

Central Air-Conditioning System for the Home Achieves Greater Comfort and More Energy Savings Using VAV

The know-how we have cultivated in the office building field is applied to homes VAV (variable air volume) air conditioning satisfies each family member. In addition, energy is saved by turning off the temperature control for individual rooms, etc.

Your challenges

■ Families with central air-conditioning

- We want to control the temperature of each room separately
- We want to turn off the air conditioning in vacant rooms

■ Families using air-conditioners

- We want to keep the whole house comfortable
- We want to breathe clean air
- We want to prevent heat shock and heatstroke

Azbil's solutions

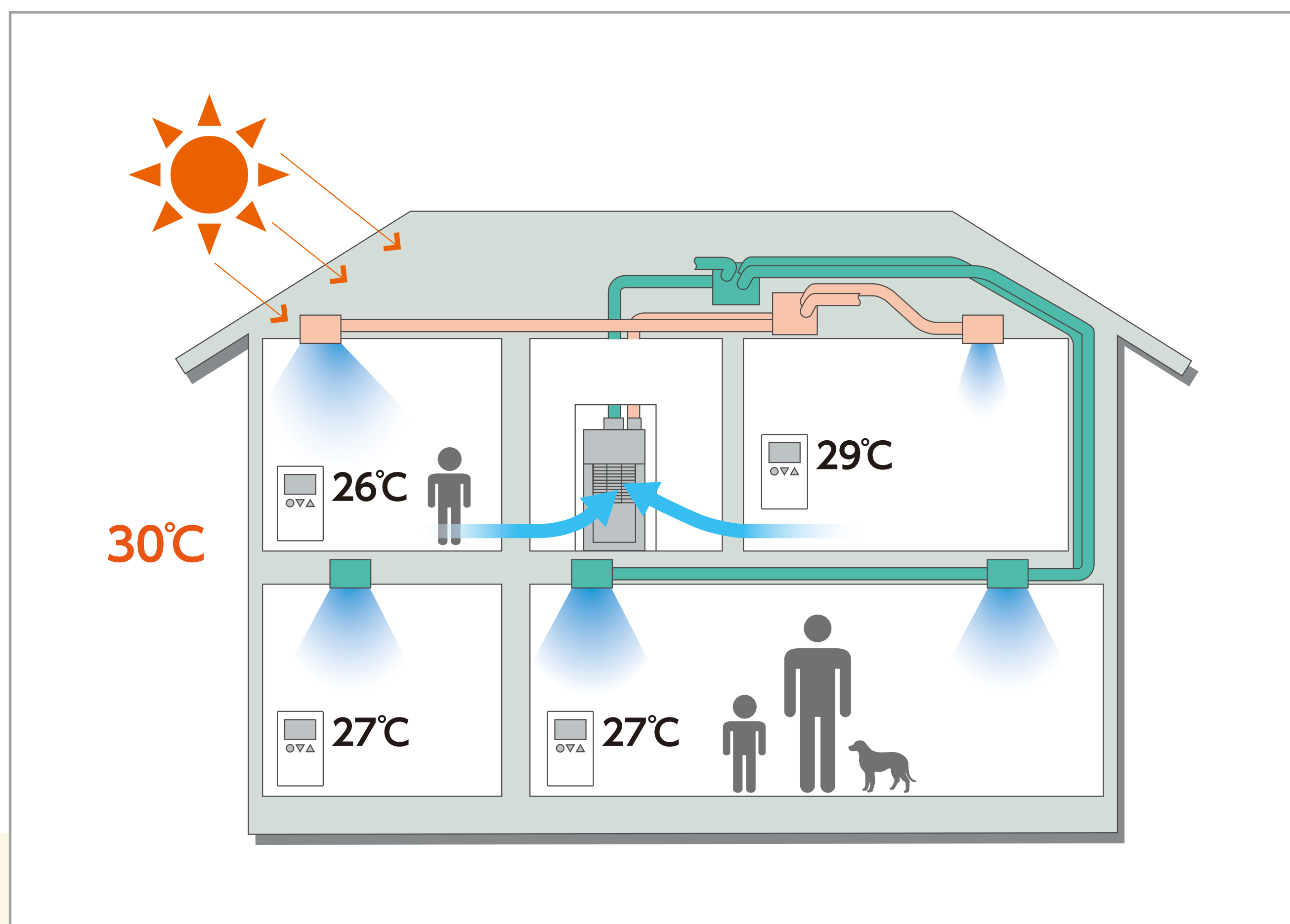
■ By introducing VAV (variable air volume control)

- The temperature can be set for each room even with central air conditioning
- Temperature control can be turned on/off for individual rooms to save energy

■ By introducing a central air-conditioning system

- Cooling, heating, air purification, ventilation, and dehumidification for the whole house is carried out by one system
- PM 2.5 can be reduced by 99 % by the electronic air cleaner
- Temperature differences between rooms that can cause heat shock can be reduced

■ VAV control of the central air-conditioning system for homes



■ Structure of the outlet VAV unit



■ Devices for VAV control

