



Hoval

Decentralised indoor climate systems

At a glance

Efficient | Flexible | Reliable

Hoval | Responsibility for energy and environment

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

With over 75 years' experience, Hoval is one of the leading international companies for indoor climate systems. For our customers, we develop modern, decentralised heating, cooling and ventilation solutions for large halls 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 indoor climate 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 energy-efficient solutions and first-class air quality both today and tomorrow.



The perfect climate in every hall.

The perfect climate and pleasant, performance-enhancing conditions for both work and well-being in halls for industrial, commercial and leisure applications. The new generation of decentralised indoor climate systems from Hoval makes it all possible.

The modular ventilation, heating and cooling systems consist of units distributed within the hall space with demand-driven control. Installed in a select number of specific locations, these systems ensure optimum climate conditions throughout the entire hall, even where different requirements are involved. The supply and extract air handling units, supply air units and recirculation units are equipped with optimised air distribution and, if desired, their own heat and cold generation system.

Hoval indoor climate systems overcome any challenge

- Decentralised and modular
- Efficient and economical
- Clean and ecological
- Competent and reliable

A single system – the interplay of perfectly matched products

- **RoofVent®**
Supply and extract air handling units for ventilating, heating and cooling high spaces with energy recovery.

Additional variants:

- with heat pump for decentralised heating and cooling
- with gas condensing boiler for decentralised heating

- **TopVent®**
Recirculation and supply air units for cost-effective heating and cooling of high spaces with recirculated or mixed air

Additional variants:

- as roof units for more space and undisturbed operation in the hall
- with heat pump for decentralised heating and cooling
- with gas condensing boiler for decentralised heating

- **ProcessVent**
compact units for ventilating, heating and cooling production halls with highly efficient energy recovery from process air



Decentralised and modular.

We design our Hoval indoor climate systems as technically autonomous and energy-independent individual solutions.

Quick and easy to plan, our systems can be perfectly integrated into virtually any environment without the need for structural measures.

And if things change in the future, our solutions simply develop along with your plans. Whether converting or expanding, the modular structure of the Hoval systems allows you to adapt to new challenges with minimal expense and low investment costs.

Maximum practicality and perfectly matched – we tailor your indoor climate system to your exact specifications

- Efficient air distribution with the integrated Air-Injector – reduced heat loss and no pressure drops in ducts
- Huge choice of units and specific designs for every application
- Completely preassembled, ready-to-connect systems for hassle-free installation, quick start-up and easy maintenance
- Compatible, open-interface components for easy connectivity to external connections and perfect integration with the building management system



Efficient and economical.



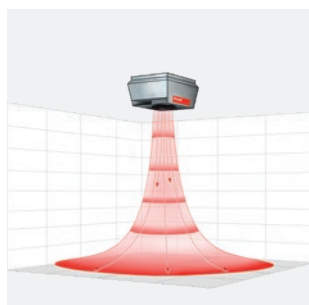
Hoval indoor climate systems are an easy and efficient solution. The patented Hoval Air-Injector air supply and distribution system helps reduce temperature stratification in the halls. The difference between the room temperature under the roof and the outside temperature remains small and only a minimal amount of energy is lost through the roof.

The Air-Injector's powerful, efficient air distribution allows the components to cover a large operating area, meaning that only a relatively low air flow rate is required. Not only does this save on investment costs, but also on drive energy and running costs too. Potential energy savings for specific applications can quickly and easily be calculated using the Hoval calculation tool.

The ready-to-connect, pre-installed units with integrated measurement, control and regulation components also ensure cost-effective, quick and smooth system planning, installation and start-up of the systems.

Efficient indoor climate systems are good for the environment – and your finances

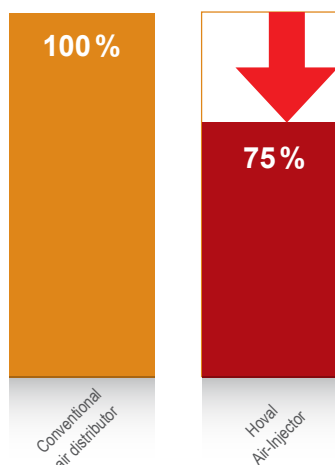
- Ideal air supply and distribution for minimum energy loss and maximum comfort
- Connection of recirculation units optimised according to requirements
- “Air-Quality” operating mode for ventilation according to requirements
- Economical night cooling with temporarily adapted reduced air volume
- 24/7 cooling and overheating protection
- Hoval energy recovery – offering superior performance and even higher energy efficiency



Heating operation: The supply air is warmer and thus lighter than the room air. The vertical inflow of air ensures that the heat reaches the areas where it is needed.



