







-  Ambient, no heat
-  Electrical heat 8–18 kW
-  Water heat

Lengths: 1 and 1,7 metres 

Thermozone® AC/WAC 300/400

Air curtains for entry doors between 2,5 - 4,0 metres

The Thermozone AC/WAC300/400 range consists of both heated and ambient versions and hot water heated WAC models.

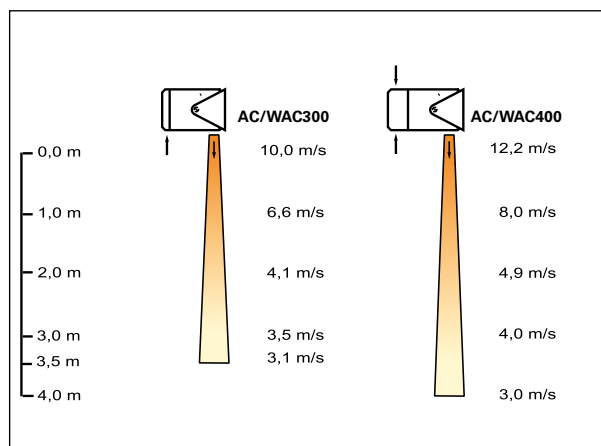
AC/WAC300/400 are designed for permanent horizontal installation above doorways with heights between 2,5 and 4,0 metres or positioned vertically beside the doorway when overdoor space is limited. They can be surface mounted or recessed into a false ceiling. A jet of air from the air curtain prevents cold draughts through open doorways and increases comfort levels in the proximity of the door. The ambient versions have been specifically designed for cold store applications and entrances to airconditioned buildings to prevent the loss of refrigerated air.

The use of a Thermozone 300/400 air curtain enables the use of floor space close to the doorway and can significantly reduce energy losses giving large savings. The Thermozone 300/400 range can also be used for industrial heating and drying applications. For wide doorways, several units can be mounted next to each other and regulated with a common thermostat and control panel.

For doorways with ceiling mounted sliding doors, adaptation sets are available that direct the airflow close to the opening.

- Corrosion proof housing made of hot zinc-plated and powder enamelled steel panels. Colour: RAL 9016.
- Compact design for installation where space is limited.
- Adjustable mounting brackets for optimisation of air stream.
- The connection areas are easily accessed through a large service hatch.
- The sound-absorbing front plate can be turned to allow air intake either from above or from below.
- The narrow outlet which gives a high impulse, is angled 10° outwards for optimal performance.

Air velocity profile



Technical specifications | Thermozone AC 300/400 without heat

Type	Output steps [kW]	Airflow [m³/h]	Sound level [dB(A)]	Voltage [V]	Amperage [A]	Length [mm]	Weight [kg]
AC301	0	900/1800	44/62	230V~	1,6	1000	39
AC302	0	1300/2700	45/63	230V~	2,5	1670	57
AC401	0	1350/2700	44/62	230V~	2,5	1000	44
AC402	0	2250/4500	45/63	230V~	4,2	1670	71

Protection class AC300/400 without heat: (IP24), splash-proof design.

Technical specifications | Thermozone AC 300/400 with electrical heat

Type	Output steps [kW]	Airflow [m³/h]	Δt^{*1} [°C]	Sound level [dB(A)]	Voltage [V]/ Amperage [A] (control)	Voltage [V] Amperage [A] (heat)	Length [mm]	Weight [kg]
AC308	0/4/8	900/1800	27/13	44/62	230V~/1,6A	400V3~/11,6A	1000	44
AC312	0/6/12	1300/2700	27/13	45/63	230V~/2,5A	400V3~/17,3A	1670	64
AC412	0/12	1350/2700	27/13	44/62	230V~/2,5A	400V3~/17,3A	1000	54
AC418	0/18	2250/4500	27/13	45/63	230V~/4,2A	400V3~/26,0A	1670	86

*1) Δt = temperature rise of passing air at maximum heat output and lowest/highest airflow.

Protection class AC300/400 with electrical heat: (IP24), splash-proof design.

Technical specifications | Thermozone WAC 300/400 with water heat

Type	Airflow [m³/h]	Water volume [l]	Sound level [dB(A)]	Voltage [V]	Amperage [A]	Length [mm]	Weight [kg]
WAC301	800/1700	2,5	44/62	230V~	1,6	1000	51
WAC302	1200/2500	3,5	45/63	230V~	2,5	1670	74
WAC301V	800/1700	2,5	44/62	230V~	1,6	1000	51
WAC302V	1200/2500	3,5	45/63	230V~	2,5	1670	74
WAC401	1050/2400	2,5	44/62	230V~	2,5	1000	52
WAC402	1800/4000	3,5	45/63	230V~	4,2	1670	83
WAC401V	1050/2400	2,5	44/62	230V~	2,5	1000	52
WAC402V	1800/4000	3,5	45/63	230V~	4,2	1670	83

For vertical mounting: WAC301V/401V and WAC302V/402V

Protection class WAC300/400 with water heat: (IP24), splash-proof design.

Approved by SEMKO and CE compliant. WAC301V and WAC302V are CE compliant.