



Welcome to Arieltech

Canadian made *Manufacturers of Climate Control Solutions*



Ariel Technology Inc. is a manufacturer of a full range of leading-edge Control Panel Climate Control Solutions for industrial applications .





About us

Ariel Technology Inc. is a manufacturer of control panel and electrical enclosure climate control solutions such as:

- Fan Filters & Exhaust Filters
- Thermoelectric Cooling Units
- Thermostats & Hygrostats
- Radiant Heaters
- Axial Fans



Our Canadian plant is our engineering, manufacturing & assembly hub.

Proudly manufacturing climate control management products right here in Canada. We take pride that with over 25 years of combined Climate Control design experience and expertise, we are leaders in the industry. We are proud members of **Electro Federation Canada**, Empowering the Canadian electrical industry with market intelligence, professional development and a voice for advocacy and standards advancement within a safe, collaborative environment.





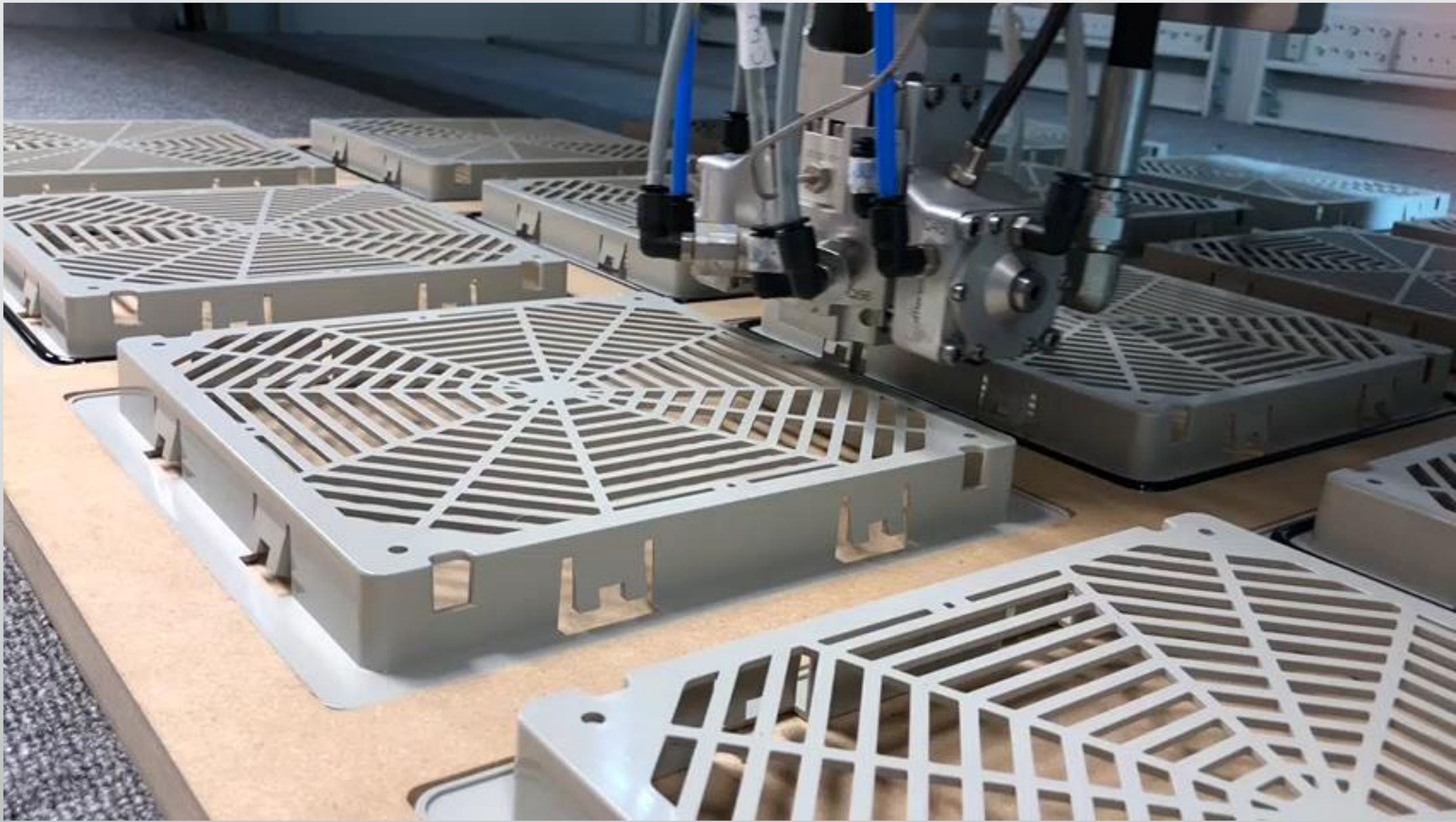
Industries Served

- Mining Industries
- Oil & Gas
- Control Panel and Electrical Enclosure industries
- OEM and System Integrators
- Electrical Distribution and Retail
- Electrical Contractor
- HVAC Industry
- Heavy Machinery
- Solar Industries
- Telecommunications
- Computer Servers
- Medical Industry





