

# EVVCIN Industrial surface-mounted air curtain



## Descrizione

Industrial air curtain for surface-mounted installation.

## Caratteristiche

- Air flow rate up to 18,500 m<sup>3</sup>/h;
- Maximum installation height 6 m;
- Horizontal and vertical installation.

## Use

High-performance industrial air curtains, designed for use in industrial buildings, storage areas, hangars, garages and cold stores. The airflow effectively protects openings up to 6 metres high. When installed vertically alongside the door, fitting two air curtains opposite each other protects openings up to 12 metres wide.

## Lengths

Lengths: 1,65 m - 2,2 m - 2,75 m.

## Versions

- S0 - Without heating;
- E1 - With Electric Battery;
- V2 - With Water Coil .

Versions with electric heating: power supply V400 / 3 / 50;

Water-cooled versions or versions without heating: power supply V230 / 1 / 50.

## Technical Data

(1) Air flow rates measured in accordance with ISO 27327-1

(2) Sound pressure levels in accordance with ISO 27327-2 at distances of 3 and 5 m at maximum speed. Directional factor: Q = 2

| Models           | Number of Fans | Heating Type        | Airflow Rate (1)  | Sound Pressure Level <sup>2</sup> |           | Heating Capacity | Riscaldatore elettrico | Motori    | Weight |
|------------------|----------------|---------------------|-------------------|-----------------------------------|-----------|------------------|------------------------|-----------|--------|
|                  |                |                     | m <sup>3</sup> /h | 3 m dB(A)                         | 5 m dB(A) | kW               | V/A                    | V/A       | Kg     |
| EVVCIN1A150-S0AG |                | senza riscaldamento | 11550             | 67,5                              | 63,0      | -                | -                      | 230 / 3,9 | 51     |
| EVVCIN1A150-V2AG |                | Water               | 10300             | 67,5                              | 63,1      | 75,2             | -                      | 230 / 3,9 | 60     |
| EVVCIN1A150-E1AC | 3              | Elettrica           | 11550             | 67,5                              | 63,0      | 24,3             | 400 / 35,2             | 230 / 3,9 | 55     |
| EVVCIN1A200-S0AC | 4              | senza riscaldamento | 15100             | 39,3                              | 64,9      | -                | -                      | 230 / 5,1 | 69     |
| EVVCIN1A200-V2AC | 4              | Water               | 13700             | 68,4                              | 64,0      | 101,0            | -                      | 230 / 5,4 | 78     |
| EVVCIN1A200-E1AC | 4              | Elettrica           | 15100             | 69,3                              | 64,9      | 32,4             | 400 / 47,0             | 230 / 5,1 | 74     |
| EVVCIN1A250-S0AC | 5              | senza riscaldamento | 18500             | 71,1                              | 66,7      | -                | -                      | 230 / 6,5 | 83     |
| EVVCIN1A250-V2AC | 5              | Water               | 17000             | 70,0                              | 65,5      | 127,0            | -                      | 230 / 6,7 | 98     |
| EVVCIN1A250-E1AC | 5              | Elettrica           | 18500             | 71,1                              | 66,7      | 40,5             | 400 / 58,6             | 230 / 6,5 | 89     |

## Parametri batterie elettriche

(1) Air flow rates measured in accordance with ISO 27327-2

\* At maximum air flow rate and maximum electrical power.

| Models           | Airflow Rate (1)  | Heating Capacity | Incremento temperatura aria* |
|------------------|-------------------|------------------|------------------------------|
|                  | m <sup>3</sup> /h | kW               | °C                           |
| EVVCIN1A150-E1AC | 11550             | 24,3             | 6,3                          |
| EVVCIN1A200-E1AC | 15100             | 32,4             | 6,4                          |
| EVVCIN1A250-E1AC | 18500             | 40,5             | 6,5                          |

## Performance of water coils with thermal jump 60/40 ° C

(1) Air flow rates measured in accordance with ISO 27327-2

\* With an inlet air temperature of +15 °C.

| Models           | Airflow Rate (1)  | Heating Power* | Supply Air Temperature | Water Flow Rate | Pressure Drop |
|------------------|-------------------|----------------|------------------------|-----------------|---------------|
|                  | m <sup>3</sup> /h | kW             | °C                     | l/s             | kPa           |
| EVVCIN1A150-V2AC | 10300             | 37,6           | 26,1                   | 0,45            | 8             |
| EVVCIN1A200-V2AC | 13700             | 50,2           | 26,2                   | 0,61            | 7             |
| EVVCIN1A250-V2AC | 17000             | 62,7           | 26,2                   | 0,76            | 5             |

