



# PA3510E08 AIR CURTAIN

Item no. 9828

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## Description

### Stylish air curtain for commercial premises, with intelligent control

- Horizontal mounting
- Installation height up to 3,5 metres\*
- Vertical mounting
- Installation width up to 5 metres\*  
(2 units), one on each side

### Application

Air curtain PA3500 gives more possibilities than ever before, packed into the same product. There are therefore many areas of use. PA3500 is particularly suitable for entrances to stores and shopping centres for example. The air curtain has many intelligent and energy saving features which provide fully automatic protection for the entrance, adaptable to each area of use.

### Design

Through its timeless design and its many accessories, it's easy to get PA3500 to blend well into the premises. Front and service hatch can be finished in any colour to perfectly match the environment. The air curtain is available for horizontal, vertical and recessed installation.

\*) Recommended installation height and width varies depending on the relevant premises.

## Technical parameters

| Unit   |                        |
|--|------------------------|
| Type of installation                               | Horizontal/Vertical    |
| Type of heating                                    | Electrical heat        |
| Length   | 1039 mm                |
| Height   | 270 mm                 |
| Depth  | 525 mm                 |
| Weight   | 44 kg                  |
| Max. installation height                           | 3500 mm                |
| Color casing                                       | RAL 9016, NCS S 0500-N |
| Color, outlet grilles                              | RAL 7046               |
| Protection class                                   | IP20                   |
| Ambient working temperature range (dry conditions) | -20-30 °C              |
| Air flow   |                        |
| Air flow step 5                                    | 2000 m³/h              |
| Air flow step 4                                    | 1700 m³/h              |
| Air flow step 3                                    | 1400 m³/h              |
| Air flow step 2                                    | 1000 m³/h              |
| Air flow step 1                                    | 900 m³/h               |

### Get In Touch

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### Our Address

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| Sound data   |      |       |
|--|------|-------|
| Sound power level LWA                                  | 78   | dB(A) |
| Sound level step 5                                     | 61   | dB(A) |
| Sound level step 4                                     | 57   | dB(A) |
| Sound level step 3                                     | 52   | dB(A) |
| Sound level step 2                                     | 47   | dB(A) |
| Sound level step 1                                     | 41   | dB(A) |
| Control/motor data                                     |      |       |
| Control/motor supply                                   | 230  | V     |
| Control/motor current, 50Hz                            | 2,6  | A     |
| Control/motor current, 60Hz                            | 2,8  | A     |
| Motor power 50Hz                                       | 580  | W     |
| Motor power 60Hz                                       | 640  | W     |
| Heater   |      |       |
| Supply voltage heating                                 | 400  | V     |
| Phase  | 3    | ~     |
| Electric heating 100%                                  | 8,1  | kW    |
| Electric heating 66%                                   | 5,4  | kW    |
| Electric heating 33%                                   | 2,7  | kW    |
| Current heating 100%                                   | 11,7 | A     |
| Current heating 66%                                    | 7,7  | A     |
| Current heating 33%                                    | 3,9  | A     |
| Temperature rise, maximum heat output, highest airflow | 12   | °C    |
| Temperature rise, maximum heat output, lowest airflow  | 27   | °C    |

## Accessories

### Accessories


- [SIRERTX Room sensor \(17539\)](#)
- [SIRECC605 5m Modular cable \(17543\)](#)
- [SIRECC615 15m Modular cable \(17545\)](#)
- [PA34EF10 External inlet filter \(19064\)](#)
- [PA3XT10 Outlet extension \(19085\)](#)
- [PA34CB15 Ceiling brackets \(18059\)](#)
- [PA3JK Vertical kit/Joining kit \(110759\)](#)
- [PA34WB15 Wall brackets \(18044\)](#)
- [PA34VD15 Vibration damper \(18065\)](#)
- [PA34WS15 Wire suspension \(18062\)](#)
- [PA34TR15 Threaded rods \(18056\)](#)
- [PA3DW10 Design kit wall \(110834\)](#)
- [SIREACY Competent kit \(33488\)](#)
- [SIREAAY Advanced kit \(33490\)](#)
- [SIREBN Basic kit \(33481\)](#)
- [SIREACZ Competent kit \(33489\)](#)
- [SIREAAZ Advanced kit \(33491\)](#)

