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RECUPERADORES GAS-GAS A PLACAS

Customer Segments

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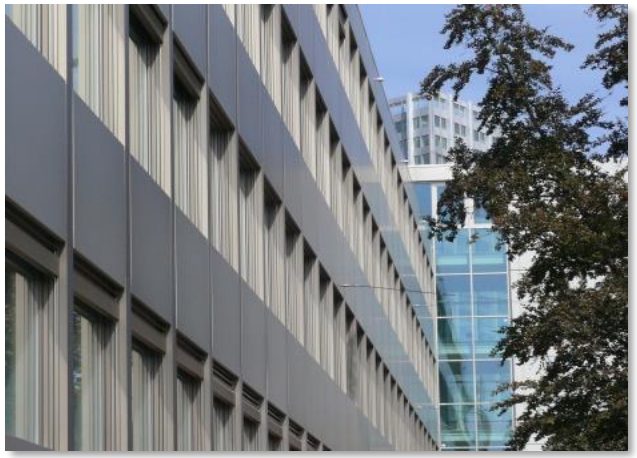

Plate exchanger for comfort ventilation

Products for industrial or corrosive applications

Industrial and corrosive applications

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As a rule, significantly higher savings potential due to:

- Reduction of fresh energy consumption
- Conversion of process waste heat
- Reduction of CO2 emissions

Product types overview

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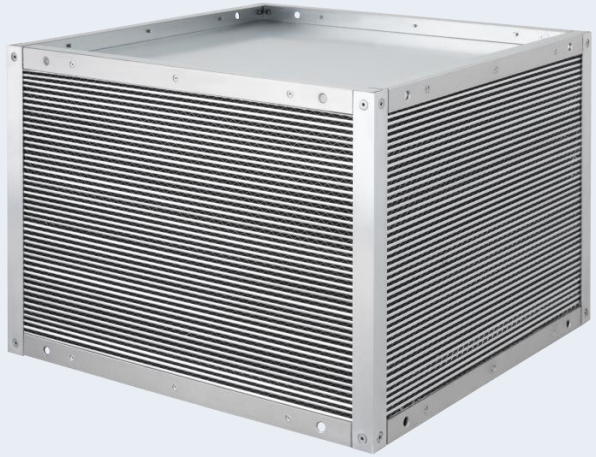
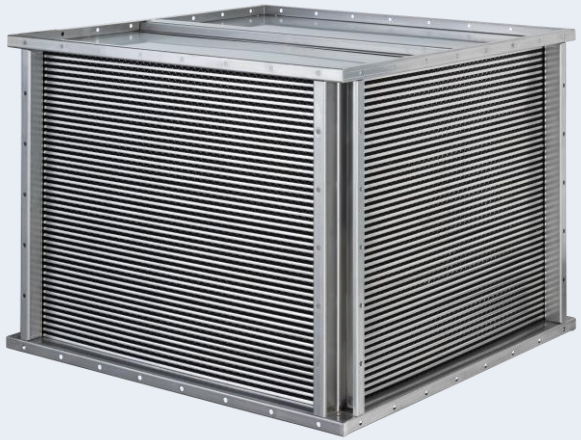
sealed		welded
slide-in	frame-type	case-type
		
aluminum or stainless-steel		stainless-steel
up to 150/600 °C		up to 800 °C

sealed plate exchangers

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optional: hole pattern, rivet-nuts

sealed plate exchangers

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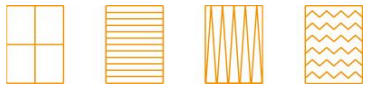
aluminum	stainless-steel
up to 150 °C	up to 600 °C
slide-in or frame-type	
PU, silicone or solvent-based sealing	PU, silicone, solvent-based or ceramic sealing
optional extra sealing up to 0.5% leakage	
individual corrugated and separator layer	
max. differential pressure 10’000 PA	
individual fin spacing for supply- and exhaust-air	
scalable from 200x200 up to 2800x2800 mm, selectable width 150-5500 mm	
100-250’000 kg/h massflow	
up to 88% dry efficiency	



