

## COMPACT MODEL CONTROLLED VENTILATION SYSTEM

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This model allows the comprehension of set-up and functionality of a controlled ventilation system. Parameter setting, adjustment and start-up are taught.

All main components of a Controlled Ventilation System are integrated in this compact model. A transparent front cover enables the observation of the running system. With the included conversion kit the high power cross-flow heat exchanger can be modified for summer operation.

Weld sockets and openings for measurements of air velocity, temperature, humidity and pressure are present. Data could be gathered and compared to manufacturer's data with either your existing or also deliverable set of measuring instruments.

Frost protection for the cross-flow heat exchanger, control for the auxiliary electrical heating and filter control are integrated into the control unit of the system.

The device includes several filters according to DIN EN 1946. Ambient air G3 and fine filter F5 (optional F7 for allergic persons). Prefilter for exhaust air G3.



Dimensions : 1800x1900x800mm

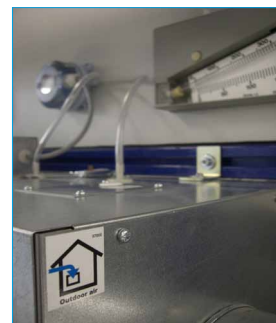
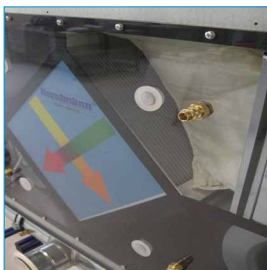
Weight: ca. 110kg

Connection : Schuko 230 VAC

### Learning Content / tests

- Get familiar with the components of a controlled ventilation system.
- Comprehend and describe the set-up and functionality of the respective components.
- Determine and evaluate specific characteristics
- Design and dimension a controlled ventilation system.
- Prepare a checklist for hand-over of the system to a customer and carry out the processes on the list.
- Prepare a list with argumentation aids for customer meetings.
- Perform check-ups and maintenances at the model.

742.070.000 Compact Module Controlled Ventilation System  
742.070.010 Set of Measuring instruments



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