



KP/BB Air Curtains

Air curtains for doors and gates are used for protection against outdoor air intake at gates and constructional holes and in doors in halls of industrial plants, storerooms, department stores etc. . They are fitted for deriving and heating air from outside a room. They may also be used without heating air as so called “cold” curtains. The curtains are fitted for installation at gates at the height of 2÷6 m. They may be positioned above gates or at the their sides. Several curtains in a row may be used.

DESCRIPTION

PRODUCT DESCRIPTION

The curtains consist of:

- housing made of galvanized sheet (with possibility of painting) with intake crack along the whole length
- water or heater electric heater (only sizes 01, 02)
- axial-flow fans (2,3,4 or 5)

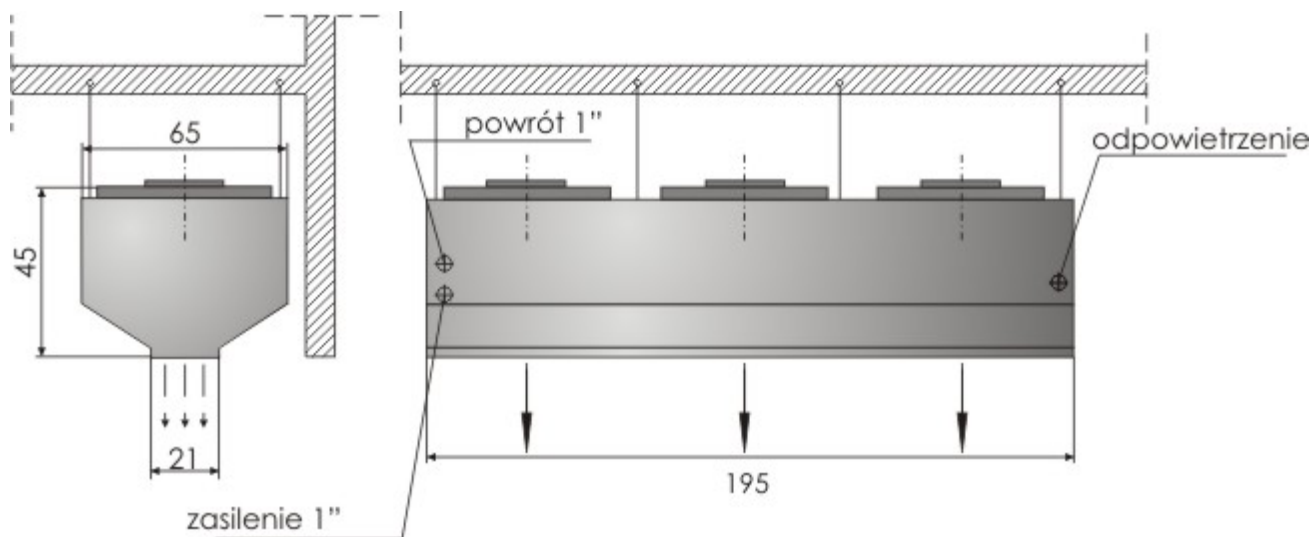
The curtains are offered in two variants A and B, with five sizes in each. Each size of a curtain is manufactured in several lengths. B variant with increased spacing of fans and with less quantity of air is meant for milder conditions of the curtain operation.

WORKING CONDITIONS

The curtains allow for air speed at the floor within the limits of 2,5 ÷ 6 m/s. The water heaters are supplied with water with the temperature of 150°C or lower and the pressure of up to 1,5MPa.

KP/BB-A-2-195-W

DIMENSIONS



Parameters of fans in curtains

| | | |
|-------------------|------|------|
| Number of fans | 3 | |
| Voltage [V] | 230 | 400 |
| Motor power [kW] | 0,61 | 0,54 |
| Current [A] | 2,8 | 1,05 |
| Revolutions [rpm] | 1310 | 1360 |

Air flow of the curtains with the water heater

| Air flow of the curtains with the water heater | | | | |
|--|-----------------------|------|-------|-----|
| Air flow [m³/h] | | | 16500 | |
| Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa] | | | | |
| Water temp. [°C] | Inflow air temp. [°C] | kW | °C | kPa |
| 90/70 | 5 | 89,6 | 20 | 5,0 |
| | 10 | 81,4 | 24 | 4,3 |
| | 15 | 73,3 | 28 | 3,2 |
| 80/60 | 5 | 73,7 | 17 | 3,2 |
| | 10 | 65,9 | 21 | 2,7 |
| | 15 | 58,2 | 25 | 2,4 |

| | | | | |
|--------------|-----------|------|----|-----|
| 70/50 | 5 | 58,5 | 15 | 2,4 |
| | 10 | 51,2 | 18 | 1,9 |
| | 15 | 44,1 | 22 | 1,5 |
| 60/40 | 5 | 44,3 | 12 | 1,5 |
| | 10 | 37,5 | 16 | 1,2 |
| | 15 | 30,9 | 20 | 0,9 |

| Operational noise level [dB(A)] | |
|---------------------------------|-----|
| From distance of 5m | 66 |
| Curtain weight | |
| Weight [kg] | 129 |