

I. Product specification

1. Overview

- The HexWall 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
- Each of the counterflow heat exchangers used in HexWall is independently certified by Eurovent

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

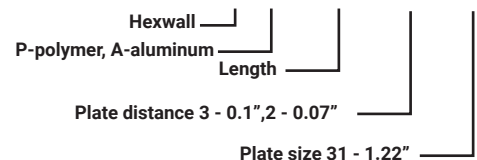
II. Dimensions [in]

- Bypass location - TOP

Model	Material type	Length [in]	Casing dimension [in]
HWP-600-3-31	Polymer	20.4	24.9/32.9
HWP-700-3-31	Polymer	23.4	24.9/34.7
HWP-800-3-31	Polymer	34.1	24.9/36.6
HWP-900-3-31	Polymer	30.1	37.2/38.4
HWP-1000-3-31	Polymer	33.7	37.2/40.2
HWP-1100-3-31	Polymer	45.9	37.2/42.1
HWP-1200-3-31	Polymer	40.8	49.5/43.9
HWP-1300-3-31	Polymer	43.5	49.5/45.7
HWP-1400-3-31	Polymer	47.1	49.5/47.5
HWP-1500-3-31	Polymer	51.1	61.5/49.6
HWP-1600-3-31	Polymer	53.7	61.5/49.6
HWP-1700-3-31	Polymer	56.9	61.5/49.6
HWP-1800-3-31	Polymer	73.6	61.7/56.8
HWP-1900-3-31	Polymer	63.5	72.1/56.7
HWP-2000-3-31	Polymer	67.1	72.1/58.6
HWP-2200-3-31	Polymer	73.6	86.4/62.3
HWP-2400-3-31	Polymer	80.6	86.4/65.9
HWP-600-2-31	Polymer	20.4	24.9/32.9
HWP-700-2-31	Polymer	23.4	24.9/34.7
HWP-800-2-31	Polymer	34.1	24.9/36.6
HWP-900-2-31	Polymer	30.1	37.2/38.4
HWP-1000-2-31	Polymer	33.7	37.2/40.2
HWP-1100-2-31	Polymer	45.9	37.2/42.1
HWP-1200-2-31	Polymer	40.8	49.5/43.9
HWP-1300-2-31	Polymer	43.5	49.5/45.7
HWP-1400-2-31	Polymer	47.1	49.5/47.5
HWP-1500-2-31	Polymer	51.1	61.8/49.4

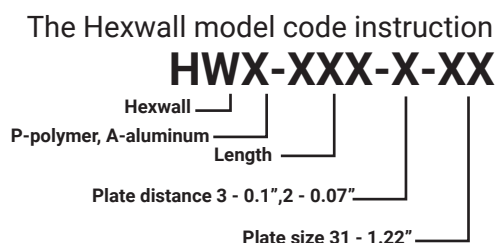
The Hexwall modelcode instruction

HWX-XXX-X-XX



HWP-1600-2-31	Polymer	53.7	61.5/49.6
HWP-1700-2-31	Polymer	56.9	61.5/49.6
HWP-1800-2-31	Polymer	73.6	61.7/56.8
HWP-1900-2-31	Polymer	63.5	72.1/56.7
HWP-2000-2-31	Polymer	67.1	72.1/58.6
HWP-2200-2-31	Polymer	73.6	86.4/62.3
HWP-2400-2-31	Polymer	80.6	86.4/65.9
HWA-600-2-31	Aluminum	20.4	24.9/32.9
HWA-700-2-31	Aluminum	23.4	24.9/34.7
HWA-800-2-31	Aluminum	34.1	24.9/36.6
HWA-900-2-31	Aluminum	30.1	37.2/38.4
HWA-1000-2-31	Aluminum	33.7	37.2/40.2
HWA-1100-2-31	Aluminum	45.9	37.2/42.1
HWA-1200-2-31	Aluminum	40.8	49.5/43.9
HWA-1300-2-31	Aluminum	43.5	49.5/45.7
HWA-1400-2-31	Aluminum	47.1	49.5/47.5
HWA-1500-2-31	Aluminum	51.1	61.8/49.4
HWA-1600-2-31	Aluminum	53.7	61.5/49.6
HWA-1700-2-31	Aluminum	56.9	61.5/49.6
HWA-1800-2-31	Aluminum	73.6	61.7/56.8
HWA-1900-2-31	Aluminum	63.5	72.1/56.7
HWA-2000-2-31	Aluminum	67.1	72.1/58.6
HWA-2200-2-31	Aluminum	73.6	86.4/62.3
HWA-2400-2-31	Aluminum	80.6	86.4/65.9
HWA-600-3-31	Aluminum	20.4	24.9/32.9
HWA-700-3-31	Aluminum	23.4	24.9/34.7
HWA-800-3-31	Aluminum	34.1	24.9/36.6
HWA-900-3-31	Aluminum	30.1	37.2/38.4
HWA-1000-3-31	Aluminum	33.7	37.2/40.2
HWA-1100-3-31	Aluminum	45.9	37.2/42.1
HWA-1200-3-31	Aluminum	40.8	49.5/43.9
HWA-1300-3-31	Aluminum	43.5	49.5/45.7
HWA-1400-3-31	Aluminum	47.1	49.5/47.5
HWA-1500-3-31	Aluminum	51.1	61.5/49.6
HWA-1600-3-31	Aluminum	53.7	61.5/49.6
HWA-1700-3-31	Aluminum	56.9	61.5/49.6
HWA-1800-3-31	Aluminum	73.6	61.7/56.8
HWA-1900-3-31	Aluminum	63.5	73.9/56.8
HWA-2000-3-31	Aluminum	67.1	72.1/58.6
HWA-2200-3-31	Aluminum	73.6	86.4/62.3
HWA-2400-3-31	Aluminum	80.6	86.4/65.9

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



III. HexWall construction

Casing - Separating Plate

Counterflow Heat Exchangers

Casing Base