Cooling operation: The inflowing air is colder than the room air and sinks. To avoid draughts, it is injected horizontally.



Compared to other systems, they often require far lower air flow rates to achieve the required and desired conditions.

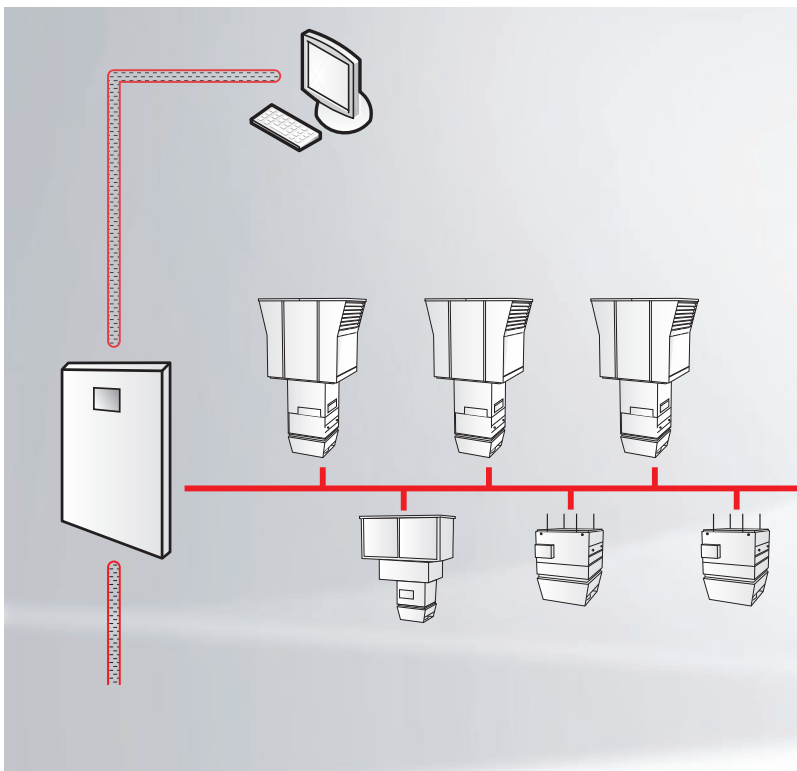
Clean and ecological.

Hoval indoor climate systems create a comfortable climate and always ensure fresh air. By guiding the air streams separately in the plate heat exchanger, dirt and odours from the extract air are diverted directly outside, preventing contamination of the supply air.

The individual indoor climate system units are installed on the ceiling or in the roof, distributed throughout the interior. Supply and extract air ducts are not required and there are no contaminated, difficult-to-clean pipes. Duct-free ventilation is therefore able to ensure maximum hygiene and comfort.

Fresh air at all times – a plus for the environment and your health

- Renewable energy for heating and cooling
- Highly efficient energy recovery
- Fully separate air streams in energy recovery
- Clean supply air at all times, as difficult-to-clean air ducts are not required



The zone-based control concept enables need-based ventilation, heating and cooling of indoor areas used for various purposes.

Competent and reliable.

Right from the planning stage, our specialists get to grips with your system's unique requirements profile. Drawing on their expertise and years of experience, they bring together the best possible units and components from across the Hoval product ranges to create your tailor-made indoor climate system. Energy efficient and cost effective, easy to operate, environmentally friendly, easy to service and good for your staff.

You can rely on Hoval – over the entire lifecycle of our products

- Ready-to-connect systems with pre-defined hydraulic and electric connection points for hassle-free planning
- Compact and simple function units with easy, clearly defined operating modes for smooth integration in any building
- Patented control algorithms with our specialists' expertise for energy-efficient operation
- Safety guarantee with CE certification
- Reliable, durable operation and hassle-free maintenance during operating times due to units that can be deactivated individually
- Independent unit response to alarm messages with alarm notification via e-mail
- Local contact for guaranteed close cooperation and immediate assistance at all times
- One contact person for the entire system



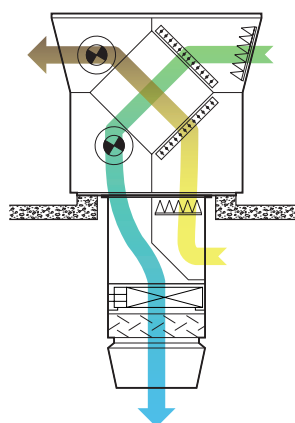
RoofVent® supply and extract air handling units

Ventilation, heating and cooling of high spaces with energy recovery.