Manufacturing





Quality Control

“get it right, 100% of the time”

ARIELTECH
MANUFACTURIER DE FERMETURE DE SOLUTIONS DE CONTRÔLE DE CLIMAT

Certifications



UL is the leading resource for testing, inspection, certification, compliance and knowledge solutions around the world.

The letters **CE** appear on many products traded on the extended Single Market in the European Economic Area (EEA). They signify that products sold in the EEA have been assessed to meet high safety, health, and environmental protection requirements.

The mission of **CSA** Group's Standard Development organization is to enhance the lives of Canadians through the advancement of standards in the public and private sectors. We are a leader in standards research, development, education, and advocacy. The technical and management standards developed with our 10,000 members improve safety, health, the environment, and economic efficiency in Canada and beyond.

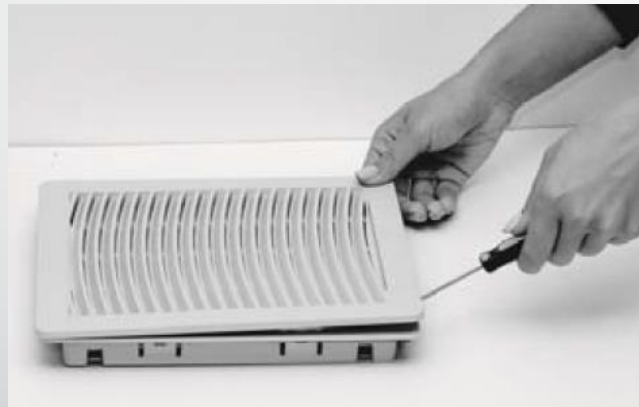
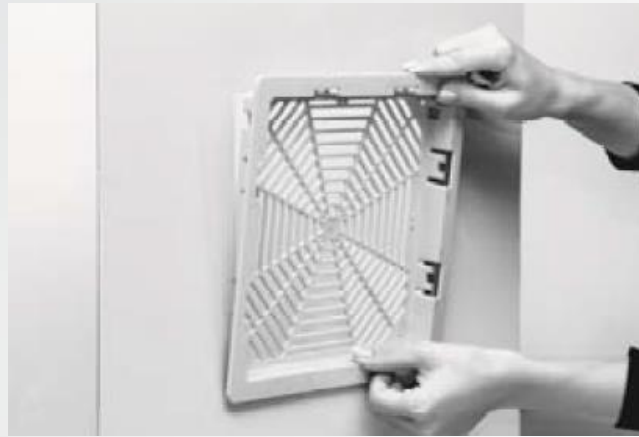


Climate Control
Solutions

Fan Filters and Exhaust Filters

- UL and cUL Listed, CSA and CSAus Listed, CE
- **Robust flame-retardant plastic housing, UL 94-V0 to 950 °C.**
- Wide range of sizes- from 4" to 12"
- Wide range of Flow Capacity- from 15 CFM to 625 CFM
- Type 12 and Type 3R NEMA Rating- NO HOOD REQUIRED
- IP 54 using G3 filter mat and IP 55 using G4 filter mat
- 115 VAC, 230 VAC, 460 VAC, 12, 24, and 48 VDC available
- Ball bearing Fan
- UV Resistant
- Operating/Storage Temperature: -4 °F to +158 °F / -20 °C to +70 °C
- Durability: 50,000 hrs
- RAL 7035, RAL 7032, RAL 9011, Other colors on request





