

HEAT RECOVERY IN HVAC SYSTEMS. TEST OF KNOWLEDGE (1)

e-learning material

1. What kind of building energy saving equipment in ventilation systems do you know? Choose the correct answers:

- Plate heat exchanger;
- Rotating heat exchanger;
- Cross flow heat exchanger.

Answers:

- Plate heat exchanger;**
- Rotating exchanger;**
- Cross flow heat exchanger.**

2. What is the principle of rotating exchanger work ? Choose the correct answer:

- the warm air passes through a wheel and heats rotating wheel load, the wheel rotates and a warm part enters cold air.
- the warm air passes through gaps between plates, cold air passes through the next parallel gaps, in this way heat from extracted air is transferred to the supply air.

Answer: Rotating exchanger working principles:

- the warm air passes through a wheel and heats rotating wheel load, the wheel rotates and a warm part enters cold air.

3. What is the principle of plate exchanger work ?

Choose the correct answer:

- the warm air passes through a wheel and heats rotating wheel load, the wheel rotates and a warm part enters cold air.
- the warm air passes through gaps between plates, cold air passes through the next parallel gaps, in this way heat from extracted air is transferred to the supply air.

Answer: Plate exchanger working principles:

- the warm air passes through gaps between plates, cold air passes through the next parallel gaps, in this way heat from extracted air is transferred to the supply air.