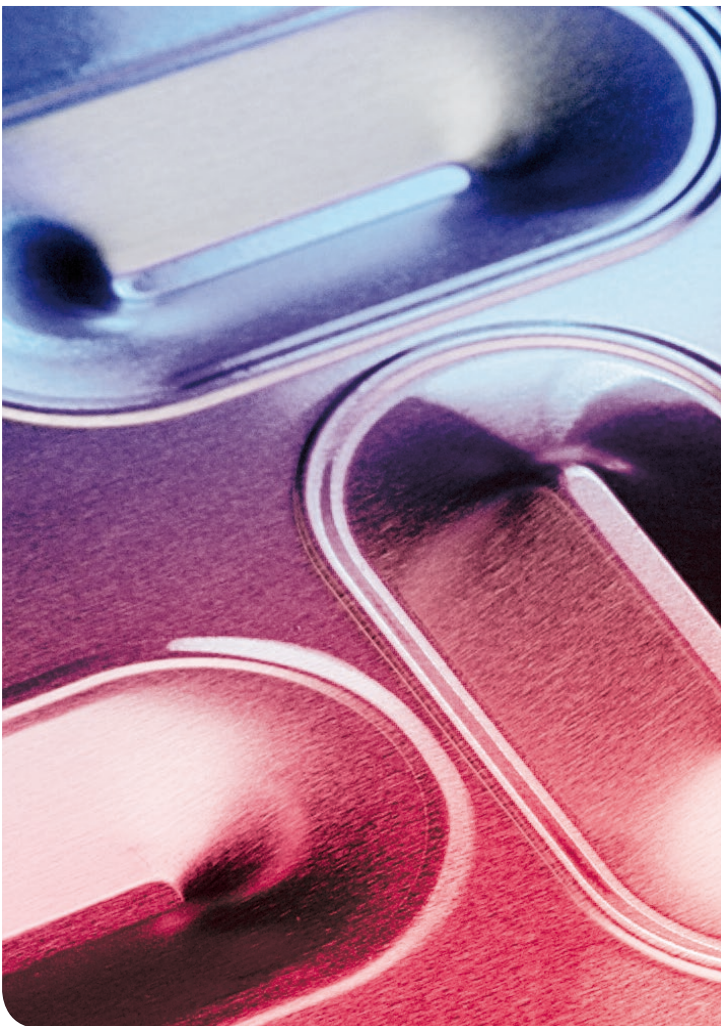




Crossflow plate heat exchanger Type PWT

Extremely robust and sealed



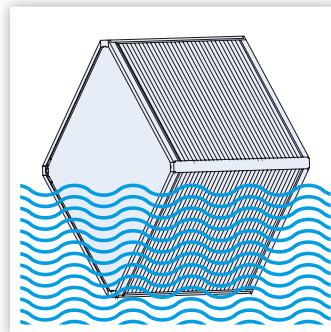
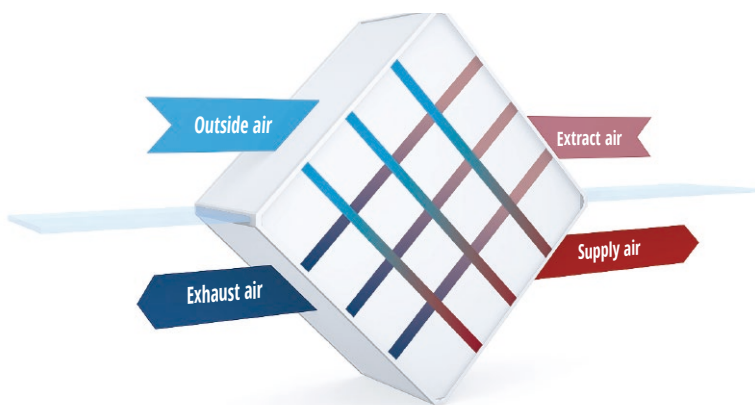
PWT Aluminium Crossflow Plate Heat Exchanger

PWT 400 - 1200

Plate heat exchangers are the preferred option in ventilation systems where any 'circulation' of air is undesirable. In other words, the incoming and outgoing airstreams are completely isolated and no moisture or odours can be transferred. Thus, plate heat exchangers are examples of recuperative energy recovery systems.