## Performance of water coils with thermal jump 70/50 ° C

(1) Air flow rates measured in accordance with ISO 27327-2

\* With an inlet air temperature of +15 °C.

| Models           | Airflow Rate (1)  | Heating Power* | Supply Air Temperature | Water Flow Rate | Pressure Drop |
|------------------|-------------------|----------------|------------------------|-----------------|---------------|
|                  | m <sup>3</sup> /h | kW             | °C                     | l/s             | kPa           |
| EVVCIN1A150-V2AC | 10300             | 50,4           | 30,1                   | 0,61            | 13            |
| EVVCIN1A200-V2AC | 13700             | 67,6           | 30,2                   | 0,82            | 9             |
| EVVCIN1A250-V2AC | 17000             | 84,5           | 30,4                   | 1,03            | 9             |

## Performance of water coils with thermal jump 80/60 ° C

(1) Air flow rates measured in accordance with ISO 27327-2

\* With an inlet air temperature of +15 °C.

| Models           | Airflow Rate (1)  | Heating Power* | Supply Air Temperature | Water Flow Rate | Pressure Drop |
|------------------|-------------------|----------------|------------------------|-----------------|---------------|
|                  | m <sup>3</sup> /h | kW             | °C                     | l/s             | kPa           |
| EVVCIN1A150-V2AC | 10300             | 62,9           | 34,1                   | 0,76            | 18            |
| EVVCIN1A200-V2AC | 13700             | 84,6           | 34,3                   | 1,03            | 14            |
| EVVCIN1A250-V2AC | 17000             | 106            | 34,5                   | 1,29            | 11            |

## Performance of water coils with thermal jump 90/70 ° C

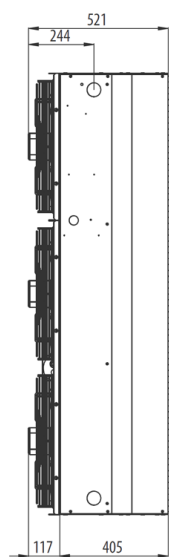
(1) Air flow rates measured in accordance with ISO 27327-2  
\* With an inlet air temperature of +15 °C.

| Models           | Airflow Rate (1) | Heating Power* | Supply Air Temperature | Water Flow Rate | Pressure Drop |
|------------------|------------------|----------------|------------------------|-----------------|---------------|
|                  | m³/h             | kW             | °C                     | l/s             | kPa           |
| EVVCIN1A150-V2AC | 10300            | 75,2           | 38,1                   | 0,92            | 24            |
| EVVCIN1A200-V2AC | 13700            | 101            | 38,4                   | 1,24            | 17            |
| EVVCIN1A250-V2AC | 17000            | 127            | 38,7                   | 1,55            | 15            |

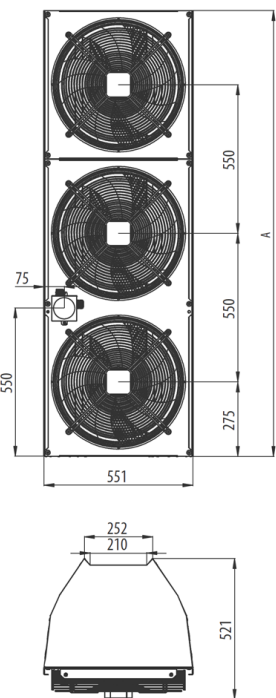
## Performance of superheated water coils with temperature difference 110/80 ° C

(1) Air flow rates measured in accordance with ISO 27327-2  
\* With an inlet air temperature of +15 °C.

