

# Homevent

Efficient

Flexible

Reliable

MVHR - Mechanical Ventilation with Heat Recovery

At a Glance



**Hoval**

# Hoval – heating and climate technology for domestic, industrial, commercial and leisure applications.

With over 130 years' experience, Hoval is one of the leading international companies for heating, hot water and ventilation solutions. We work alongside our customers to make bespoke solutions for a diverse range of applications.

From workshops, production halls and logistics centres to aircraft hangars, shopping centres and swimming pools – our experts can design unique systems tailored to your individual requirements.

And the best part: the flexibility of our systems means they can easily be adapted to meet your changing needs in the future, giving you excellent long-term results.

As a specialist in universal systems for heating, cooling and ventilation, we assist our customers at every stage of the system lifecycle at their facility – from planning and operation right through to modernisation. In doing so, we help our customers to benefit from first class energy-efficient solutions.



**The ventilation unit with high efficiency rotary heat exchanger, recovering hot, cold and humid air.**



HomeVent® Comfort FR (201,251,301)



HomeVent® Comfort FRT (251,351,451)

Highly efficient, low energy ventilation for domestic and light commercial properties

# Why choose HomeVent

## Economical



### Saving energy and money

- **Low heating and cooling costs** due to efficient energy recovery
- **No extra electricity wastage**
- **Low install costs** due to no requirement of condensate drain or heater battery.
- **Heat and humidity recovery operation** happens during outside temperatures as low as - 20°C

## Ecological



### Low emissions

- **Energy class A +**
- **High efficiency EC fans**

## Easy to use



### Simple maintenance

- **Easy to clean and reusable** insect filter
- **User-friendly touchscreen** controls with TopTronic®E system
- **No technician needed to replace filters**
- **Convenient remote monitoring** using TopTronic® online

## Sophisticated



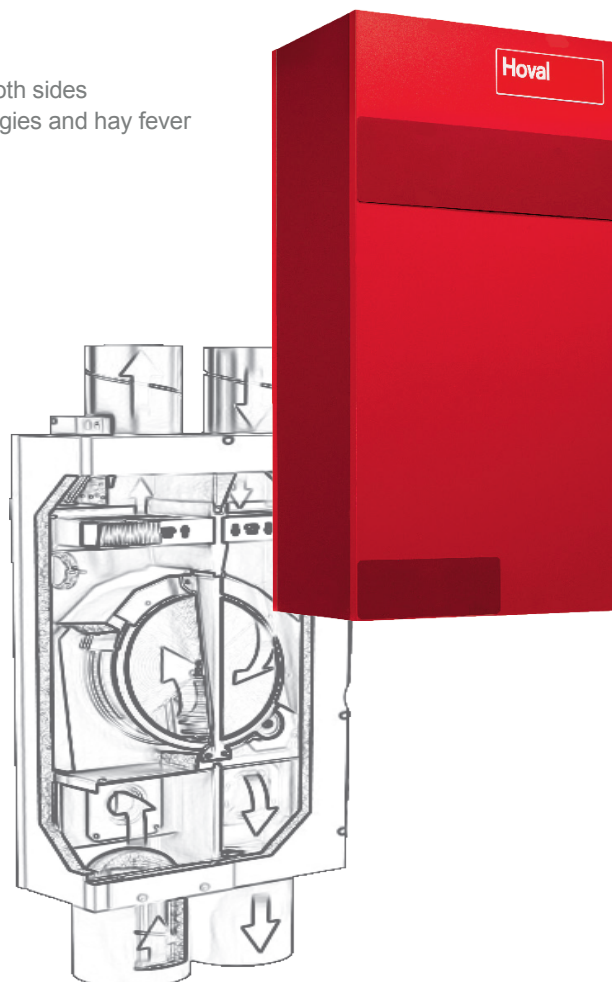
### Versatile operation

- **Space-saving** due to compact design
- **Can be installed in any orientation**

# Why choose HomeVent

As insulation in homes gets better.... air ventilation gets worse, that's why you need a solution that delivers unique structural and functional advantages.

