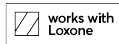


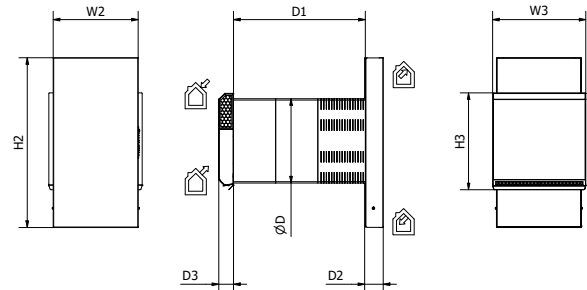
# Heat recovery ventilation unit with counterflow exchanger

## HRU-MaistAIR



### Dimensions

HRU-MaistAIR-70E-P

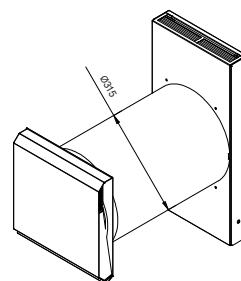


	$\varnothing D$ [mm]	$D1$ [mm]	$W2$ [mm]	$H2$ [mm]	$D2$ [mm]	$W3$ [mm]	$H3$ [mm]	$D3$ [mm]
HRU-MaistAIR	315	320-500	322	644	70	354	368	56

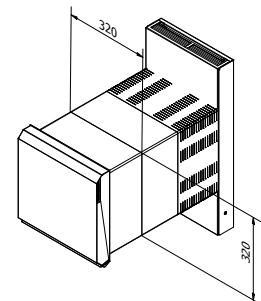
### Description

HRU-MaistAIR is an advanced decentralized heat recovery unit designed for maximum efficiency and user comfort. The heart of the device is a counterflow enthalpy exchanger. The recuperator ensures a constant air exchange rate of 70m<sup>3</sup>/h, effectively removing excess CO<sub>2</sub> and other pollutants while recovering heat and moisture. HRU-MaistAIR is ideal for small apartments, without the need for extensive ductwork. Built-in filters ensure effective air filtration inside the building and protect the most important components of the recuperator. Filter replacement and full device servicing are carried out from inside the apartment. The body casing made of lightweight and durable EPP plastic ensures durability and excellent insulation. The soundproof casing in the room ensures quiet operation and comfort of use.

The HRU-MaistAIR comes with a round body as standard. Depending on the preferred installation method, the device can be optionally equipped with an additional HRQ-MaistAIR-Q accessory, which changes the body to a square shape. The automatic damper closing system in the event of a power failure prevents uncontrolled inflow of outside air. An intuitive touch panel and remote control via a mobile app ensure full control over the device's operation.



Round housing (standard)



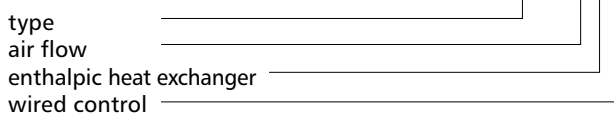
Square housing HRQ-MaistAIR-Q (optional)

Heat recovery selector



#### Product code example

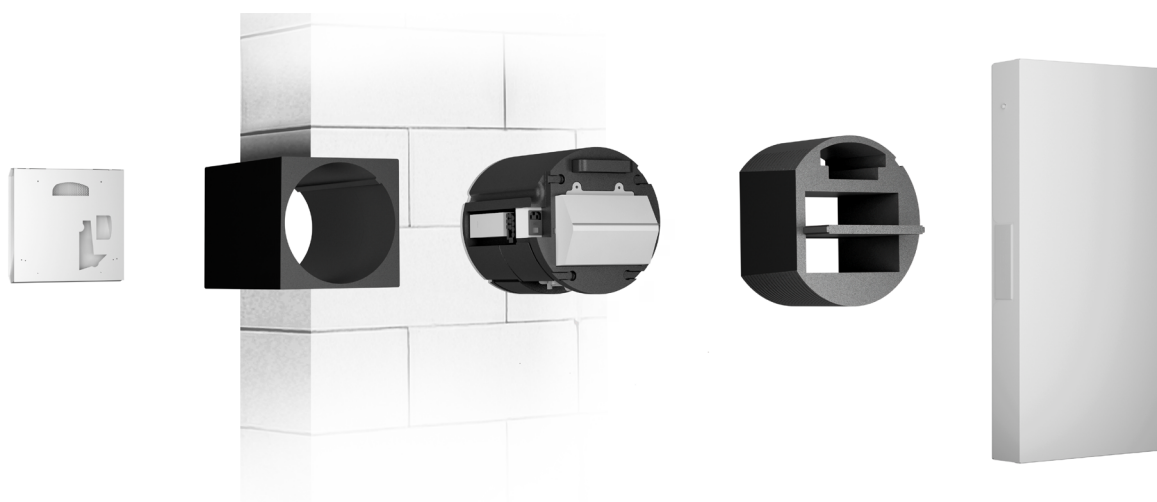
Product Code: **HRU-MaistAIR-70E-P**



Heat recovery ventilation unit with counterflow exchanger

# HRU-MaistAIR

## Installation



## Technical data

HRU-MaistAIR-70E	
Air flow [m <sup>3</sup> /h] @ 100 Pa	70
Maximal efficiency %	82,5
Efficiency % (acc. 1254/2014)	73,7
Maximal moisture efficiency %	67,0
Heat exchanger	Enthalpy
Voltage [V/Hz]	230 / 50
Maximum power consumption [W]	47
Sound level L <sub>pA</sub> [dB (A)], at 50 m <sup>3</sup> /h <sup>1</sup>	34 / 31
Sound power level L <sub>WA</sub> [dB (A)]	46
Weight [kg]	15
Filters	ISO Coarse 70% / ISO Coarse 70%
Built-in RH sensor	✓

## Acoustic data

range / setting [m <sup>3</sup> /h]	direction	sound level <sup>1</sup> L <sub>pA</sub> [dB (A)]	
		1 m	3 m
21	housing	21	16
35	housing	29	24
50	housing	34	31
70	housing	41	37

Noise through the enclosure in accordance with ISO 13347-3, below 'background' (whisper)

<sup>1</sup>Sound level at distances of 1 and 3 m above the reflecting surface (point source).

# Heat recovery ventilation unit with counterflow exchanger HRU-MaistAIR

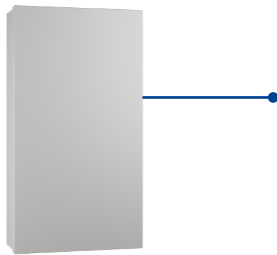
## Filters



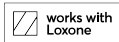
Alnor's heat recovery unit code	Filters code	ISO filtration class 16890	Filtration class in accordance with EN 779:2012	Dimensions [mm]
HRU-MaistAIR-70E	HRF-MaistAIR-G4-155-125-20	ISO coarse 70%	G4	155x125x20
HRU-MaistAIR-70E	HRF-MaistAIR-G4-316-60-20	ISO coarse 70%	G4	316x60x20

ISO coarse 70% filters according to ISO 16890 (formerly G4) have a pleated design, which provides a larger filtration area and low pressure drops.

## Wired control



HRQ-BUT-SCP  
built-in controller



**LOXONE**  
SMART HOME

Heat recovery selector



## Klasa energetyczna

Model	Sound power level $L_{WA}$ dB(A) [dB]	Air flow rate [m <sup>3</sup> /h]	Klasa energetyczna
			Local demand control
HRU-MaistAIR-70E	46	70	<b>A</b>