**Easily snaps
into place
without the
use of screws**

Polyurethane sealing gasket



Washable and reusable filter mat



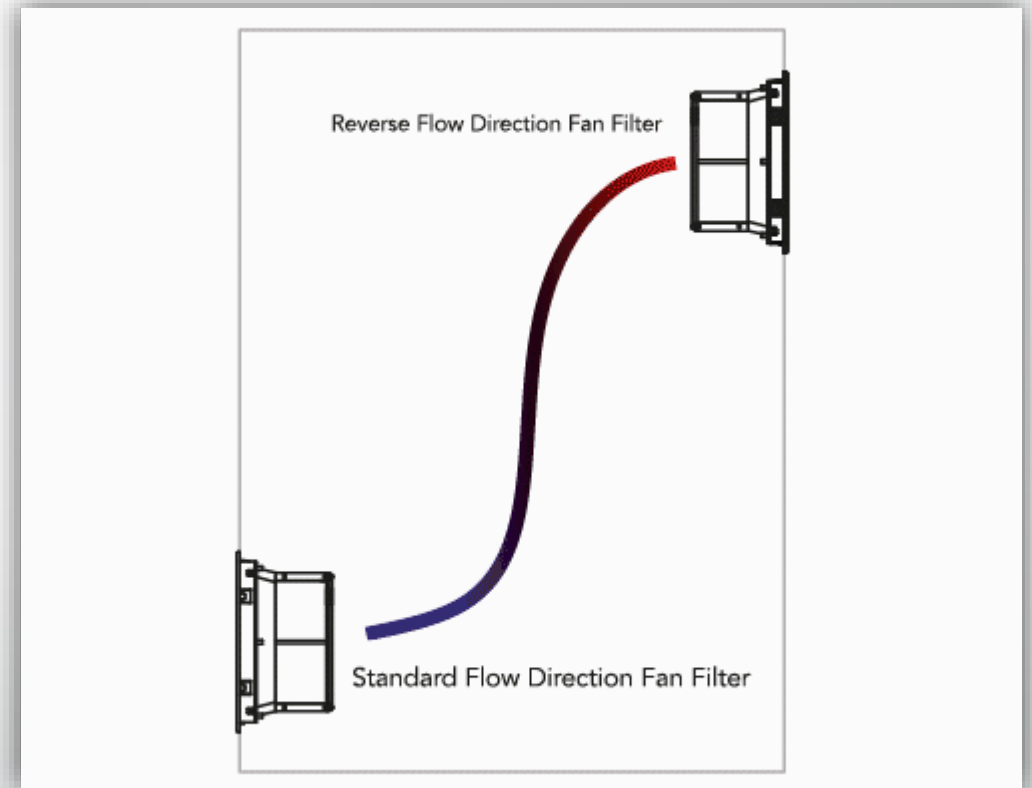
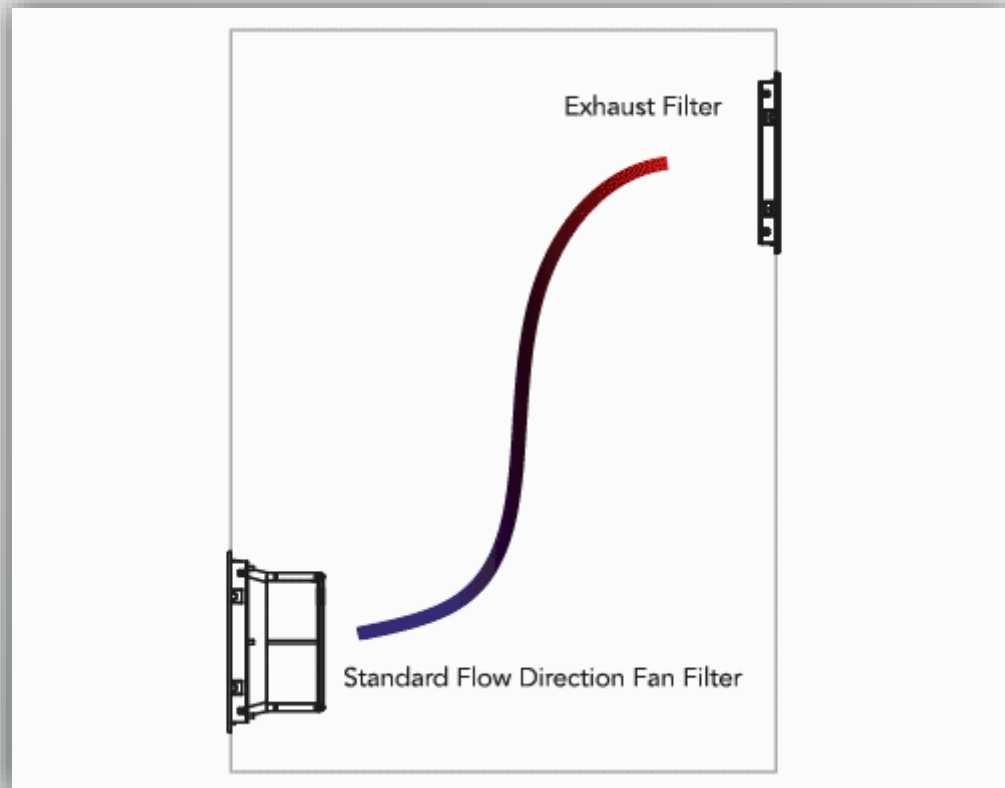
NEMA 3R rating



