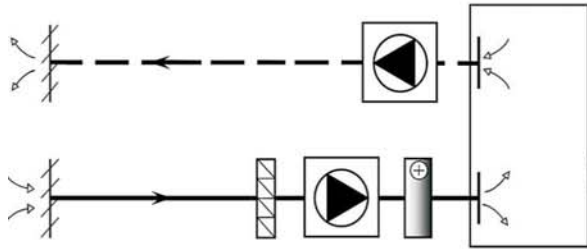
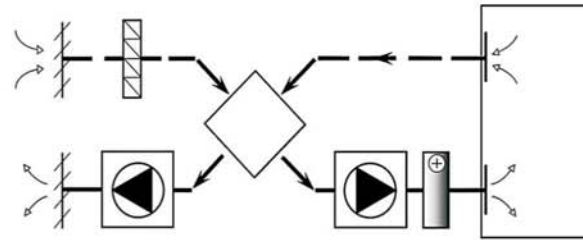


AHU-A - System without recuperation



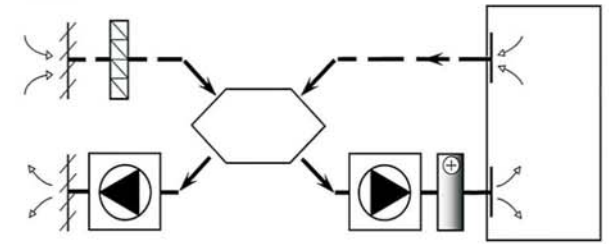
$E = 0\%$

AHU-B - System with cross-flow heat exchanger



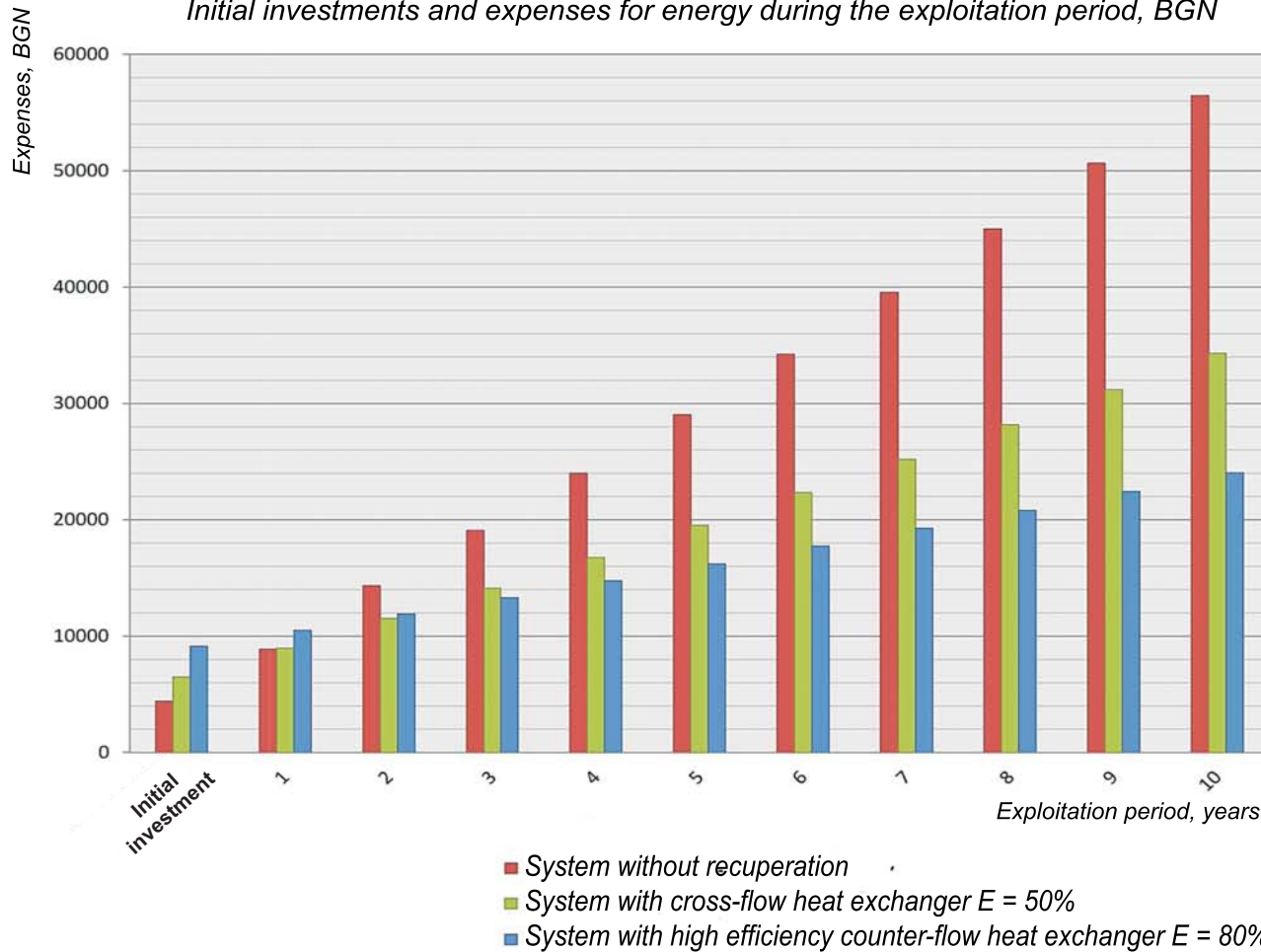
$E = 45 - 55\%$

AHU-C - System with counter-flow high efficiency heat exchanger



$E = 75 - 85\%$

Initial investments and expenses for energy during the exploitation period, BGN



Data are valid for following conditions:

- Air volume -  $V=2000 \text{ m}^3/\text{h}$
- Working hours - 10 h
- Average price of electrical energy - 0.2 BGN/kWh
- Climatic data for the area of Sofia
- Life of the installation - 10 years
- Energy price growth - 3% per year
- Expenses for service and maintenance - 5% per year

