



## PA2500

Stylish air curtain for entrances, with intelligent control

Recommended installation height 2,5 m\*

PA2500 creates a temperature dividing air barrier that effectively prevents cold drafts and gives excellent heating comfort in door ways, such as shops, offices and public premises.

- 3 fan steps and 3 electrical heating steps, which give more even comfort and extra energy savings.
- Wall brackets included.
- The front is easy to remove, which facilitates installation and allows easy maintenance.
- Corrosion proof housing made of hot zinc-plate and powder enamelled steel panels. Plastic ends. Colour front: white, RAL 9016, NCS S 0500-N. Colour grille, rear section, ends and brackets: grey, RAL 7046.



Optimized airflow with Thermozone technology.

### ✿ Ambient, no heat - PA2500 A (IP21)

Type	Output [kW]	Airflow* <sup>1</sup> [m <sup>3</sup> /h]	Sound power* <sup>2</sup> [dB(A)]	Sound pressure* <sup>3</sup> [dB(A)]	Voltage motor [V]	Amperage motor [A]	Length [mm]	Weight [kg]
PA2510A	0	900/1300	70	43/53	230V~	0,5	1050	16
PA2515A	0	1250/2100	71	44/54	230V~	0,7	1560	23,5
PA2520A	0	1800/2600	72	44/55	230V~	1,0	2050	32

### ⚡ Electrical heat - PA2500 E (IP20)

Type	Output steps [kW]	Airflow* <sup>1</sup> [m <sup>3</sup> /h]	Δt* <sup>4</sup> [°C]	Sound power* <sup>2</sup> [dB(A)]	Sound pressure* <sup>3</sup> [dB(A)]	Voltage motor [V]	Amperage motor [A]	Voltage [V] Amperage [A] (heat)	Length [mm]	Weight [kg]
PA2510E05	1,7/3,3/5	900/1450	17/10,5	68	42/51	230V~	0,5	400V3~/7,2	1050	19
PA2510E08	3/5/8	900/1450	27/16,5	68	42/51	230V~	0,5	400V3~/11,5	1050	20
PA2515E08	2,7/5,4/8	1400/2200	17,5/11	69	40/52	230V~	0,7	400V3~/11,5	1560	30
PA2515E12	3,9/8/12	1400/2200	26/16,5	69	40/52	230V~	0,7	400V3~/17,3	1560	32
PA2520E10	3,4/6,7/10	1800/2900	17/10,5	70	43/53	230V~	1,0	400V3~/14,4	2050	36
PA2520E16	6/10/16	1800/2900	27/16,5	70	43/53	230V~	1,0	400V3~/23,1	2050	40

### 💧 Water heat - PA2500 W (IP21)

Type	Output* <sup>5</sup> [kW]	Airflow* <sup>1</sup> [m <sup>3</sup> /h]	Δt* <sup>4,5</sup> [°C]	Water volume [l]	Sound power* <sup>2</sup> [dB(A)]	Sound pressure* <sup>3</sup> [dB(A)]	Voltage motor [V]	Amperage motor [A]	Length [mm]	Weight [kg]
PA2510W	4,7	900/1300	12/11	0,71	69	42/53	230V~	0,45	1050	17,5
PA2515W	9,2	1250/2100	16/13	1,09	70	41/54	230V~	0,6	1560	26
PA2520W	11	1800/2600	15/13	1,42	71	43/55	230V~	0,9	2050	35

\*<sup>1</sup>) Lowest/highest airflow of totally 3 fan steps.

\*<sup>2</sup>) Sound power ( $L_{WA}$ ) measurements according to ISO 27327-2: 2014, Installation type E.

\*<sup>3</sup>) Sound pressure ( $L_{pA}$ ). Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m<sup>2</sup>. At lowest/highest airflow.

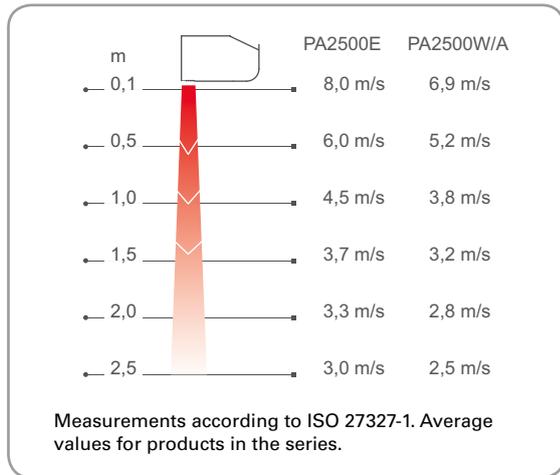
\*<sup>4</sup>) Δt = temperature rise of passing air at maximum heat output and lowest/highest airflow.