Application

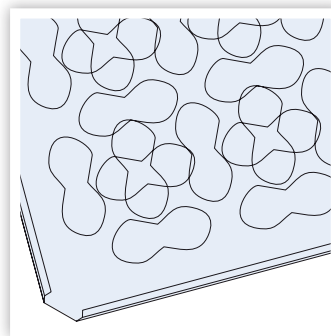
- Room ventilation systems
- Industrial ventilaton systems
- Total separation of supply and waste air
- Heat-recovery in winter
- Cooling-recovery in summer



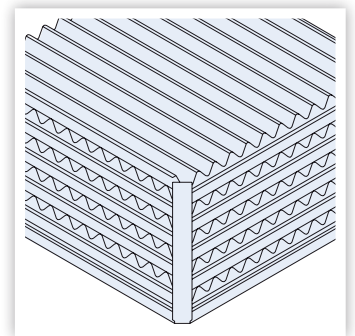
■ The heat exchangers consist of corrosion resistant aluminium foil



■ High tightness and strength thanks to double folding of the intake-flow edges (fivefold material thickness)

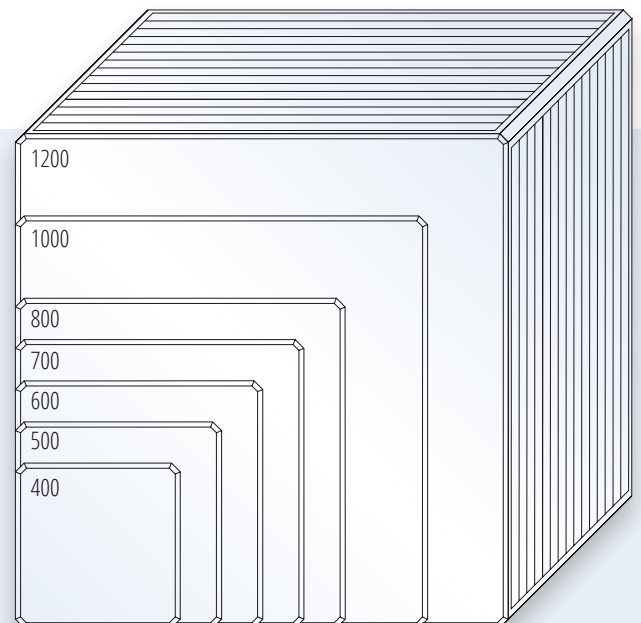
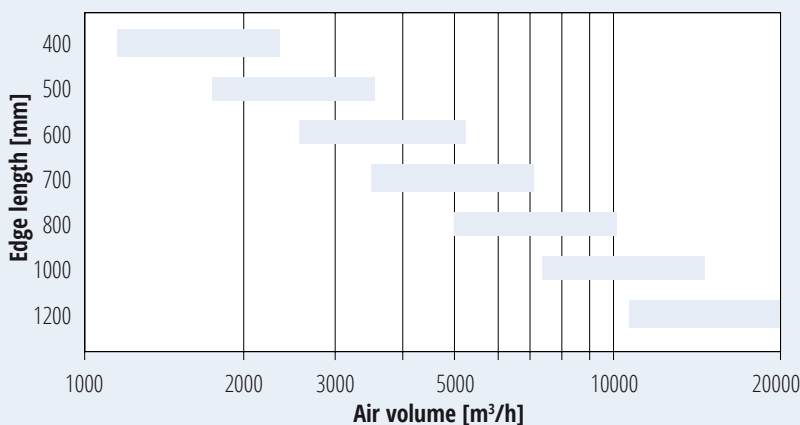