- Fully automated, around the clock air filtration, without the need to open windows and lose heat.
- Dirt particles, pollution and pollen are filtered out
- Removes moisture from the air without the need for a condensate drain.
- Stale air and odours extracted completely
- Discreet (thanks to the sound absorber)
- Easy to service thanks to easy access from both sides
- Perfect for those who suffer with asthma, allergies and hay fever
- Prolonged life of building



# HomeVent Inside

## Exceptional filtering as standard

Pollen, pollutants, fine dust and fungal spores get left behind here.

F7 filters provide protection from pollen, pollutants, fine dust and fungal spores. Optionally available with an activated carbon filter.

## No more dry air

The rotor doesn't just recover the heat from the extract air – it humidifies it too. This happens under outdoor weather conditions down to -20°C. 30-65% setpoint option.

## Insects don't stand a chance

The G4 pre-filter holds back larger particles and lint, and even insects too. It is also easily removed and washed.

## Farewell to bad odours

The sensor is placed in the extract air area and detects bad odours. The air is replenished straight away.

## Flexible positioning – everything is possible

The technology is compactly packaged in one small system. It can be placed in any position and can also fit in a wall cabinet.

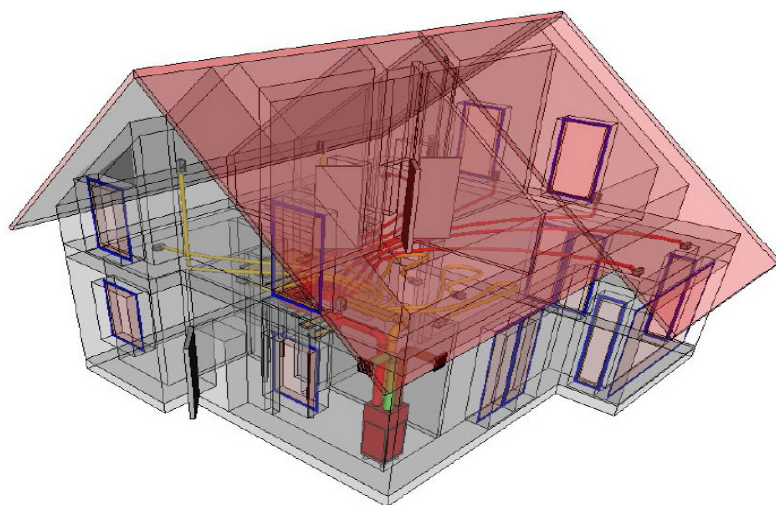
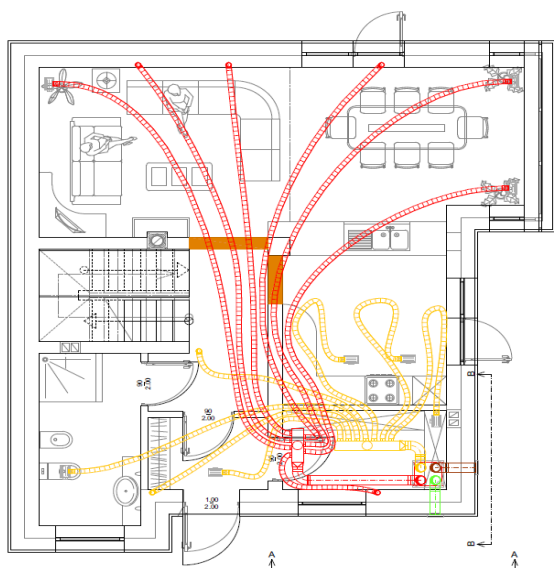
## Quiet and powerful

The fans run quietly and EC direct current motors save you energy. Efficient air filtration guaranteed.





# Comfort Ventilation



## There's always room for comfort ventilation

The HomeVent® unit can be installed in any orientation, hidden away or on show. Access is only required to change filters.

No need for a condensate drain to be fitted due to humidity recovery feature. No pre-heat necessary. Thermal heat recovery wheel allows temperatures down to -20°C.



## The right air grill for every style

Hoval have a wide range of choices to suit the aesthetic within any application. Fit the vents into walls, ceilings, or even floors for a discreet look.

No additional installation or ongoing electricity costs for electrical heating. No need for electrical or hydraulic heater battery.



## Fine particulate filters

The filters provide pre-filtered air with no contaminants, making the interior a more pleasant place. Pollen, pollutants, fine dust and fungal spores are removed from the building with great benefits to health and wellbeing.