scalable

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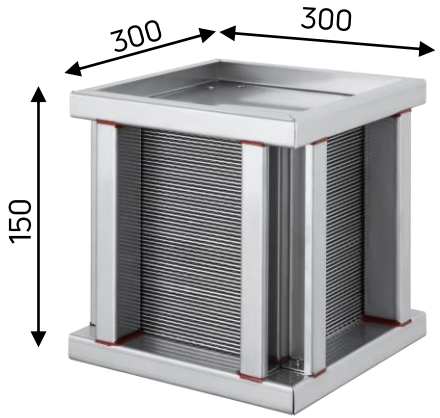

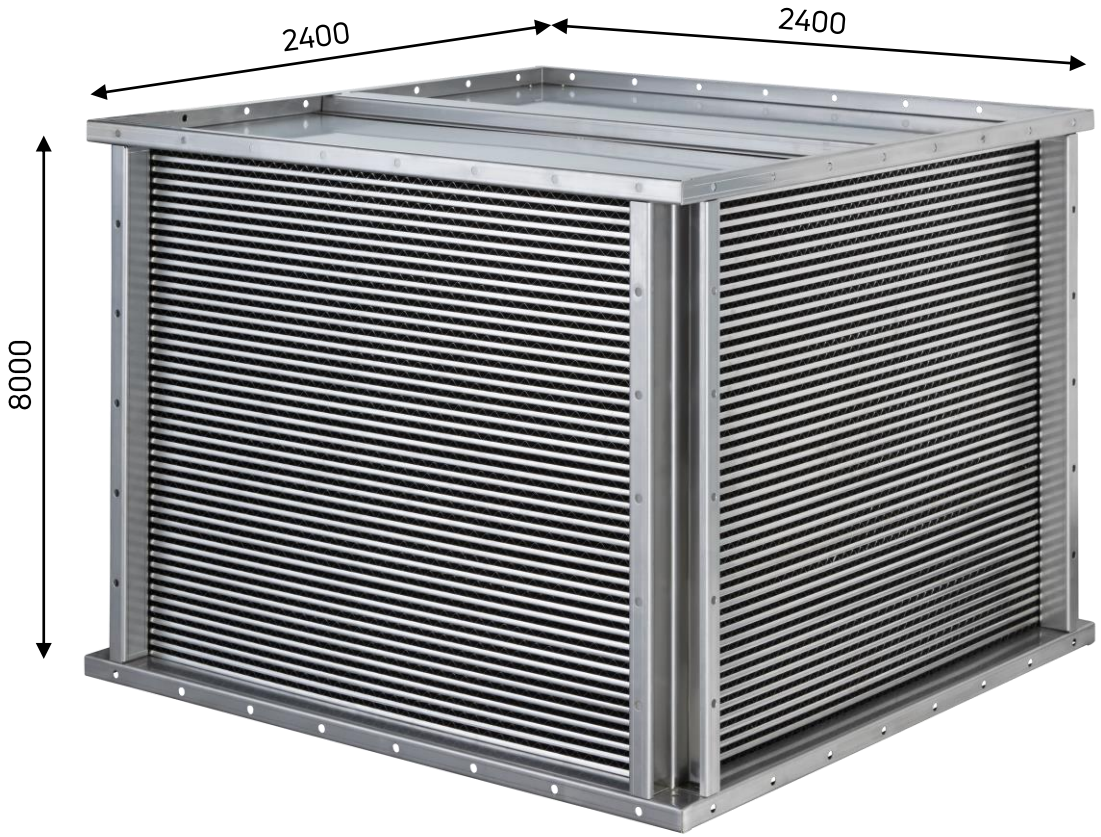

individual fin spacing

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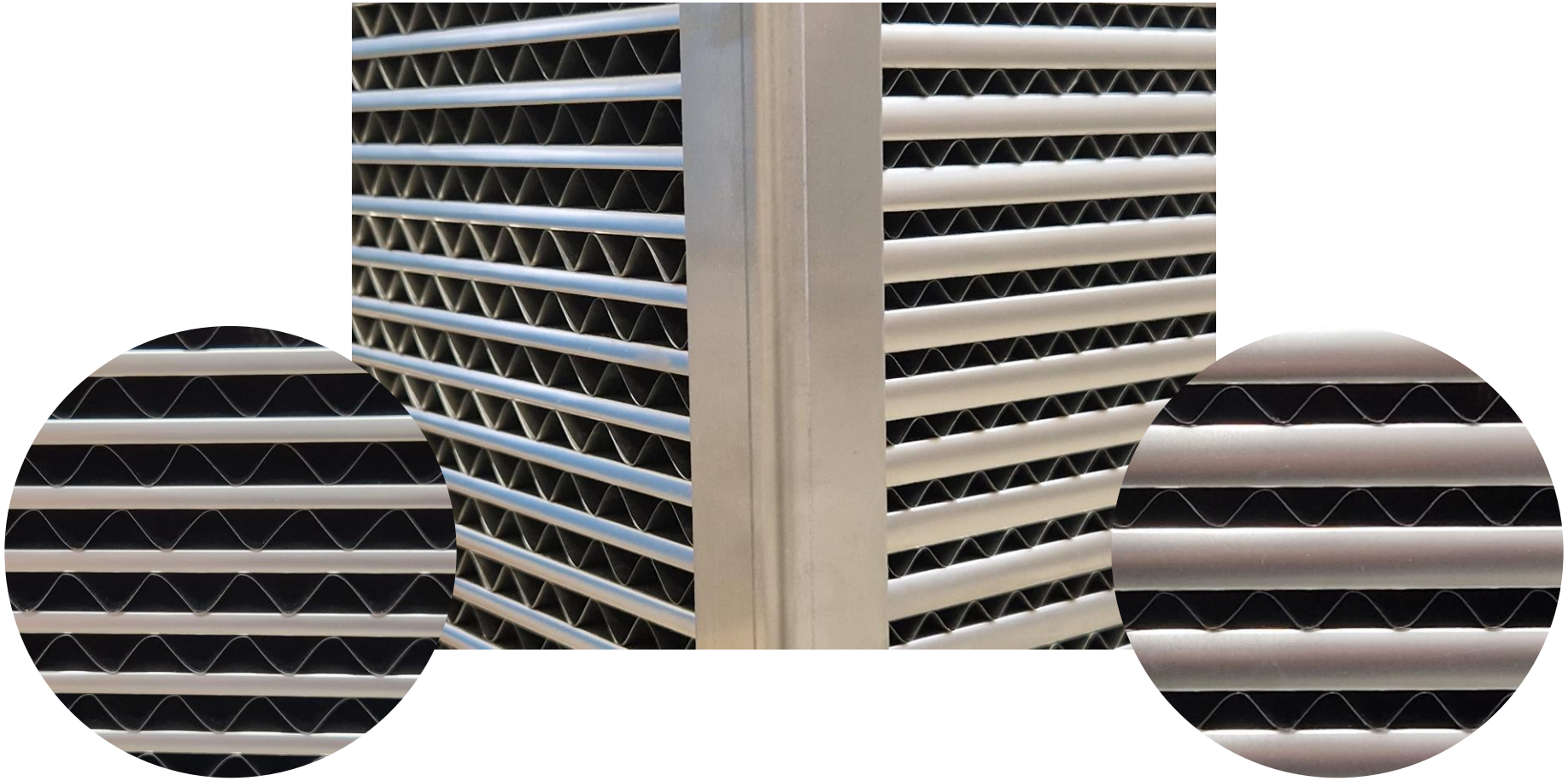

welded plate exchanger

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stainless-steel
fully welded casing
sealant-free
separator sheet 0.5 mm
corrugated sheet 0.1 mm spot welded
casing sheets 1.0 mm
max. differential pressure 50’000 PA
individual fin spacing for supply- and exhaust-air
240x240 up to 1200x1200 mm plate square
150-1500 mm usable width
100-35’000 kg/h
up to 81% dry effectiveness