■ Plate structure: embossed plates – plate distances from 5.5 up to 14 mm



■ Plate distance: corrugated inserts – plate distances from 8 up to 13 mm

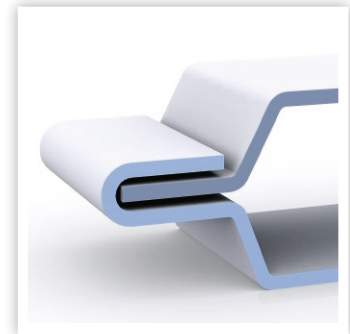
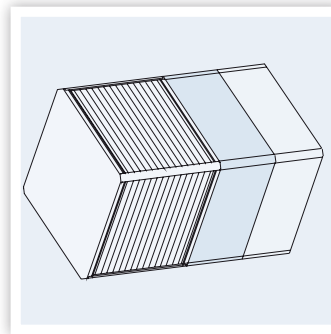
Diagram for selection of a suitable plate heat exchanger



PWT 200 - 390

Application

- Room ventilation systems
- Controlled apartment ventilation
- Total separation of supply and waste air
- Heat-recovery in winter
- Cooling-recovery in summer



■ Different plate distances and any required group length can be supplied

■ High tightness and strength thanks to folding of the intake-flow edges (threefold material thickness).

Configuration options

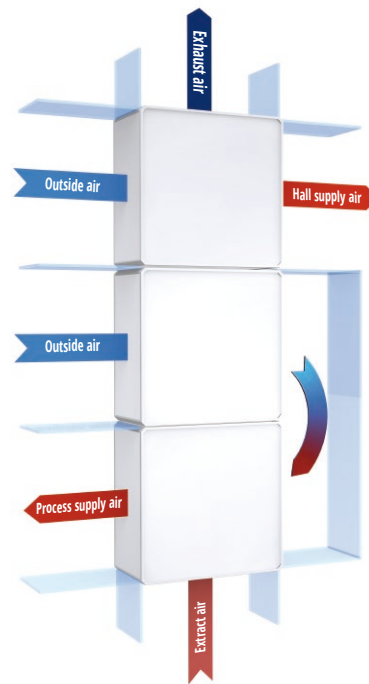
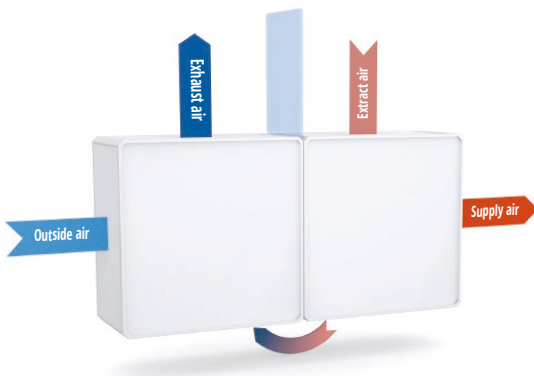
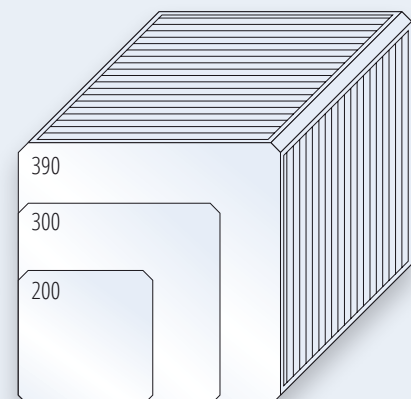
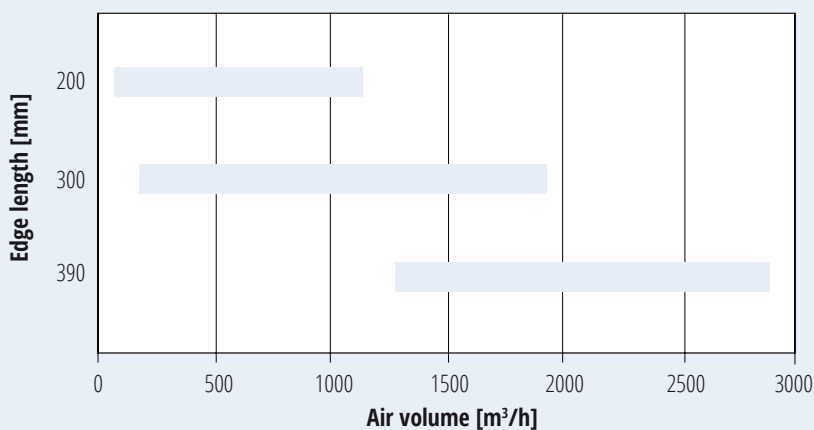
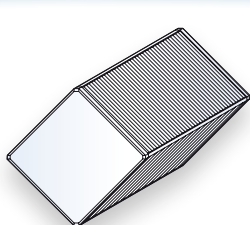


