

# PA3510WH IPX4 AIR CURTAIN

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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	Water heat
Length	1039 mm
Height	306 mm
Depth	525 mm
Weight	42 kg
Max. installation height	3500 mm
Color casing	RAL 9016, NCS S 0500-N
Color, outlet grilles	RAL 7046
Protection class	IP21
Ambient working temperature range (dry conditions)	-20-30 °C
Air flow	
Air flow step 5	1900 m³/h
Air flow step 4	1750 m³/h
Air flow step 3	1450 m³/h
Air flow step 2	1250 m³/h
Air flow step 1	950 m³/h

Sound data		
Sound power level LWA	76	dB(A)
Sound level step 5	60	dB(A)
Sound level step 4	58	dB(A)
Sound level step 3	54	dB(A)
Sound level step 2	50	dB(A)
Sound level step 1	43	dB(A)
Control/motor data		
Control/motor supply	230	V
Phase	1	~
Control/motor current, 50Hz	2,35	A
Control/motor current, 60Hz	2,9	A
Motor power 50Hz	540	W
Motor power 60Hz	650	W
Heater		
Max. water temperature	110	°C
Max. working pressure	16	bar
Dimension water connections	DN20	
Water content in coil	1,14	l
Water heating full output 80/60 °C, air +18 °C	10,6	kW
Pressure drop water 80/60 °C, air +18 °C	11,4	kPa

## Accessories









### Electric accessories

- [SIREDC Door contact \(17495\)](#)
- [SIRERTX Room sensor \(17539\)](#)
- [SIRECC603 3m Modular cable \(17542\)](#)
- [SIRECC605 5m Modular cable \(17543\)](#)
- [SIRECC610 10m Modular cable \(17544\)](#)
- [SIRECC615 15m Modular cable \(17545\)](#)
- [SIRECC640 40m RJ12 on. cable \(17773\)](#)
- [SIREACY Competent kit \(33488\)](#)
- [SIREAAY Advanced kit \(33490\)](#)
- [SIREBN Basic kit \(33481\)](#)
- [SIREACZ Competent kit \(33489\)](#)
- [SIREAAZ Advanced kit \(33491\)](#)

## Accessories

[SIREWTA Sensor \(17613\)](#)  
[VOSP15LF valve kit \(17522\)](#)  
[VOSP15NF valve kit \(17523\)](#)  
[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 \(18056\)](#)  
[PA34DW10 Design kit wall \(110834\)](#)  
[SD230 Actuator 230V \(16979\)](#)  
[ST23024 Transformer for 24V \(16981\)](#)  
[DTV200S Filterguard 20-300 Pa \(17597\)](#)  
[VLP15LF Valve system \(79375\)](#)  
[VLP15NF Valve system \(79376\)](#)  
[VLP20 Valve system \(79377\)](#)  
[VLP25 Valve system \(79378\)](#)  
[VLSP15LF Valve system \(79379\)](#)  
[VLSP15NF Valve system \(79380\)](#)  
[VLSP20 Valve system \(79381\)](#)  
[VLSP25 Valve system \(79382\)](#)  
[VLP32 Valve system \(79416\)](#)  
[VLSP32 Valve system \(79417\)](#)  
[SDM24 Actuator 24V \(16977\)](#)

## 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 \(345,98kB\)](#)
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-  [wd\\_frico\\_pa3500\\_gb.pdf \(168,30kB\)](#)
- 
-  [DoC Air curtains\\_gb 2017-04.pdf \(224,51kB\)](#)
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-  [pa3510w-3D\\_1.dwg \(288,85kB\)](#)
-  [pa3510w-2D\\_1.dwg \(165,95kB\)](#)

## Coil calculation

		80/60°C High temp. coil	82/71°C High temp. coil	90/70°C High temp. coil	130/70°C High temp. coil
Heating capacity highest airflow (+15°C in room)	kW	10,9	12,8	13,1	15,7
Outgoing air temperature (+15°C in room)	°C	33	36	36	41
Water flow (+15°C in room)	l/s	0,13	0,28	0,16	0,07
Pressure drop water (+15°C in room)	kPa	12,0	46,6	16,4	3,8

		80/60°C High temp. coil	82/71°C High temp. coil	90/70°C High temp. coil	130/70°C High temp. coil
Heating capacity highest airflow (+20°C in room)	kW	9,8	11,6	12,0	14,5
Outgoing air temperature (+20° in room)	°C	36	39	40	44
Water flow (+20°C in room)	l/s	0,12	0,26	0,15	0,06
Pressure drop water (+20°C in room)	kPa	9,9	39,2	13,9	3,3

## Specification text

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