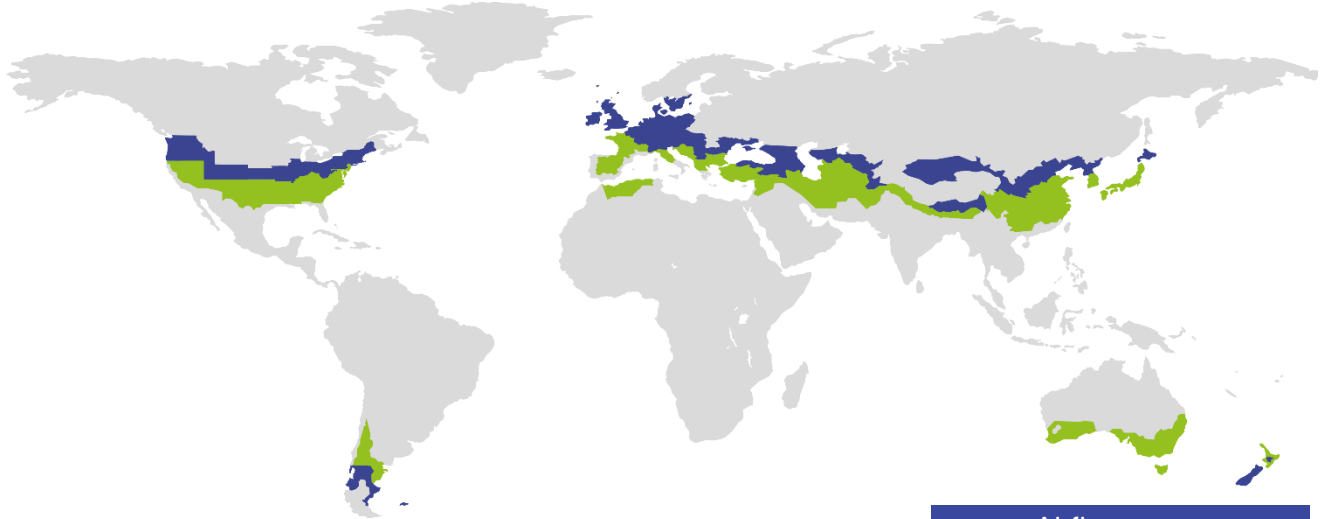


CERTIFICATE

Certified Passive House Component

Component-ID 0240vI03 / 0012vI03 valid until 31st December 2019

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 m³/h
Heat exchanger: Recuperative

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

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

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

²⁾ 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 m³/h
at an external pressure of
228 Pa ¹⁾
(Requirements non-residential
buildings)
350-1200 m³/h
at an external pressure of
198 Pa ²⁾
(Requirements residential
buildings)

Heat recovery rate

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

Specific electric power

$P_{el,spec} = 0.39$ Wh/m³
(non-residential)
 $P_{el,spec} = 0.38$ Wh/m³
(residential)

Performance number

10.8 (non-residential)
11.3 (residential)

cool, temperate climate



**CERTIFIED
COMPONENT**

Passive House Institute