\*<sup>5</sup>) Applicable at water temperature 60/40 °C, air temperature, in +18 °C.

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

# PA2500

## Air velocity profile

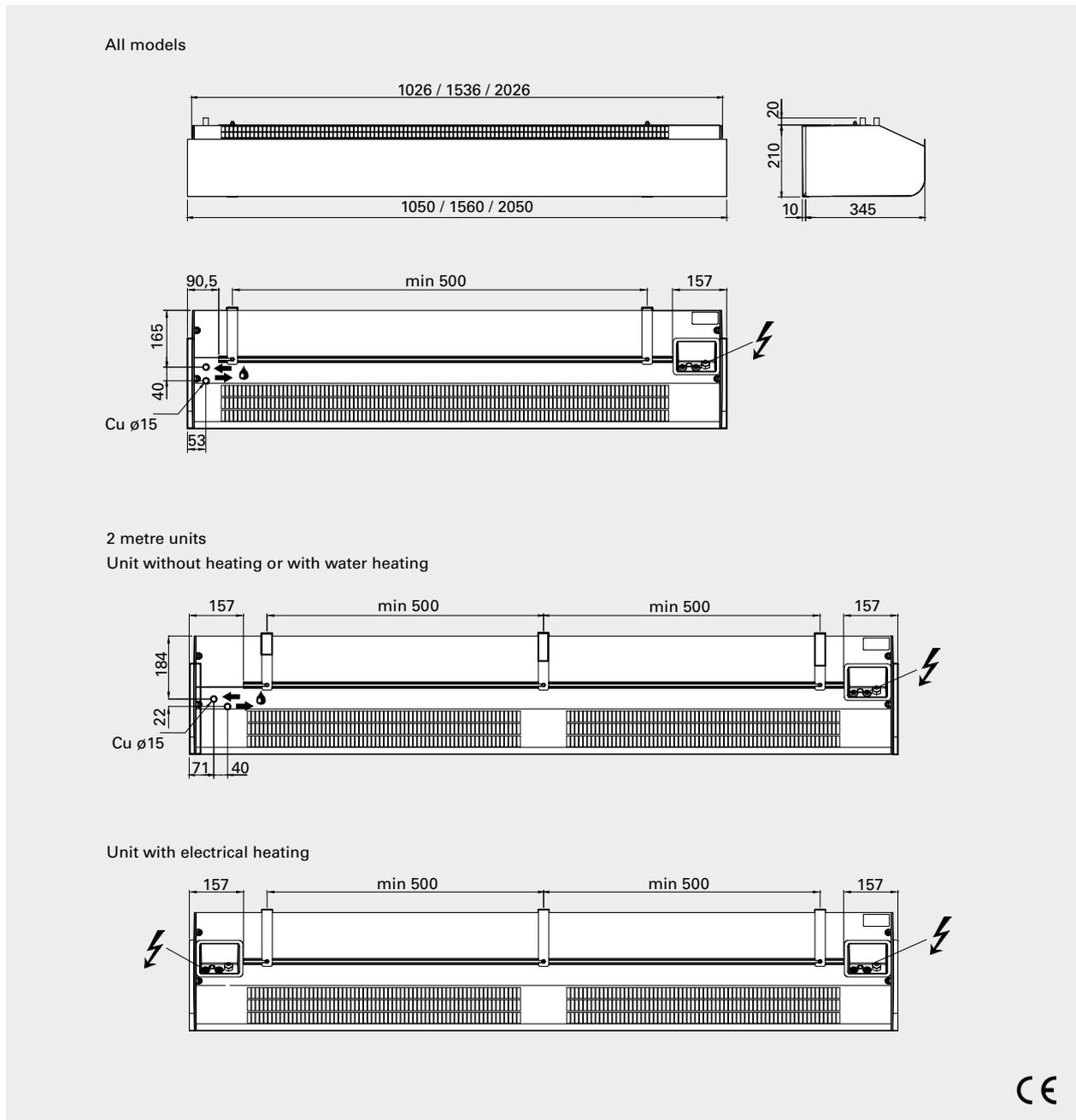


## Control

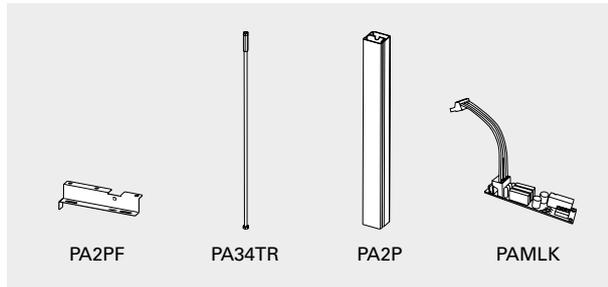
SIRe Basic      SIRe Competent      SIRe Advanced

This air curtain is supplied prepared for the SIRe control system that has many smart and energy saving functions. There are three different levels with different functionality to choose from, Basic, Competent or Advanced. Water heated units must always be supplemented with valves. For further information and options, see the "Controls" section.

## Dimensions



## Accessories



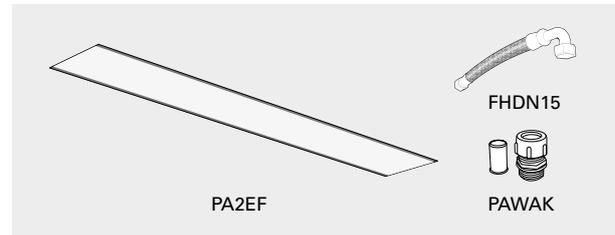
**PA2PF**, ceiling mounting brackets  
Mountings for installing the unit in the ceiling using hanging brackets or threaded bars (not included).

**PA34TR**, threaded bars  
Threaded bars for installing unit on to a ceiling. Length 1 m. Used together with ceiling mounting brackets PA2PF/PA3PF.

**PA2P**, hanging brackets  
Hanging brackets for installing the unit suspended from the ceiling. Length 1 m. The hanging brackets are covered by a white plastic trim to cover the cables. The brackets may be cut to shorter length, if required. Used together with ceiling mounting brackets PA2PF/PA3PF.

**PAMLK**, motor alarm board  
Accessory allows connection for a motor alarm signal in units where this facility is not already available. PAMLK plugs between motor wiring harness and main PC board. For units with SIRE control (PA2500, AR3200) connection enables use of the provided motor protection terminals. For units without SIRE (PA2200/3200C, AR3200C), use potential free contact on PAMLK board.