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## Documentation

-  ma\_frico\_pa3500-4200\_gb\_180926.pdf (3,49MB)
-  ma\_frico\_PA3JK\_PA4JK\_PA34VDW\_vertical.pdf (1,53MB)
-  ma\_frico\_PA3XT\_PA4XT\_150415.pdf (381,55kB)
-  ma\_frico\_pa34tr\_pa34cb-pa34vd.pdf (739,11kB)
-  ma\_frico\_pa34ws\_pa34cb.pdf (916,13kB)
-  ma\_pa34jk\_pa34dw\_horizontal.pdf (1,74MB)

-  cat\_frico\_pa3500\_pa4200\_gb.pdf (1,43MB)
-  cat\_frico\_ac\_sire\_valves\_gb\_20170523.pdf (345,98kB)

-  wd\_frico\_pa3500\_gb.pdf (168,30kB)

-  DoC Air curtains\_gb 2017-04.pdf (224,51kB)

-  pa3510e08-2D\_1.dwg (191,50kB)
-  pa3510e08-3D\_1.dwg (292,22kB)

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## Specification text

Frico Thermozone Air Curtain - PA3500 & PA4200

Innovative new generation type of air curtains, designed for either horizontal or vertical mounting with air circulation in neutral, compact design with integrated and intelligent control system SIRE

### Housing

The self-supporting compact unit construction is made of galvanized sheet steel. All of our Frico air curtains are Zink plated (Z275) with a thickness of 35 µm. Visible surfaces with high-quality plastic powder coated (polyester powder coating, 60 µm) in a subtle gray and white combination of both RAL9016 and RAL7046. A dominant and timeless design, hinged front and front access panel, high-grade aluminum allows integrating technical detail for each input. With M8 nuts, the air curtain is simple and easy to mount on the wall or ceiling. Matching design panels for cable connections are available as accessories for every type of installation. For vertical installations of either single or several air curtains, vertical installation accessories are available for each specific needs and requirement.

### Fans

Vibration-free individually driven, double inlet five -stage variable high performance centrifugal fans with external rotor motor for extremely quiet operation, IP 44, with accessible motor protection and thermal contacts with class B insulation and ensure low noise operation. The newly developed sound-absorbing lined air outlet pressure chamber provides the internal air flow for reduced emissions of the engine noise and the formation of a highly effective flow profile.

### Inlet grille

Integrated and located on top of the unit, not visible from below for hiding dust; guarantees a quiet slipstream.

### Outlet grille

The streamlined grey powder coated outlet nozzle rod profiles, are lockable between 0 ° and 30 ° (in and out) and creates and provides a guided, aerodynamic air flow and high shielding effectiveness; Thermozone Technology.

### Electrical connection

The main control connection is mounted and located on the top of the device and easily accessible to its integrated SIRE PC control system. Frico Thermozone PA3500/PA4200 design are according to ISO 9001:2000.

### SIRE control system

SIRE control system is an intelligent and adaptive control system, allowing and operating the installed Frico air curtain with five different fan speed for being energy efficient as possible yet providing the best and most efficient air curtain effect. With SIRE control system, a calendar program can easily be set and adjusted according to each specific needs for the air curtain of operating without any manual handling. The Frico air curtain can together with SIRE control system be also connected to either 0-10V or Modbus BMS system.

### Certification

Since we produce and manufacture our Frico air curtains within Sweden, Europe, we comply to EN and ISO standards valid for air curtains. All of our air curtains are tested and approved according ISO standards (ISO 27327-1), EN standards (EN 308; EN 12238; EN 60335) and AMCA standards (AMCA 210; AMCA 220-5; AMCA 300).

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