There is more than 45 years of climate technology experience in the new RoofVent® generation. This experience has allowed us to see what an environmentally compatible and easy-to-use indoor climate system looks like. The units in the RoofVent® product range control the supply of fresh air and the removal of extract air through the roof – all while guaranteeing maximum energy efficiency. This economical and ecological indoor climate solution is perfect for use in combination with heat pumps.

RoofVent® supply and extract air handling units – it doesn't get more efficient than this

- Huge amount of flexibility and customised applications due to diverse product variants with optional equipment
- Heat recovery rate of up to 86% with the Hoval high-performance plate heat exchanger
- Suitable for combination with reversible heat pumps with a heating and cooling capacity of up to 67 kilowatts
- Reduced investment costs, as an equipment room and water supply network are not required
- Easily extendable with additional units
- Connection point for the entire electrical system on the below-roof unit – the electrical supply for the roof unit is integrated and tested at the factory
- Hoval HK-Select planning tool with all technical data for the quick and easy design of the RoofVent® units
- Efficient air distribution with the integrated Air-Injector – reduced heat loss and no pressure drops in ducts



Technical data	
Air flow rate	m³/h
Heat output	kW
Cooling capacity (total)	kW
Operating distance	m x m
Weight	kg



Supply and extract air handling units with efficient air distribution

RoofVent® RP Heating and cooling with decentralised heat pump	RoofVent® RG Heating with gas-fired heat generation	RoofVent® RH Heating with central heat generation	RoofVent® RC Heating and cooling with central heat and cold generation in the 2-pipe system	RoofVent® RHC Heating and cooling with central heat and cold generation in the 4-pipe system
Ventilation <ul style="list-style-type: none"> ■ Fresh air supply ■ Extract air removal ■ Filters fresh air, recirculated air and extract air ■ Air distribution with Air-Injector ■ Recirculation operation 	Ventilation <ul style="list-style-type: none"> ■ Fresh air supply ■ Extract air removal ■ Filters fresh air, recirculated air and extract air ■ Air distribution with Air-Injector ■ Recirculation operation 	Ventilation <ul style="list-style-type: none"> ■ Fresh air supply ■ Extract air removal ■ Filters fresh air, recirculated air and extract air ■ Air distribution with Air-Injector ■ Recirculation operation 	Ventilation <ul style="list-style-type: none"> ■ Fresh air supply ■ Extract air removal ■ Filters fresh air, recirculated air and extract air ■ Air distribution with Air-Injector ■ Recirculation operation 	Ventilation <ul style="list-style-type: none"> ■ Fresh air supply ■ Extract air removal ■ Filters fresh air, recirculated air and extract air ■ Air distribution with Air-Injector ■ Recirculation operation
Heating <ul style="list-style-type: none"> ■ With heat pump 	Heating <ul style="list-style-type: none"> ■ With condensing gas boiler 	Heating <ul style="list-style-type: none"> ■ With connection to boiler system 	Heating <ul style="list-style-type: none"> ■ With connection to boiler system 	Heating <ul style="list-style-type: none"> ■ With connection to boiler system
Cooling <ul style="list-style-type: none"> ■ Free cooling ■ With heat pump 	Cooling <ul style="list-style-type: none"> ■ Free cooling 	Cooling <ul style="list-style-type: none"> ■ Free cooling 	Cooling <ul style="list-style-type: none"> ■ Free cooling ■ With connection to water chiller 	Cooling <ul style="list-style-type: none"> ■ Free cooling ■ With connection to water chiller
Energy recovery	Energy recovery	Energy recovery	Energy recovery	Energy recovery
RP-6 RP-9	RG-9	RH-6 RH-9	RC-6 RC-9	RHC-6 RHC-9
5500 8000	8000	5500 8000	5500 8000	5500 8000
up to 33,5/40 up to 67	up to 70	up to 78 up to 139	up to 78 up to 139	up to 78 up to 139
up to 33,5/40 up to 67	–	– –	up to 52 up to 98	up to 52 up to 98
22 x 22 28 x 28	28 x 28	22 x 22 28 x 28	22 x 22 28 x 28	22 x 22 28 x 28
911 1200	1251	849 1104	882 1171	919 1244

TopVent® recirculation and supply air units

Cost-effective solution for heating and cooling high spaces with supply air, recirculation or mixed air.

