

I. Product specification

1. Overview

- The HexWall system is a solution for installations that require high air flow rates
- High air flow is achieved by connecting several heat exchangers in parallel of the entire system
- High heat recovery results allow to meet stringent requirements such as ECO design
- High energy recovery results allow to compensate for the electricity consumption of fans in AHU (shorter footprint)

2. Operational assumptions

- A single counterflow heat exchanger allows you to use only a certain amount of outside air. In the counterflow heat exchanger core, air flows are passed through each other along parallel plates in the opposite direction to the flow. This allows to achieve higher temperature efficiency than using a cross-flow exchanger core. Two parallel plates build a channel for fresh and exhaust air streams. Thermal energy is transferred when partial air flows flow crosswise through the ducts and the fresh air flow and air outlet are completely separated.

3. Construction

- The HexWall system uses individual devices to create one block that can be immediately installed in the AHU's without prior preparation. Precisely constructed casing separates air streams so that it do not mix, while air flow is still like in counterflow heat exchanger.

4. Easy installation & maintaining

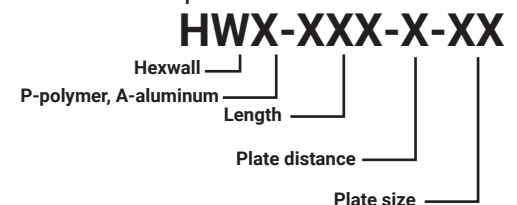
- Access to the calculation program dedicated to installers, constructors and investors
- Guarantee of the declared results of the entire system, not just its individual components.

II. Dimensions [mm]

- In every model of HexWall bypass is located on TOP

Model	Material type	Length [mm]	Casing dimension [mm]
HWP-600-3-31	Polymer	519	631/836
HWP-700-3-31	Polymer	594	631/836
HWP-800-3-31	Polymer	866	631/930
HWP-900-3-31	Polymer	776	943/976
HWP-1000-3-31	Polymer	851	943/976
HWP-1100-3-31	Polymer	1166	943/1070
HWP-1200-3-31	Polymer	1036	1255/1116
HWP-1300-3-31	Polymer	1106	1255/1116
HWP-1400-3-31	Polymer	1191	1255/1116
HWP-1500-3-31	Polymer	1295	1567/1259
HWP-1600-3-31	Polymer	1366	1567/1259
HWP-1700-3-31	Polymer	1446	1567/1259
HWP-1800-3-31	Polymer	1868	1567/1443
HWP-1900-3-31	Polymer	1618	1879/1444
HWP-2000-3-31	Polymer	1703	1879/1444
HWP-2200-3-31	Polymer	1874	2191/1584
HWP-2400-3-31	Polymer	2043	2191/1584
HWP-600-2-31	Polymer	519	631/836
HWP-700-2-31	Polymer	594	631/836
HWP-800-2-31	Polymer	866	631/930
HWP-900-2-31	Polymer	776	943/976
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HWP-1300-2-31	Polymer	1106	1255/1116
HWP-1400-2-31	Polymer	1191	1255/1116
HWP-1500-2-31	Polymer	1295	1567/1259

The Hexwall product code instruction

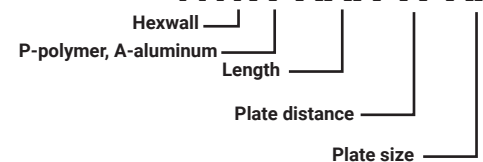


HWP-1600-2-31	Polymer	1366	1567/1259
HWP-1700-2-31	Polymer	1446	1567/1259
HWP-1800-2-31	Polymer	1868	1567/1443
HWP-1900-2-31	Polymer	1618	1879/1444
HWP-2000-2-31	Polymer	1703	1879/1444
HWP-2200-2-31	Polymer	1874	2191/1584
HWP-2400-2-31	Polymer	2043	2191/1584
HWA-600-2-31	Aluminum	519	631/836
HWA-700-2-31	Aluminum	594	631/836
HWA-800-2-31	Aluminum	866	631/930
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HWA-2400-3-31	Aluminum	2043	2191/1584

*data and dimensions may be changed please contact for the individual drawing and data

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HWX-XXX-X-XX



III. HexWall construction

Casing - Separating Plate

Counterflow Heat Exchangers

Casing Base