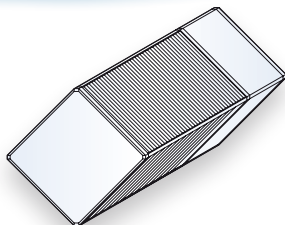
Diagram for selection of a suitable plate heat exchanger



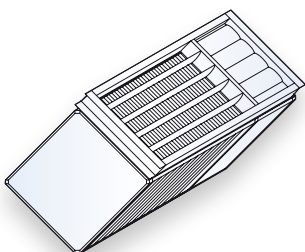
Shapes



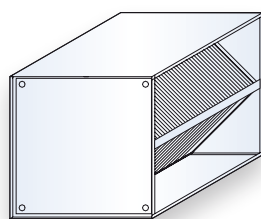
PWT 10



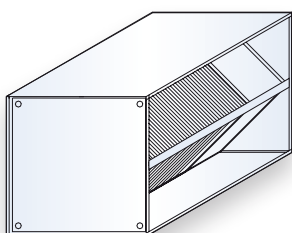
PWT 20



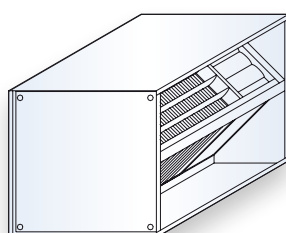
PWT 25



PWT 30



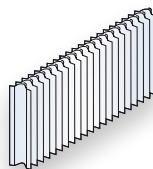
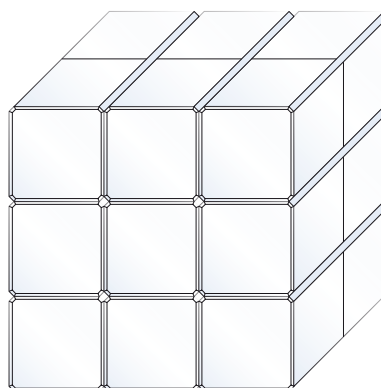
PWT 40



PWT 60

Modular construction

Any required group length and edge lengths up to 3000 mm can be supplied, thanks to modular structure.



Droplet separator

All housings are equipped with condensate drain-off.

Crossflow arrangement incorporating two PWTs

Two heat-exchanger groups can be arranged in a cross-/counterflow pattern to increase efficiency.

