 - AlMg 2.5 sea water resistant aluminium fins (SWR)

Design pressure

| Refrigerant application | Design pressure |
|-------------------------|-----------------|
| HFO/HFC | 33 bar |
| Ammonia | 30 bar |
| CO ₂ | 33-40-60 bar |

Each heat exchanger is leak tested with dry air and finally supplied with a dry air pre-charge.

Code description

| | | | | | | | | | | | | | | | |
|----|----|---|---|---|----|---|------|----|------|----|----|----|----|---|----|
| IC | 24 | - | 8 | - | 10 | - | 4000 | CU | PB-X | 60 | AL | D2 | R | - | MF |
| 1 | 2 | | 3 | | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | 12 |

- Arctigo industrial air cooler coil
- Number of tube rows in coil height
- Number of tube rows in coil depth
- Fin spacing (mm)
- Finned length (mm)
- Tube material (CU=copper SS=stainless steel)
- Application - Fluid (E=DX, PB=pumped bottom feed, PT=pumped top feed - H=HFO/HFC, X=CO₂, A=ammonia)
- Maximum working pressure (bar)
- Fin material (AL=aluminium, EP=precoated aluminium, SWR=sea water resistant aluminium)
- Circuiting code (H1, H2, D1, D2, etc.)
- Refrigerant connection side (R=right, L=left - air direction view)
- Options

Selection

Selection and pricing is to be performed with our Alfa LU-VE air heat exchangers specialists. They will guide you to select the best solution according to the specific installation needs. Please contact our sales organization for details and full technical documentation including datasheets and dimensional drawings.

Certifications

Alfa LU-VE quality system is in accordance with ISO 9001. All products are manufactured according to CE regulations, including PED.

How to contact Alfa LU-VE

Up-to-date Alfa LU-VE contact details for all countries are always available on our website at alfa.luvegroup.com