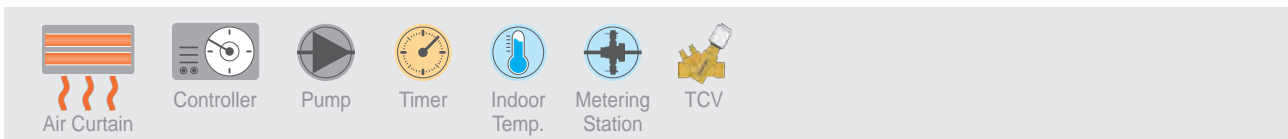
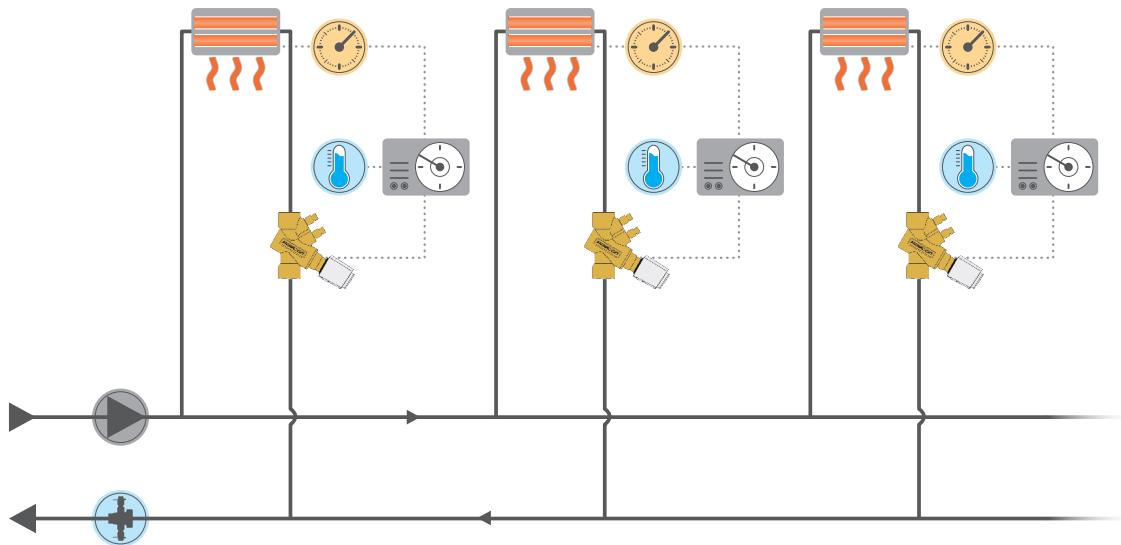


# Air Curtains

## with Temperature Control



### System Functionality:

An air curtain is a fan-powered device which creates an invisible air barrier over the doorway to efficiently separate two different environments, without limiting the access. It helps keeping shop- and restaurant entrances free from draughts and unwanted outdoor temperatures. The air temperature is controlled by circulated water temperature and with proper balancing, an air curtain may reduce heating and cooling costs by up to 80% while protecting the indoor climate and increasing people comfort. Balancing can be obtained by installing a Temperature Control Valve (TCV) on each unit securing actuated control and optimized flow balance.

### Requirements:

The TCV incl. balancing will react to system pressure changes and automatically provide the selected max. flow independent of pressure changes. In addition, the actuator will provide ON/OFF control, securing proper thermal performance at all times, even at partial loads.

### Solutions:

The solution is to mount a TCV on every unit and FlowCon offers:

- FlowCon EVS with balancing (pre-set stainless steel insert) and ON/OFF control.

### Benefits:

- Assures correct flow for each unit automatically - also at partial loads - securing people comfort
- A serviceable solution due to insert-design
- Energy efficiency with regulation starting at only 10 kPaD
- Cost savings due to reduced commissioning time
- Tamper-proof
- A proven technology - long life expectancy.

— FlowCon TCV —



EVS