NO HOOD REQUIRED FOR ARIELTECH Fan Filters with 3R ratings

- Lower installation cost
- No compensating for restricted airflow

Air Flow installation options



Thermostats

CSA, CSAus, UL, cUL, and CE Certified

- Controls a wide range of enclosure temperatures from 14 °F to 176 °F
- Robust flame-retardant plastic housing, UL 94-V0 to 950 °C.
- Available in Fahrenheit or Celsius
- Mechanical NC and NO Thermostats
-
- Mountable on three different sized DIN Rails

(DIN Rail 35 mm, DIN Rail 32 mm and DIN Rail 15 mm)



Accommodates 3 DIN RAIL Sizes

#35 mm

#32 mm

#15 mm



Hygrostat

- **CSA, CSAus, UL, cUL, and CE Certified**
- **Robust flame-retardant plastic housing, UL 94-V0 to 950 °C.**
- Controls a wide range of enclosure relative humidity from 10% to 90%
- Can be used for both applications; Humidifiers and Dehumidifiers
- Mechanical Hygrostat
- Mountable on 35 mm DIN Rail

ARIELTECH[®]
MANUFACTURIER DE FERMETURE DE SOLUTIONS DE CONTRÔLE DE CLIMAT



Thermoelectric Cooling Units



COLTEC

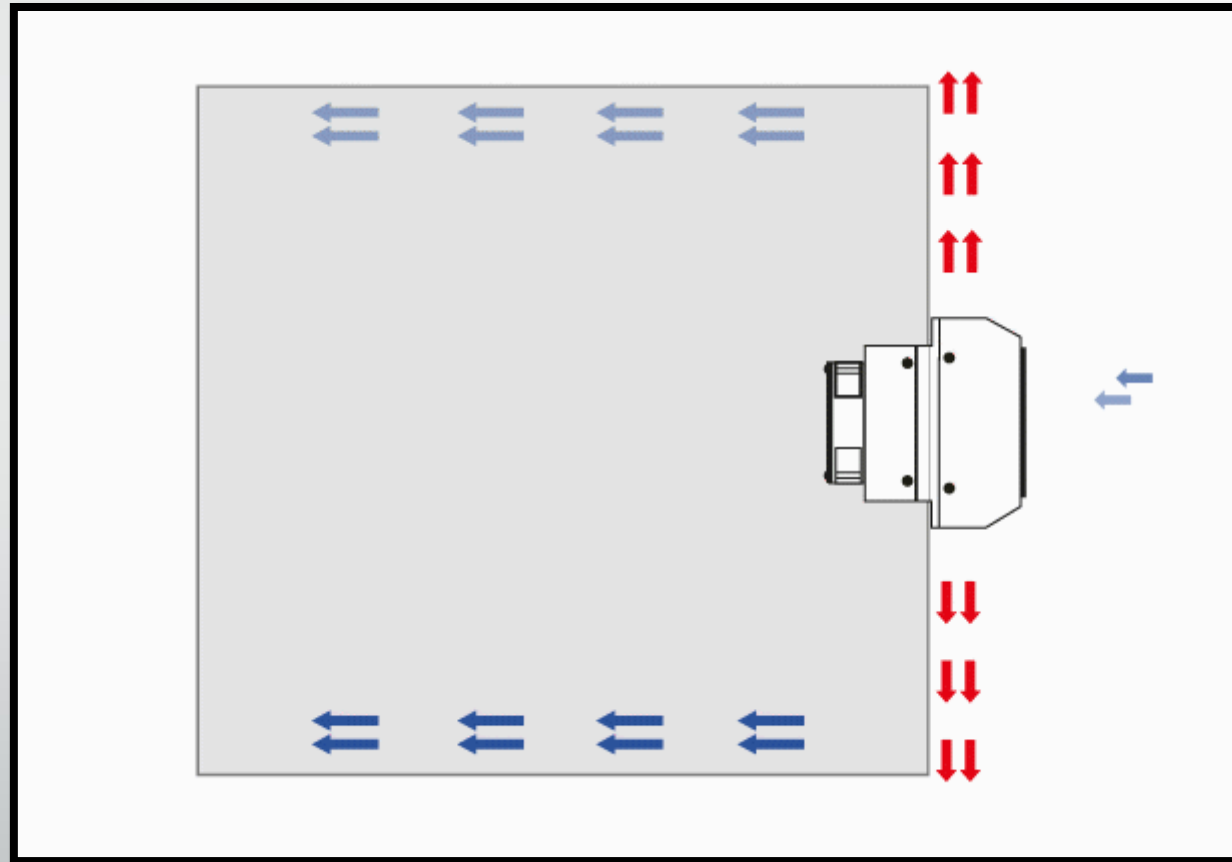


Features

- Small Footprint
 - Safe for the environment
- Zero maintenance, filters, compressors or refrigerant required
- No air exchange between ambient and cabinet air
 - Continuous worry-free operation
- Refrigeration, heating, and convenient conversion
 - Installs vertically or horizontally. Can be installed on any plate thickness by means of screws
 - Uses quality ball bearing fans
 - Standard direction air flow
- Ingress Protection is NEMA 12/ IP 55

Thermoelectric Cooling Units

Air Flow



Heater series

Certificates

- UL and cUL Certified ...CE Compliant

Application

Provides protection from condensation and low temperatures in Control Panels, Electronic Enclosures, Hydraulic and Pneumatic Machinery

Features

- Safe, Reliable and consistent heat for long periods by means of PTC (Positive Temperature Coefficient) heater
- Highly efficient and low profile
- Connects easily with push connectors for 3 wires. From AWG 20 to AWG 16 (0.5 - 2.5 mm²).
- Built in safety feature prevents overheating
- Used with Normally Closed Thermostat and Hygrostat
- Black anodized aluminum housing
- Mounts easily on 35 mm DIN Rail EN 50 022
- Available in 35 Watt to 150 Watt

Color

- Black



Axial Fan series

Certificates

- UL and cUL Recognized, File Number E508880