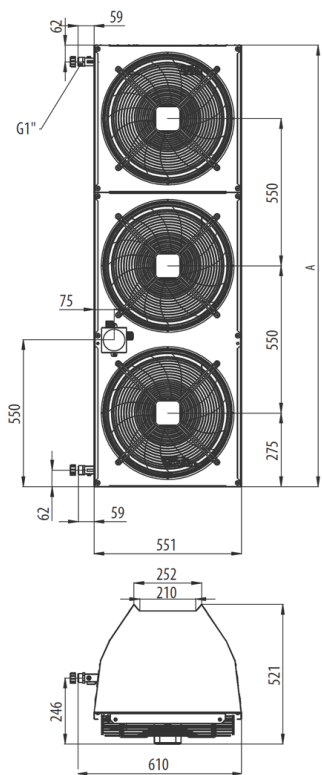
| Models           | Airflow Rate (1) | Heating Power* | Supply Air Temperature | Water Flow Rate | Pressure Drop |
|------------------|------------------|----------------|------------------------|-----------------|---------------|
|                  | m³/h             | kW             | °C                     | l/s             | kPa           |
| EVVCIN1A150-V2AC | 10300            | 91,3           | 43,6                   | 0,75            | 16            |
| EVVCIN1A200-V2AC | 13700            | 123            | 43,9                   | 1               | 12            |
| EVVCIN1A250-V2AC | 17000            | 154            | 44,3                   | 1,26            | 10            |



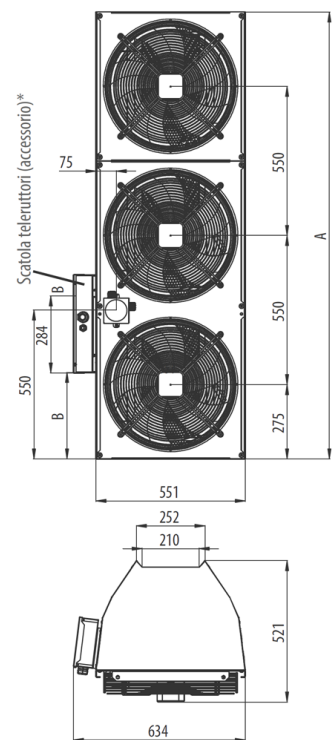
SENZA RISCALDAMENTO  
(VERSIONE S0)



CON RISCALDAMENTO AD ACQUA  
(VERSIONE V2)



CON RISCALDAMENTO ELETTRICO  
(VERSIONE E1)



| Models      | A    |
|-------------|------|
|             | mm   |
| EVVCIN1A150 | 1650 |
| EVVCIN1A200 | 2200 |
| EVVCIN1A250 | 2750 |