# HomeVent at a glance



HomeVent® overview		comfort FR (201)	comfort FR (251)	comfort FR (301)	comfort FRT (251)	comfort FRT (351)	comfort FRT (451)
Technical data <sup>1)</sup>							
Air flow rate (continuously adjustable)	m³/h	40–200	50–250	60–300	50-250	60-350	70-450
Air flow rate (continuously adjustable)	l/s	55	69	83	69	97	125
Heat recovery efficiency up to	%	130	130	130	130	130	130
Heat recovery (adjustable)	%	0–84	0–84	0–85	0-85	0-84	0-82
Humidity recovery (adjustable)	%	0–91	0–90	0–90	0-90	0-84	0-81
Power consumption (with 70% air flow rate)	W	38	50	60	36	61	97
Dimensions (L / W / D)	mm	1000 / 560 / 374	1000 / 560 / 374	1000 / 560 / 374	960 / 560 / 560	960 / 560 / 560	960 / 560 / 560
Weight	kg	33	33	33	39	39	39
Equipment							
Heat and humidity recovery		✓	✓	✓	✓	✓	✓
Flexible installation position		✓	✓	✓	✓	✓	✓
Anti-ice protection (elec. preheating)		not necessary	not necessary	not necessary	not necessary	not necessary	not necessary
Condensate drainage		not necessary	not necessary	not necessary	not necessary	not necessary	not necessary
Access panel for easy servicing		on both sides	on both sides	on both sides	on both sides	on both sides	on both sides
Cooling recovery (CoolVent function)		optional	optional	optional	optional	optional	optional
Integrated air quality sensors		optional	optional	optional	optional	optional	optional
Energy efficiency		A+	A+	A+	A+	A+	A+

<sup>1)</sup> according to EN 13141-7 |

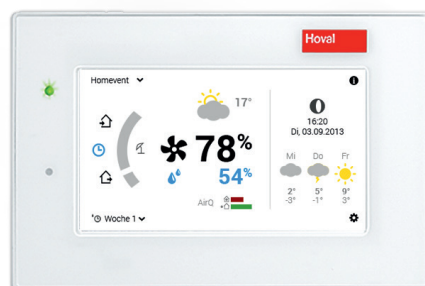


# The control that knows tomorrow's weather

For HomeVent® ventilation – and for your heating and hot water too – you only need one control system: Hoval TopTronic® E.

TopTronic®E controls operation depending on the weather and takes reliable weather forecasts for your location from the Internet: if the weather forecast is good for the day ahead, then the heating will reduce to compensate.

You save energy while staying on top of costs and environmental concerns, without having to forego comfort. With just a few taps, TopTronic® E caters to your personal requirements and adjusts itself based on your habits.



Touch display  
TopTronic® E



## Rotary heat exchanger

The Hoval patented heat exchanger is a rotating thermal wheel that utilises the heat and humidity from the extracted air. In winter time when the air is dry, the thermal wheel supplies the room with air that is preheated and humidified.

# HomeVent in use

Whatever your requirements, whether it be a new build apartment complex, an office adjoined to a factory, a new school building, or a sports changing room, HomeVent is the product you need.







# Hoval quality. You can count on us.

As a specialist in heating and climate technology, Hoval is your experienced partner for system solutions. For example, you can heat water with the sun's energy and your rooms with oil, gas, wood or a heat pump. Hoval ties together the various technologies and also integrates room ventilation into the system. You can be sure to save both energy and costs while protecting the environment.

Hoval is one of the leading international companies for indoor climate solutions. More than 70 years of experience continuously motivates us to design innovative system solutions. We export universal systems for heating, cooling and ventilation to more than 50 countries.

We take our responsibility for the environment seriously. Energy efficiency is at the heart of the heating and ventilation systems we design and develop.

## Responsibility for energy and environment



Hoval Ltd | Newark, Nottinghamshire | NG24 1JN | [hoval.co.uk](http://hoval.co.uk)

The Hoval logo is displayed in white text on a red rectangular background. The background of the entire bottom section of the page is a scenic landscape featuring a calm lake in the foreground, a small town on the left, and a range of snow-capped mountains in the distance. The sky is split: the left side is bright blue with a sunburst, while the right side is dark and stormy with a large, bright lightning bolt striking down.