

Heat exchanger

# CounterFlow

CounterFlow Heat Exchanger



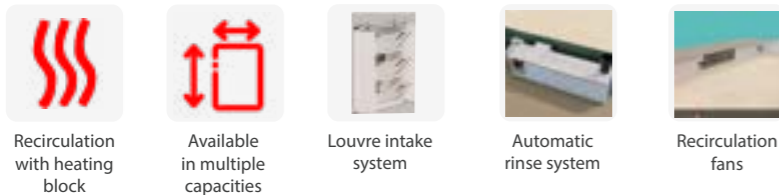
- ✓ Complete made of polypropylene (PP)
- ✓ With horizontally positioned PP pipes
- ✓ Less dust or pollution
- ✓ High efficiency
- ✓ Low maintenance
- ✓ Available in multiple capacities
- ✓ Easy access due to cleaning hatches
- ✓ Controllable with climate computer



### Suitable sectors



### Options



Type	Installation dimensions (mm)			Capacity (m3/hr)	Material	Colour
	L	W	H			
CF-15000	9600 mm	2400 mm	2500 mm	15.000	Insulated PP	RAL 7032
CF-20000	9600 mm	2400 mm	2800 mm	20.000	Insulated PP	RAL 7032
CF-25000	9600 mm	2400 mm	3100 mm	25.000	Insulated PP	RAL 7032
CF-30000	9600 mm	2400 mm	3400 mm	30.000	Insulated PP	RAL 7032

### Air distribution

The CounterFlow Heat Exchanger utilises warm exhaust air from your poultry house to heat up incoming fresh air. Through our advanced PP pipe system, the cooler fresh air is passed through without mixing, ensuring maximum efficiency. This innovative process not only conserves energy but also promotes a uniform distribution of air throughout the building.

### Mechanism

Powered by high-pressure fans, the CounterFlow Heat Exchanger efficiently moves both exhaust and intake air through the heat exchanger. Exhaust air is drawn past the pipes, where heat transfer occurs, before being expelled through the exhaust chimney. Simultaneously, intake air is pulled through the same pipes, absorbing heat from the exhaust air, and then propelled into the building. The air is well distributed throughout the building via the louvre intake system and recirculation fans.

### Cleaning

For easy cleaning during operation, the CounterFlow Heat Exchanger can be equipped with an automatic rinse system. Hatches with a rubber airtight sealing mechanism enable access to the control room of the heat exchanger. This ensures a secure seal to prevent air leaks and maintain the efficiency of the system.

