



## EC/ECD SERIES



### FUNCTIONAL PRINCIPLE

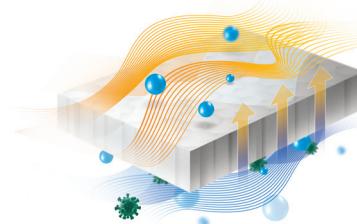
The enthalpy heat exchanger is based on the principle of membrane permeability. Due to its atomic structure, the permeable membrane transmits latent thermal energy of water vapor in addition to sensible thermal energy.

In winter, the supply air becomes humidified, while in summer it dehumidifies, thus keeping the room climate in a comfortable condition.



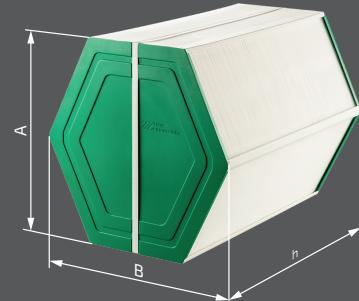
### MEMBRANE OVERVIEW

The polymer membrane used in plate enthalpy heat exchangers is made of a hybrid polymer material. The product has high thermal efficiency and moisture transfer, air tightness, as well as excellent mechanical strength, acid resistance and thermal stability.



### EC SIZES

Name	Geometry [mm]			Casing modification	Plate material
	A	B	h		
ECD-EX6 172	172	397	100-600	5/5.1	Membrane
EC-EX6 230	230	455	100-600	1/1.1/2/2.1/3/3.1	Membrane
EC-EX6 232	232	461	100-600	2/2.1	Membrane
EC-EX6 366	366	366	100-600	2/2.1	Membrane



### DESIGNATION KEY

**EC/ECD-EX6 - 366 / 100...600 - 2**

Commercial group	Height [mm]	Depth [mm]	
366	100...600	2	

#### Casing modification:

- 1 – aluzinc
- 1.1 – aluzinc + T-profile
- 2 – plastic
- 2.1 – plastic + T-profile
- 3 – aluminium
- 3.1 – aluminium + T-profile
- 5 – stainless steel
- 5.1 – stainless steel + T-profile

### ADVANTAGES



High sensible and latent efficiency



No condensation



For hot and cold humid climates



100% high quality



Simple to install and maintain



Competitive prices and production times