

DUPLEXbase PS Range Filter Maintenance Guide

MVHR (Mechanical Ventilation with Heat Recovery) units require regular filter maintenance (cleaning or replacement). The Airflow MVHR units have been designed to facilitate convenient access to the filters with easy maintenance in mind. The Airflow filters are tested and compliant with ISO 16890.

This filter replacement guide is specific for the following products:

Product no	Description
90001586	DUPLEXbase PS 650
90001587	DUPLEXbase PS 1100
90001588	DUPLEXbase PS 1700
90001589	DUPLEXbase PS 2300
90001590	DUPLEXbase PS 3500
90001591	DUPLEXbase PS 4500
90001592	DUPLEXbase PS 6000

Before opening the MVHR unit's door for cleaning, filter replacement or general maintenance always make sure that the equipment is disconnected from the mains power supply and prevent its reconnection to the mains by another person.

Filter replacement indication

Replacement is carried out depending on the dust load of the external and internal environment and the subsequent contamination of filters and an increase in air resistance indicated by the differential manostats every 500 to 2000 running hours.

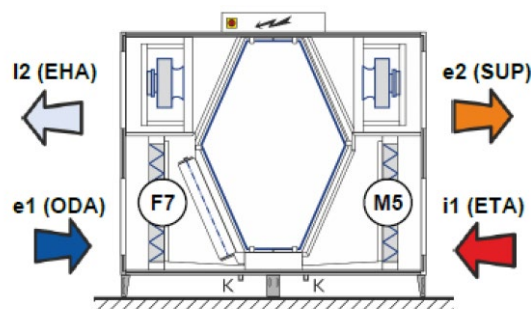
For units equipped with RD5 control system, CP Touch Controller part no: 90000710.



The unit is supplied with filters, individually packed (usually located on top of the units). Locate and unpack the filters.

Install the filters in their allocated locations inside the unit.

- i1 (ETA) = extract air filter
- i2 (EHA) = exhaust air
- e1 (ODA) = outdoor air filter
- e2 (SUP) = supply air



Install air filters before putting the unit into service to avoid contamination.

Should any damage or contamination be detected, replace them with new ones.

The supplier's address and the spare filters part numbers are shown on the identification unit label.

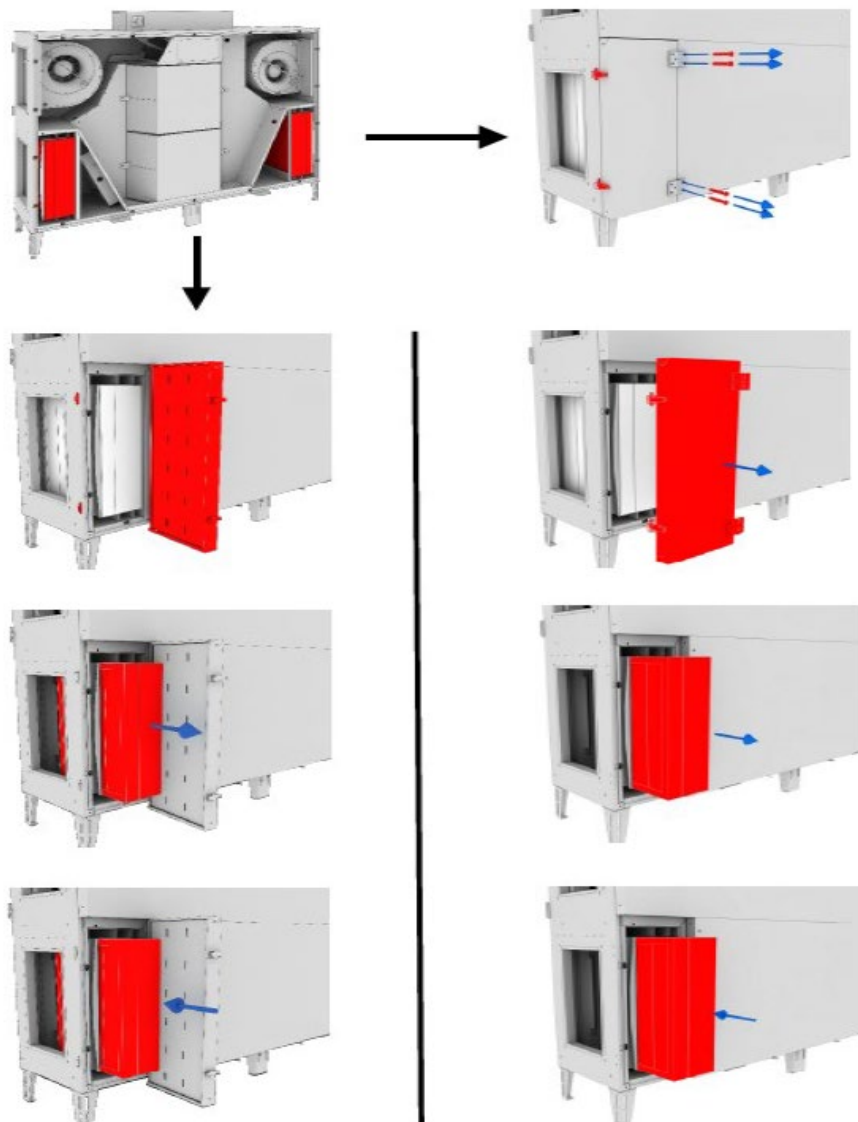
Insert undamaged clean filters into the guide rails.