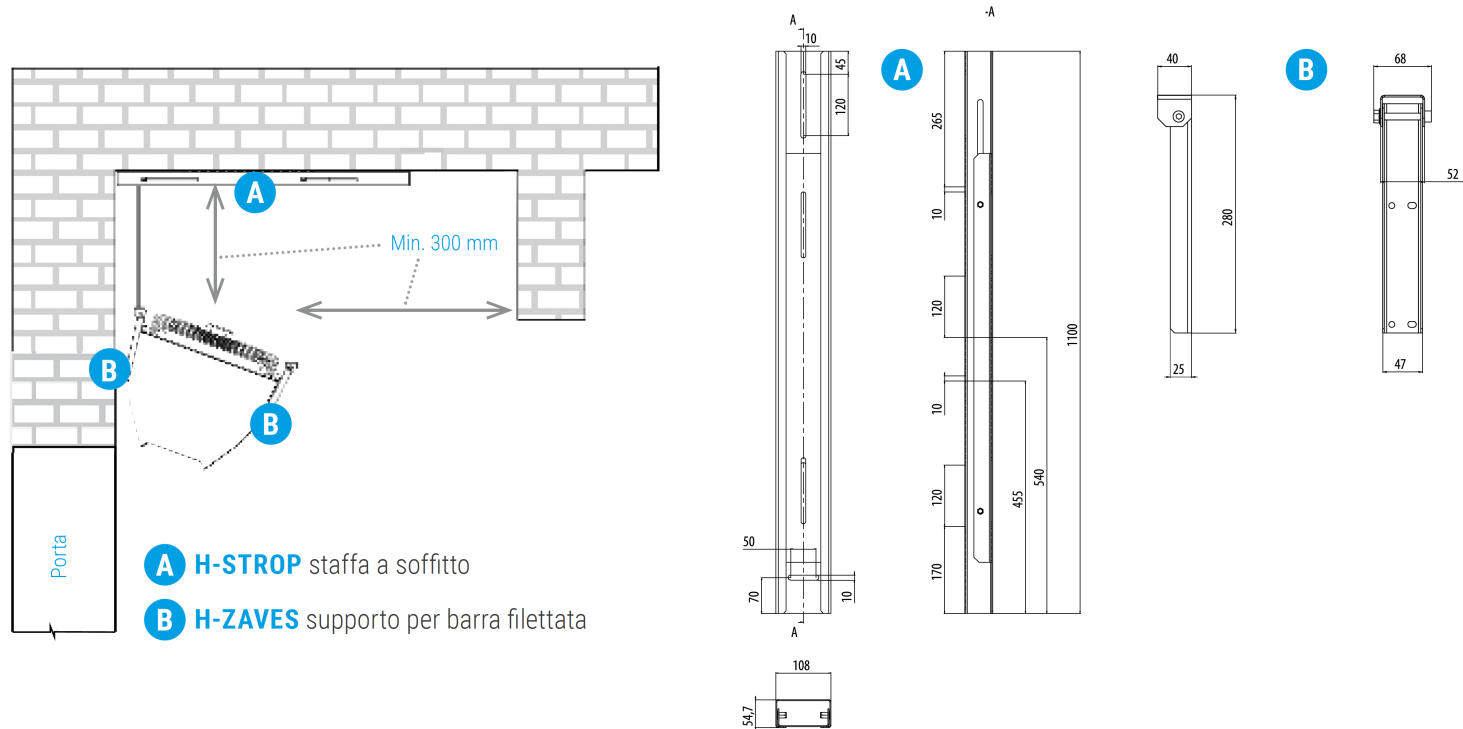
## Regulations

For the EVCP13 configuration, add one contactor box for each air blade:

- EVSTYKAC-25 For air blades 150 and 200 in length;
- EVSTYKAC-40 For air blades 250 in length.

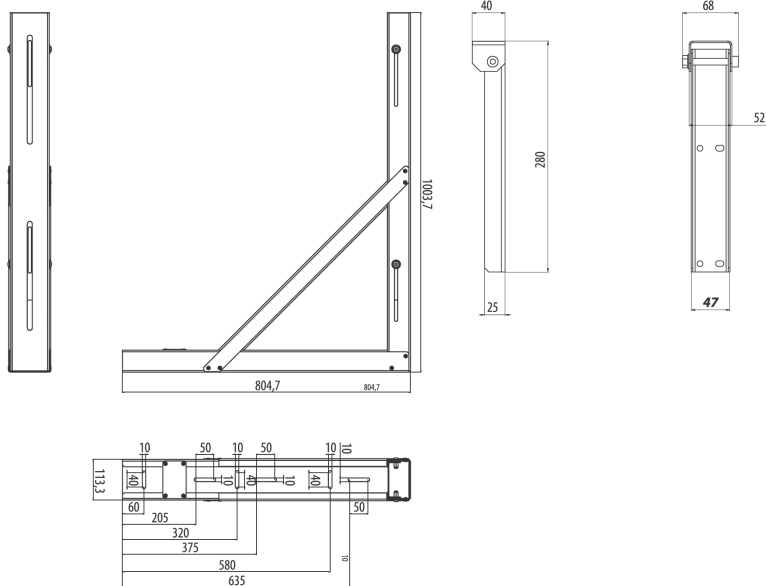
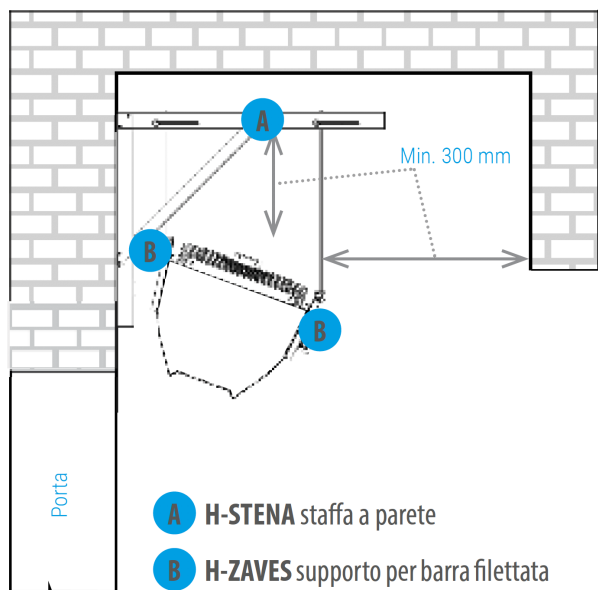
|                                        | EVCP13 | EVSTRA1-050                                                                                            | EVSTRA1-075 | EVSTRA1-160 |
|----------------------------------------|--------|--------------------------------------------------------------------------------------------------------|-------------|-------------|
| Tipo di controllo                      | Manual | Manual                                                                                                 | Manual      | Manual      |
| Numero massimo ventilatori             | 13     | 3                                                                                                      | 5           | 12          |
| Regolazione portata aria               | no     | 5 velocità                                                                                             | 5 velocità  | 5 velocità  |
| Possibilità connessione contatto porta | si     | si (aggiungere un timer di ritardo spegnimento sul fine corsa, componente a carico dell'installatore). |             |             |
| Controllo esterno                      | si     | si                                                                                                     | si          | si          |
| Indicazione intervallo di manutenzione | no     | si                                                                                                     | si          | si          |
| Controllo riscaldamento                | si     | no                                                                                                     | no          | no          |