## Unit with water heating



**PA2EF**, external intake filter  
Fine mesh filter that prevents ingress of dirt and deposits to water heated units. The filter is easy to attach and remove thanks to the integrated magnetic strips. Makes maintenance easier since the unit does not need to be opened.

**PAWAK**, water connection kit  
Kit with pipe connections with compression fitting on one end and outside thread (1/2" DN15) on the other to facilitate the connection of the plain copper pipes at the water coil.

**FHDN15**, flexible hoses  
Flexible hoses for easy and practical installation of water heated unit. Used together with water connection kit PAWAK or similar. DN15.

Type	Description	Quantity included	Length
<b>PA2PF15</b>	Ceiling mounting brackets for 1 and 1,5 metre units	4	
<b>PA2PF20</b>	Ceiling mounting brackets for 2 metre units	6	
<b>PA34TR15</b>	Threaded bars for 1 and 1,5 metre units	4	1 m
<b>PA34TR20</b>	Threaded bars for 2 metre units	6	1 m
<b>PA2P15</b>	Hanging brackets for 1 and 1,5 metre units	2	1 m
<b>PA2P20</b>	Hanging brackets for 2 metre units	3	1 m
<b>PAMLK</b>	Motor alarm board	1	
<b>PA2EF10</b>	External intake filter for 1 metre water heated units	1	
<b>PA2EF15</b>	External intake filter for 1,5 metre water heated units	1	
<b>PA2EF20</b>	External intake filter for 2 metre water heated units	1	
<b>PAWAK</b>	Water connection kit		
<b>FHDN15</b>	Flexible hoses DN15, inside thread, 90° bend	2	1 m

For mounting, connection, wiring diagrams and other technical information, please see the manual.