Make sure that the arrow showing the direction of air flow through the filters can be seen from the front view (the arrow is by the unit's door) and that it is always pointing towards the heat recovery exchanger!

The unit is supplied with filter labels unattached. Attach the relevant identification labels near the filters. (e.g. on the relevant unit door.)

Using original filters ensures that the ventilation unit has high performance.

Fitting the filters:



Product no	Description	Dimensions (mm)	Pcs required/unit
90001451	DV650 ePM10 50% (M5) Spare Filter - DUPLEXbase PS 650, Flexi DV650 (1 pc)	500x235x48	1
90001452	DV650 ePM1 55% (F7) Spare Filter - DUPLEXbase PS 650, Flexi DV650 (1 pc)	500x235x48	1
90000174	DV1100 ePM10 50% (M5) Spare Filter - DUPLEXbase PS 1100, Flexi DV1100 (1 pc)	440x310x96	1
90000175	DV1100 ePM1 55% (F7) Spare Filter - DUPLEXbase PS 1100, Flexi DV1100 (1 pc)	440x310x96	1
90001351	PS 1700 ePM10 50% (M5) Spare Filter - DUPLEXbase PS 1700 (1 pc)	600x380x96	1
90001060	PS 1700 ePM1 55% (F7) Spare Filter - DUPLEXbase PS 1700 (1 pc)	600x380x96	1
90001793	PS 2300 ePM10 50% (M5) Spare Filter - DUPLEXbase PS 2300 (1 pc)	750x495x96	1
90001053	PS 2300 ePM1 55% (F7) Spare Filter - DUPLEXbase PS 2300 (1 pc)	750x495x96	1
90002063	PS 3500 ePM10 50% (M5) Spare Filter - DUPLEXbase PS 3500 (2 pc)	750 x 295 x 96 + 750 x 405 x 96	1+1
90002064	PS 3500 ePM1 55% (F7) Spare Filter - DUPLEXbase PS 3500 (2 pc)	750 x 295 x 96 + 750 x 405 x 96	1+1
90002065	PS 4500 ePM10 50% (M5) Spare Filter - DUPLEXbase PS 4500 (2 pc)	750 x 405 x 96 + 750 x 495 x 96	1+1
90002066	PS 4500 ePM1 55% (F7) Spare Filter - DUPLEXbase PS 4500 (2 pc)	750 x 405 x 96 + 750 x 495 x 96	1+1
90000661	PS 6000 ePM10 50% (M5) Spare Filter - DUPLEXbase PS 6000 (1 pc)	750 x 405 x 96	3
90000662	PS 6000 ePM1 55% (F7) Spare Filter - DUPLEXbase PS 6000 (1 pc)	750 x 405 x 96	3