Use cases

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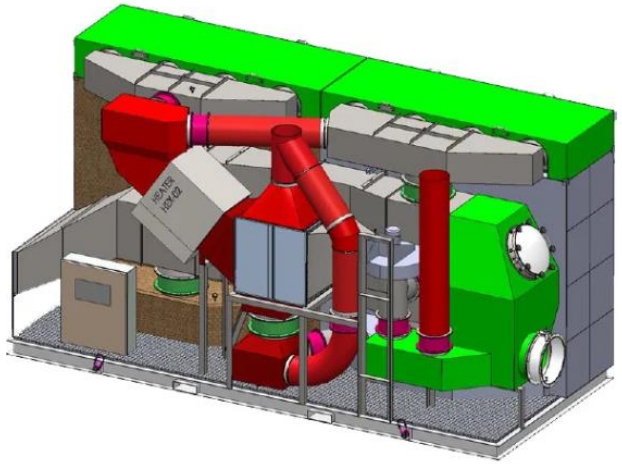

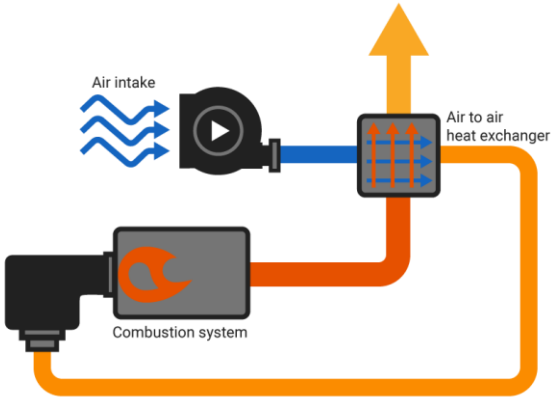

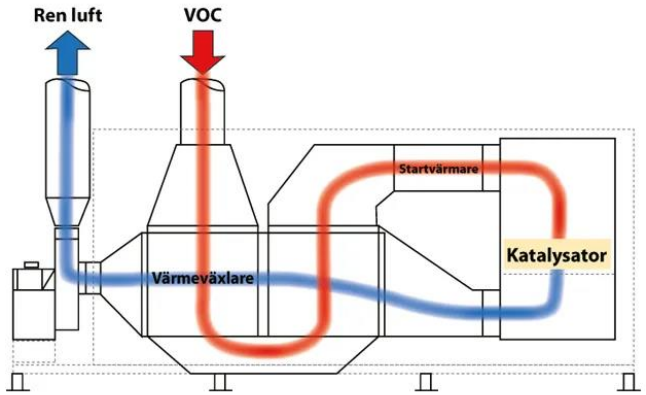

Enablers/disablers

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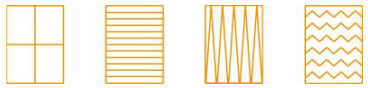
disablers:

1. liquid medias
2. pressure over ambient
3. transport of heat energy

enablers:

1. exhaust temperatures >180 °C
2. Volume flows of 200-50’000 m3/h
3. Individual dimensions
4. direct mount flange
5. gastight or sealant-free
6. numerable energy costs/savings