## Ceiling mounting kit for horizontal installation



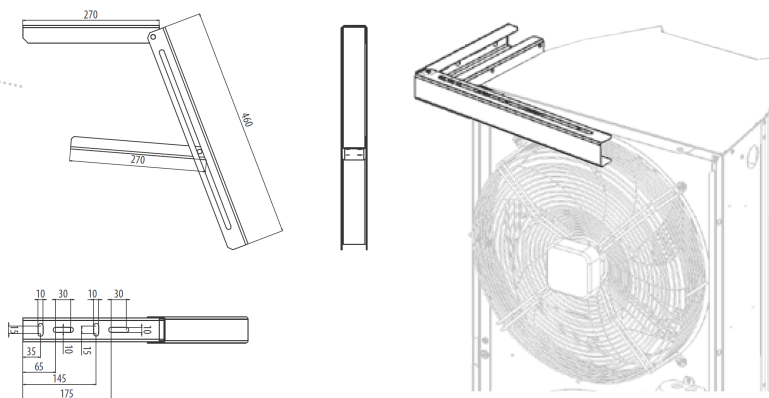
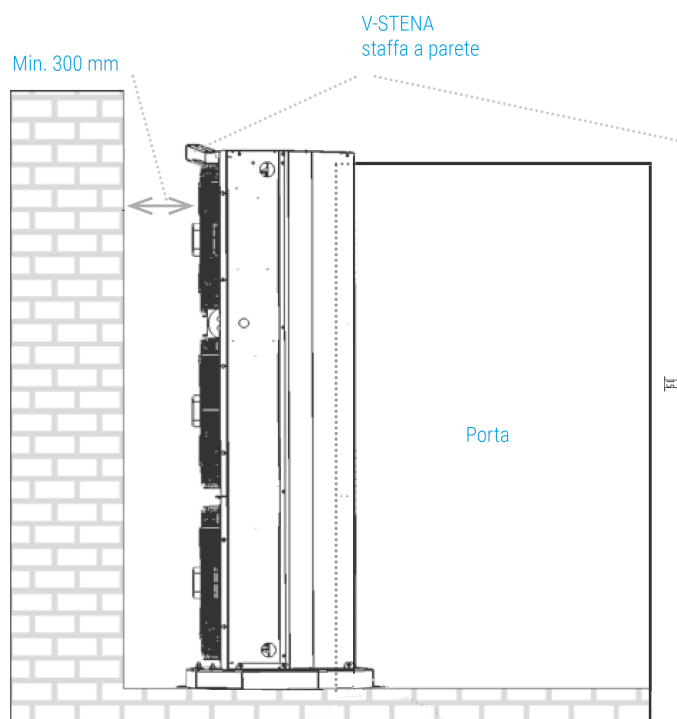
H-STROP kit supporto a soffitto, composto da 1 staffa a soffitto **A** e 2 supporti per barra filettata **B**

