

# Guidelines on how to model ventilation systems with “active heat recovery” in PHPP version 9

for ventilation systems without a passive core and a heat pump using exhaust air as a heat source

Enter the product specifications in the section for Compact Unit in the “Components” worksheet.

- [illegible]

**PHPP workaround**  
**for ventilation systems without a passive core and a heat pump using exhaust air as a heat source**

**Step 2:**

Select “HP compact unit” as heat supply in the “PER” worksheet.

- As the ventilation system does not cover the DHW heating demand, this must be deactivated in the PER worksheet. Entering 0% in PER worksheet causes an error. Instead insert very small number (e.g. 0.00001%, see screenshot below) which allows the algorithm to work without influencing the results.

Selection of heat generation system(s)

Primary heat generation type

1-HP compact unit

Secondary heat generation type (optional & different)

5-Direct electricity

Contribution margin (useful energy)	
Heating	DHW
100%	0.00001%
0%	100%