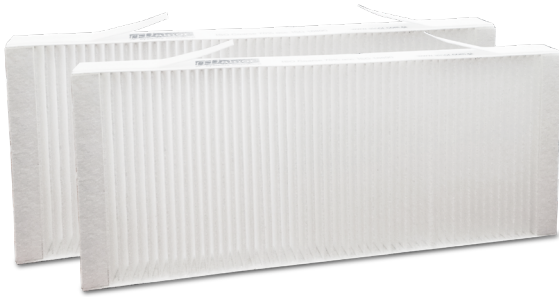


Suspended heat recovery unit with a plate heat exchanger

HRU-SlimAIR

Filters



Pleated panel filter creates a larger media surface area for air filtration and ensures lower pressure drops. The filter is classified as in the ISO Coarse 70% or ISO ePM₁ 55% according to ISO 16890 standards.

Code	Filter clas	Dimensions [mm]
HRQ-SlimAIR-FILT-C70	ISO Coarse 70%	170x334x23
HRQ-SlimAIR-350-FILT-C70	ISO Coarse 70%	220x314x23
HRQ-SlimAIR-500-FILT-C70	ISO Coarse 70%	218x432x23
HRQ-SlimAIR-800-FILT-C70	ISO Coarse 70%;	254x438x46
HRQ-SlimAIR-FILT-ePM155	ISO ePM ₁ 55%	170x334x23
HRQ-SlimAIR-350-FILT-ePM155	ISO ePM ₁ 55%	220x314x23
HRQ-SlimAIR-500-FILT-ePM155	ISO ePM ₁ 55%	218x432x23
HRQ-SlimAIR-800-FILT-ePM155*	ISO ePM ₁ 55%	254x438x46

* filters also fit HRU-SlimAIR-1000.

Filter replacement:
bottom access



side access



Connecting the ground heat exchanger

Heat recovery unit has a possibility to connect the ground heat exchanger. This function allows you to control a valve that optionally supply air through the ground-to-air heating system. To do this, install a dedicated damper with the actuator (DATVTML).

Constant Flow (CF)

PremAIR air handling units optionally can be equipped with the Constant Flow system, whose task is to maintain a constant air flow in the installation. CF works by reading the difference between the dynamic pressure around the fan and the static pressure in the duct in front of the fan. The CF system constantly monitors the pressure in the ducts and if the resistance increases, it increases the speed of the fans to maintain a constant flow, such as on the first day when the ventilation unit was commissioned. During exploitation, the installation pressure is naturally disrupted (dirty filters, condensation of water in the heat exchanger, temperature difference changing the air mass). CF counteracts to those changes, thanks to which the airflows remain sustainable, and only a sustainable system takes full advantage of the air handling unit's capabilities.

Cooperation with the kitchen hood

The cooker hood can be connected to the MVHR system via the X25 contact on the main board of the SlimAIR heat recovery units. It is a potential-free contact. Short-circuits of contact inputs will result in an exhaust fan stopping completely during the period the contact is closed.

Additional devices



Heat recovery units in the HRU-PremAIR series can optionally be equipped with a dedicated external electric preheater HRQ-SlimAIR-HDE-250-4,5, power 4500W.



For larger buildings or multiple floors that may affect the quality of the connection between the recuperator and the controller or additional sensors, it is possible to connect an external antenna with a length of 20m HRQ-ANTENNA-EXT.