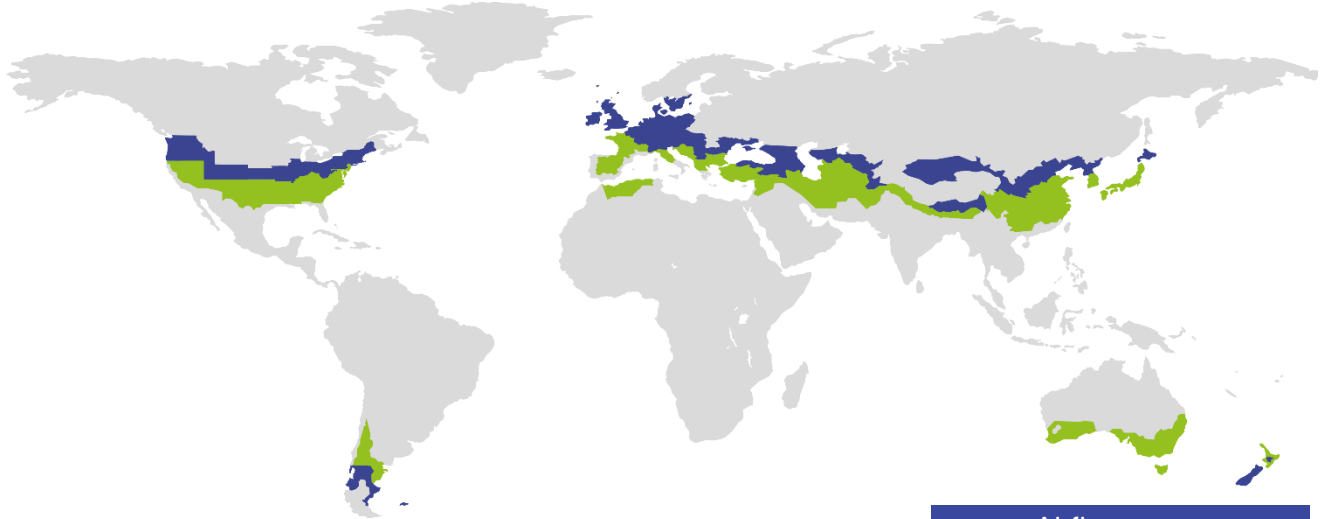


# CERTIFICATE

Certified Passive House Component

Component-ID 0240vI03 / 0012vI03 valid until 31st December 2022

Passive House Institute  
Dr. Wolfgang Feist  
64283 Darmstadt  
Germany



Category: **Air handling unit with heat recovery**  
Manufacturer: **J. PICHLER Gesellschaft m.b.H.**  
**Austria**  
Product name: **LG 1400 System VENTECH**  
Specification: Airflow rate > 600 m<sup>3</sup>/h  
Heat exchanger: Recuperative

**This certificate was awarded based on the product meeting the following main criteria**

Heat recovery rate	$\eta_{HR}$	$\geq$	75 %
Specific electric power	$P_{el,spec}$	$\leq$	0.45 Wh/m <sup>3</sup>
Leakage		$<$	3 %
Performance number		$\geq$	10
Comfort			Supply air temperature $\geq$ 16.5 °C at outdoor air temperature of -10 °C

<sup>1)</sup> The real available external pressure with installed filters for application in non-residential buildings makes **185 Pa**.

<sup>2)</sup> The real available external pressure with installed filters for application in non-residential buildings makes **153 Pa**.

Additional components, e.g. heating coils, decrease the available pressure difference accordingly.

## Airflow range

350-1100 m<sup>3</sup>/h  
at an external pressure of  
228 Pa <sup>1)</sup>  
(Requirements non-residential  
buildings)  
350-1200 m<sup>3</sup>/h  
at an external pressure of  
198 Pa <sup>2)</sup>  
(Requirements residential  
buildings)

## Heat recovery rate

$\eta_{HR} = 83$  % (non-residential)  
 $\eta_{HR} = 82$  % (residential)

## Specific electric power

$P_{el,spec} = 0.39$  Wh/m<sup>3</sup>  
(non-residential)  
 $P_{el,spec} = 0.38$  Wh/m<sup>3</sup>  
(residential)

## Performance number

10.8 (non-residential)  
11.3 (residential)

cool, temperate climate



**CERTIFIED  
COMPONENT**

Passive House Institute