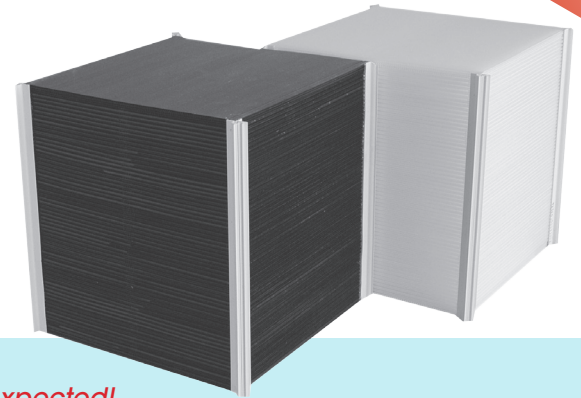


# PHE500

## PLATE EXCHANGER

**Unsurpassed corrosion resistance;  
exceptional cost**



*Ideal for pool applications or where large amount of condensation is expected!*

Entirely made of polypropylene plates, which offer outstanding corrosion and chemical resistance properties, our PHE500 plate exchangers feature unique qualities not found on any other type of exchanger.

Being highly customizable and offering our widest plate spacing selection, our PHE500 exchangers are a very good solution for small residential to quite large commercial applications. In addition, their simple construction along with Innergy tech's automated manufacturing equipment is your best insurance of a quality product always offered at a very competitive price.

### ▶ UL94 listed fire retardant polypropylene

Besides our standard polypropylene material, our PHE500 plate exchangers are also available using UL fire retardant polypropylene listed from UL 94HB to 94V2

### ▶ Features and benefits

- Best effectiveness versus price ratio
- Outstanding corrosion and chemical resistance
- Lightweight, compact design; easy to install
- No moving parts; no wear, always ready for operation
- Operating temperatures up to 140 °F
- Separate air streams; no cross contamination
- No external power required; no extra running costs
- AHRI Certified performances; bears the AHRI Standard 1060-2011 certified seal

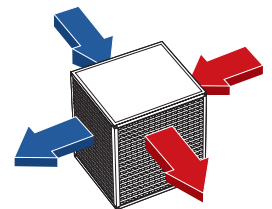
### ▶ Options

- Different corner extrusions
- Fire retardant polypropylenes
- Custom designs

### Operating Principle:

#### Summer operation

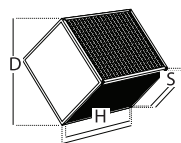
In summer operation, heat from the outside fresh air is transferred to the outgoing air, greatly reducing air-conditioning costs.



#### Winter operation

In winter, heat from the outgoing air is recovered and transferred to the fresh incoming air, greatly contributing to reduced heating costs.

### Dimensional data (in/mm)



Model	Square size (S)	Diagonal (D)	Height (H)
12S	12/305	17.2/437	Any
15S	15/381	21.5/545	Any
18S	18/457	25.7/653	Any
21S	21/533	29.9/761	Any
24S	24/610	34.6/878	Any
27S	27/685.8	38.8/986	Any
30S	30/762	43.1/1094	Any
33S	33/838.2	47.3/1201	Any
36S	36/914.4	51.5/1309	Any
42S	42/1066.8	60.0/1525	Any
48S	48/1219.2	68.5/1740	Any



setting the  
standard  
for **energy  
recovery**

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