Dimensioning software Winpoly

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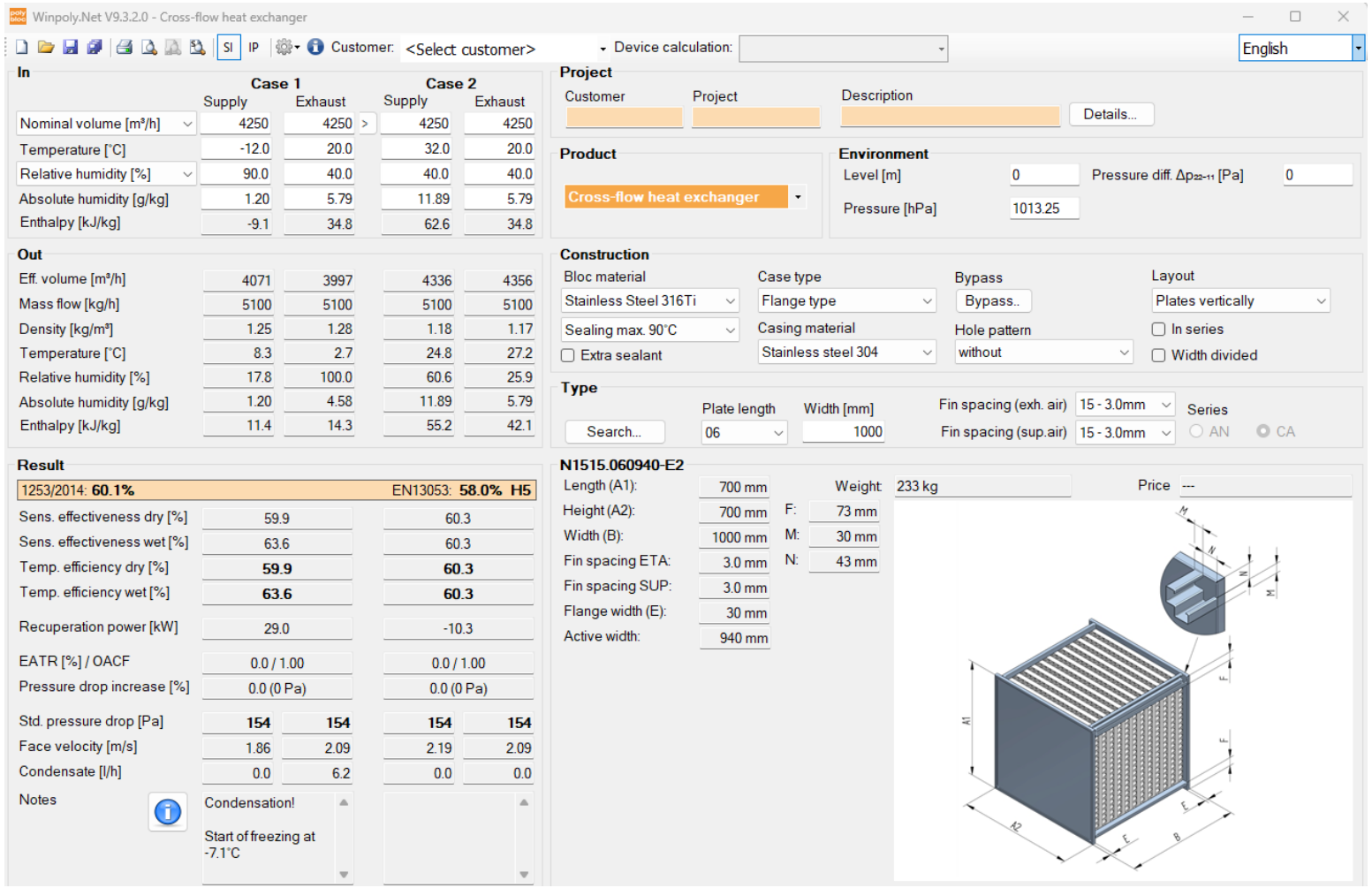

Specific project enquiries

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In order to make an estimate or even an interpretation, we need certain information:

Exhaust air: volume flow (Nm3/h or kg/h), temperature, possibly humidity if < 100 °C

Supply air: volume flow (Nm3/h or kg/h), temperature, possibly humidity if exhaust air <100 °C

Target efficiency OR target temperature of supply air

if possible, estimation of the possible dimensions

if possible, max. acceptable pressure drop

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