

# AR220W Air curtain

Article number: 2437



## Description

### Recessed air curtain for smaller entrances

AR200 is a compact air curtain, suitable for most small entrances. A low height makes it possible to install AR200 where ceiling space is limited. The recessed installation and low sound level makes AR200 very discreet.

- Recommended installation height 2,5 m\*
- Recessed mounting
- Must be supplemented with SIRE control system; Basic (SIREBN), Competent (SIREACY) or Advanced (SIREAAY).
- AR200A/W **must also** be supplemented with the **external PC Board SIREB1XAW**.
- AR200E **must also** be supplemented with the **external PC Board SIREB1XAE**.

\*) Recommended installation...

Find more details in our online catalogue

## Technical parameters

Installation	
Type of installation	Horizontal
Maximum installation height	2,500 mm
Nominal data	
Color casing	Traffic white
Color casing, RAL	RAL 9016
Color, outlet grilles	Telegrey 2
Color outlet grilles, RAL	RAL 7046
Enclosure class	IP20
Ambient working temperature (dry conditions)	-20 to 30 °C
Dimensions and weights	
Length	2,042 mm
Height	198 mm
Depth	392 mm
Weight	34 kg
Air flow	
Air flow	2000; 1700; 1400 m <sup>3</sup> /h
Sound data	
Sound level	53; 49; 44 dB(A)
Sound power level LWA	70 dB(A)
Motor/control supply	
Control/motor supply	230 V
Phases, motor	1~
Control/motor current	1 A
Input power (P1), motor	180 W
Maximum fan impeller speed	1,350 rpm

Water data	
Water heating full output 80/60 °C, air +18 °C	13 kW
Pressure drop water 80/60 °C, air +18 °C	15 kPa
Water temperature	max 130 °C
Maximum working pressure	8 bar
Water volume inside coil	1.1 L
Dimension water connections	DN15 (G 1/2") Inside thread

Parameter	
Power	12.56 kW
Air flow	2000 m³/h
Inlet air temperature	20 °C
Outlet air temperature	38 °C
Water flow	0.153 l/s
Air pressure drop	12 Pa
Inlet air humidity	70.0 % r.H
Outlet air humidity	24.0 % r.H
Water pressure drop	13.8 kPa
Inlet fluid temperature	80 °C
Outlet water temperature	60 °C
Fluid	fluidType_0
Glycol	-

## Accessories

PA34CB20 Ceiling brackets (18060)  
 PA34VD20 Vibration damper (18066)  
 SIREAAY Advanced control (33490)  
 SIREACY Competent control (33488)  
 SIREB1XAW Ext. PC board (74062)  
 TRV20 3-way valve DN20 (10005)  
 VLP15NF Valve system DN15 (79376)  
 VLP25 Valve system DN25 (79378)  
 VLSP15LF Valve system DN15LF (79379)  
 VLSP20 Valve system DN20 (79381)  
 VLSP32 Valve system DN32 (79417)  
 VMT20 Valve kit DN20 (19035)  
 VOT15 Valve kit DN15 (19031)  
 VOT25 Valve kit DN25 (19033)

PA34TR20 Threaded bars (18057)  
 SD20 Actuator on/off 230V (10073)  
 SIREAAZ Advanced control (33491)  
 SIREACZ Competent control (33489)  
 SIREBN Basic control system (33481)  
 VLP15LF Valve system DN15LF (79375)  
 VLP20 Valve system DN20 (79377)  
 VLP32 Valve system DN32 (79416)  
 VLSP15NF Valve system DN15 (79380)  
 VLSP25 Valve system DN25 (79382)  
 VMT15 Valve kit DN15 (19034)  
 VMT25 Valve kit DN25 (19036)  
 VOT20 Valve kit DN20 (19032)  
 VR20 Valve kit DN20 (10089)

## Documents

Catalogue pages AR200  
 Product leaflet Control system SIRE  
 Product leaflet valves  
 Manual AR200  
 Manual SIREB1X  
 3D MODEL (TURNT0OL) AR200.TNT  
 AR220W.dxf  
 Declaration of Conformity AR200  
 ENVIRONMENTAL FACTS AR200-300, ADR200-300.PDF  
 UKCA Declaration AR200  
 WD\_FRICO\_AR200\_CB30N\_32N\_170420.PDF