## Wall-mounting kit for horizontal installation



**H-STENA kit supporto a parete**, composto da 1 staffa a 90° **A** e 2 supporti per barra filettata **B**

## Vertical mounting kit

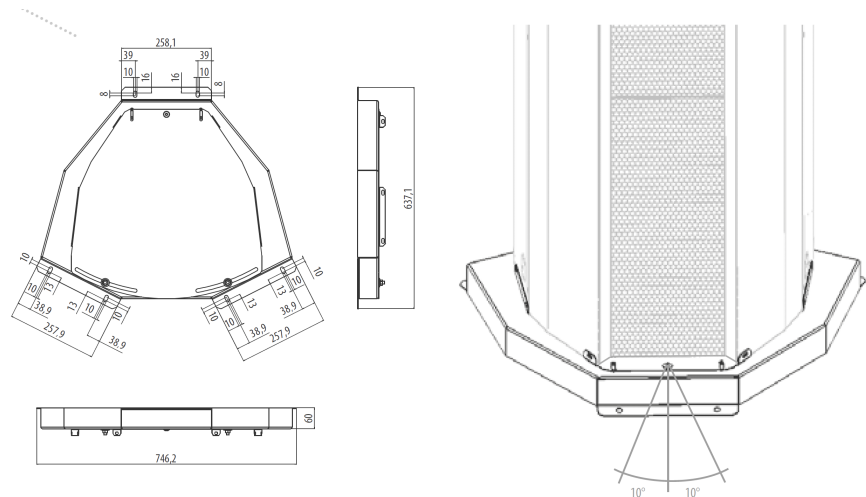


**Codice: EVVCIN1-KOT-V-STENA**

L'altezza massima di barriere che si possono sovrapporre usando le staffe descritte in questa pagina è di 6,5 metri. Per altezze maggiori, il sistema di fissaggio non viene fornito

**V-PODST**  
**piedistallo orientabile**

Piedistallo per il fissaggio della barriera sul pavimento,  
con possibilità di rotazione massima di 20°.



Price list

| Models           | Airflow | Width | Heating  | Power | Euro     |
|------------------|---------|-------|----------|-------|----------|
|                  | m³/h    | mm    |          |       |          |
| EVVCIN1A150-S0AC | 11550   | 1650  | Without  | -     | 3.818,73 |
| EVVCIN1A200-S0AC | 15100   | 2200  | Without  | -     | 5.302,93 |
| EVVCIN1A250-S0AC | 18500   | 2750  | Without  | -     | 5.963,44 |
| EVVCIN1A150-E1AC | 11550   | 1650  | Electric | 24,3  | 5.105,25 |
| EVVCIN1A200-E1AC | 15100   | 2200  | Electric | 32,4  | 7.104,04 |
| EVVCIN1A250-E1AC | 18500   | 2750  | Electric | 40,5  | 8.150,51 |
| EVVCIN1A150-V2AC | 10300   | 1650  | Water    | 62,9  | 4.804,02 |
| EVVCIN1A200-V2AC | 13700   | 2200  | Water    | 84,6  | 6.848,31 |
| EVVCIN1A250-V2AC | 17000   | 2750  | Water    | 106,0 | 7.935,56 |

Access price list

| Models              | Description                                                                         | Euro     |
|---------------------|-------------------------------------------------------------------------------------|----------|
| EVVCIN1-KOT-H-STROP | Ceiling mounting kit for horizontal installation                                    | 243,18   |
| EVVCIN1-KOT-H-STENA | Wall-mounting kit for horizontal installation                                       | 467,53   |
| EVVCIN1-KOT-H-ZAVES | Barrier mounting bracket with threaded rods (not supplied)                          | 51,77    |
| EVVCIN1-KOT-V-STENA | Wall bracket for vertical mounting                                                  | 152,18   |
| EVVCIN1-KOT-V-ZEM   | Fixed bracket for vertical mounting (2 pieces)                                      | 31,38    |
| EVVCIN1-KOT-V-PODST | Swivelling pedestal for vertical mounting                                           | 662,08   |
| EVSTRA1-050L22      | 5-speed controller, 5 amps (max. 3 fans)                                            | 652,67   |
| EVSTRA1-075L22      | 5-speed controller, 7,5 amps (max. 3 fans)                                          | 831,52   |
| EVSTRA1-160L20      | 5-speed controller, 16 amps (max. 3 fans)                                           | 2.609,10 |
| EVVCIN-CP13         | Single-speed control unit for barriers and heaters (up to 13 fans)                  | 2.609,10 |
| EVSTYKAC-25         | Electrical resistance contactor box for barriers Models 150 and 200 (1 for barrier) | 635,41   |
| EVSTYKAC-40         | Electrical resistance contactor box for barriers Models 250 (1 for barrier)         | 983,70   |
| EVDS                | Door-opening switch                                                                 | 186,70   |
| EVFI-PYTEL-KRUH     | Fan filter                                                                          | 91,00    |