

# Vexve AM45

## District heating unit controller

Vexve Oy's latest development is a district heating controller with flow meter controlled domestic hot water production and return flow modulating heating control for two heat circuits. The

controller is developed for the OEM-market and manufacturers of district heating units but is also the perfect solution for retrofits.

### Solution

- District heating substations in single- and multi-family houses and in apartment houses

### Delivery

- Factory pre-mounted AM45 District Heating unit control system
- Fully customizable according needs of customers, can be delivered with or without:
  - Sensors with RJ-connector to AM45
  - Valves, different Kv-values
  - Actuators, different speeds and torques
  - Actuator Cables with RJ-connector to AM45
  - Pump Cables with connectors to specified pumps
  - Flowmeter with RJ-connector to AM45
- All cable lengths, pump connector, etc., and even programming of controller can be customized according needs of customers to guarantee fast and easy installation.

### Main features

- Patent pending flow meter controlled domestic hot water production, with smart self-learning control
- Leakage alarm for domestic hot water
- Display of current and cumulative consumption of domestic hot water
- Return temperature modulation for heating circuit
- District heating return temperature control
- Valve flushing and pump service operation
- Manual operating of all actuators and pumps for easy and fast testing after assembly
- No need for extra wiring, connection boxes or switches for pumps
- Display of all temperatures and valve positions and pumps status for easy and fast diagnostics
- Possibility to add wireless room units