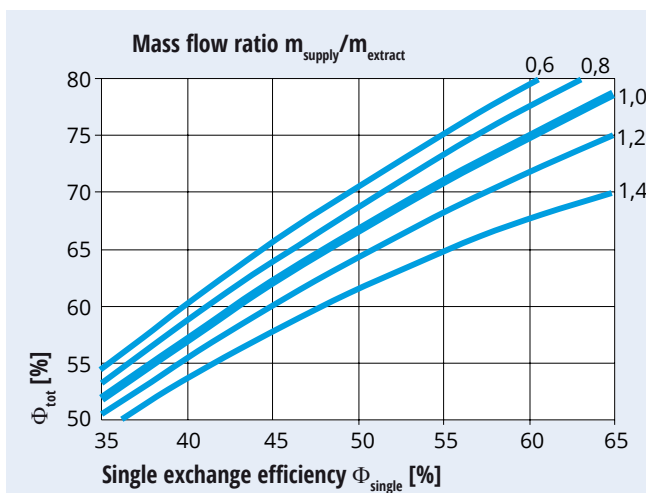
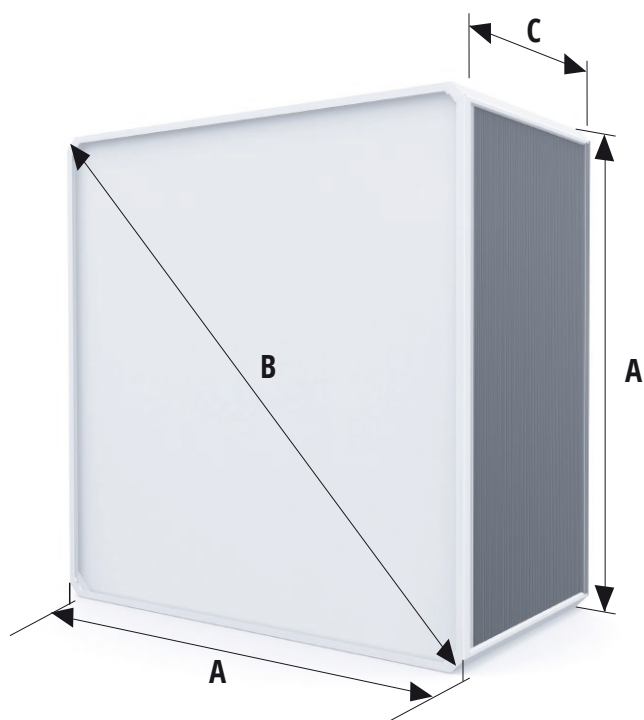
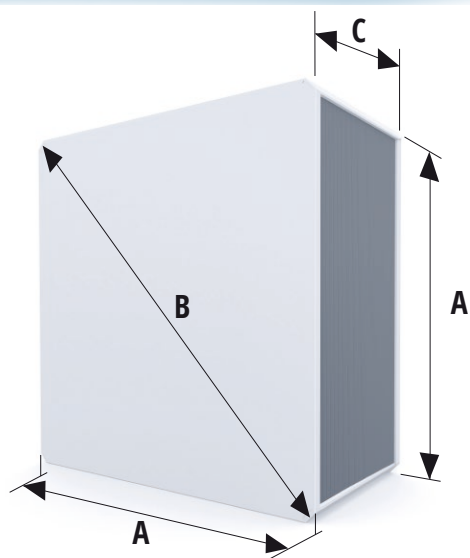


Diagram for determination of efficiency with two PWTs in a cross-/counterflow pattern

DATA PWT



Dimensions				
Type	A [mm]	B [mm]	C [mm]	Efficiency ¹⁾
PWT 200	203	265	individual	up to 60%
PWT 300	303	405	individual	up to 60%
PWT 390	390	531	individual	up to 60%

1) Efficiency depends on plate distance and air quantity.
Technical changes possible.

Dimensions				
Typ	A [mm]	B [mm]	C [mm]	Efficiency ¹⁾
PWT 400	400	563	individual	up to 60%
PWT 500	500	677	individual	up to 60%
PWT 600	600	819	individual	up to 65%
PWT 700	700	960	individual	up to 65%
PWT 800	800	1101	individual	up to 70%
PWT 1000	1000	1384	individual	up to 70%
PWT 1200	1200	1667	individual	up to 70%

1) Efficiency depends on plate distance and air quantity.
Technical changes possible.



**Rotary
Heat Exchanger**

- Execution as aluminum, epoxy, enthalpy or sorption rotor
- High Temperature Rotor made of stainless steel



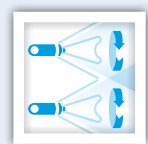
**Counterflow-
Plate Heat Exchanger**

- Aluminium, PET and epoxy versions available
- Highest efficiency



**Crossflow-
Plate Heat Exchanger**

- Aluminium, PET, epoxy and stainless steel versions available



**Humidifier
CERTO**

- Hygienic humidification
- Adiabatic cooling