- CE Compliant

Application

FANTEC series Axial Fans are designed to supply forced convection air to enclosures and electrical panels.

By using the unique cooling features, FANTECs will cool down the inside of enclosures to a desired temperature to protect the electrical and electronic parts against heat.

Features

- Wide range of operating temperatures from -20 C/68 F to 70 C/158 F
- Fans are available in 115 and 230 VAC and 12, 24, and 48 VDC
- Airflow from 40 to 1200 m³/hr
- Thermally or Impedance Protected
- 50,000 hrs life cycle
- Aluminium Die Cast housing
- Terminal Termination

Colors

- Black



Why use Climate Control Products in Electrical Enclosures?

To regulate TEMPERATURE on the inside of electrical enclosures

- Maximum allowable temperature of the most delicate part should be considered
- The most delicate parts are **Electric Batteries and PCBs-Electronic Equipment**

Recommended desired temperature inside of electrical panel: **30 °C to 35 °C**

How to regulate temperature:

Forced Ventilation Cooling:

Cooling that circulates fresh air through the enclosure to take heat away

Fan Filter, Fan, and Fan tray

Sealed Enclosure Cooling:

Cooling that maintains the protective seal of the cabinet

Thermoelectric Unit, Air Conditioner, Heat Exchanger, and Vortex Cooler





New products for 2021

Harsh environment products

- Electronic Thermostat, Dual -40 to +80 °C.
(harsh environment applications)
- Electronic Hygrostat -40 to +80 °C.
(harsh environment applications)
- Full line of AC units
- Roof Fan Filters
- Fan Heaters up to 1000 Watts

- Full line of Climate Control products
- Industry leading Prices
- UL, CSA & CE Approved
- Short Lead Times
- Industry Leading 18-Month Warranty
- Custom Solutions



Resource Library

Edit

Fan Filters & Exhaust Filters



Thermostats



Heaters



Mechanical Hygrostats



Axial Fans



Thermoelectric Cooling Units



Arieltech Products	Spec Sheets	Info Sheets	Installation Instructions	UL LISTED	SP US	CE	Cutout Template	3D Drawings
Fan Filters								



ARIELTECH[®]
MANUFACTURER OF ENCLOSURE CLIMATE CONTROL SOLUTIONS





Thank you



Ariel Technology Inc.

9-1111 Gorham Street Newmarket, Ontario Canada L3Y 8X8

Tel: 905 895 5900 Fax: 905 895 5960

E-mail: info@arieltech.ca Website: <https://arieltech.ca/>