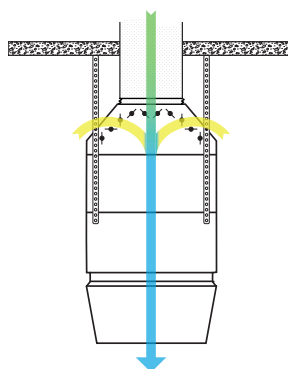
From large halls and high spaces to high-bay warehouses and supermarkets, the extensive model range in the TopVent® supply air and recirculation unit series caters to even the most diverse requirements and individual comfort expectations. The combination of decentralised and central heat and cold generation and the decentralised ventilation unit guarantees maximum sustainability in both the medium and long term.

Supply air and recirculation units in different output levels guarantee efficient air distribution via the patented Air-Injector vortex air distributor. Depending on the difference in temperature between the hall air and the air being blown in, the Air-Injector continuously and automatically adjusts the blowing angle and ensures an optimum flow stability.



The future of indoor climate systems: cost efficient, flexible and environmentally friendly

- Maximum flexibility for all types of halls and hall usages with its modular and scalable system building block design with controller TopTronic® C (heat generation, recirculation air heating and cooling and zone-based control)
- Cost-effective supplement to the RoofVent® supply and extract air handling systems if there is a temporary increase in demand for heat or cooling capacity
- Air duct-free systems for easy assembly and low energy consumption
- Different coil types and accessories for tailor-made solutions
- Air curtains of different sizes and designs to protect entrance areas against the cold
- Control of up to ten units with the EasyTronic EC controller
- All supply air units can easily be adapted for operation with recirculated or mixed air
- All supply air units are available in two sizes, each fitted with a continuously adjustable fan and heating/cooling coil in different output levels for tailor-made solutions
- Hoval HK-Select planning tool with all technical data for the quick and easy design of the TopVent® units
- Efficient air distribution with the integrated Air-Injector – reduced heat loss and no pressure drops in ducts



Technical data	
Air flow rate	m³/h
Heat output	kW
Cooling capacity (total)	kW
Operating distance	m x m
Weight	kg

TopVent® recirculation units



Recirculation units with efficient air distribution

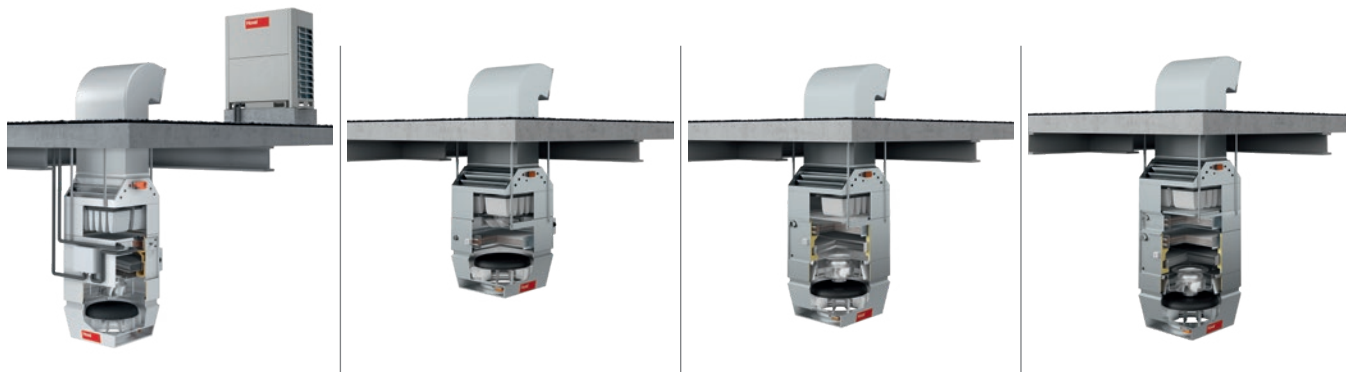
TopVent® TP Heating and cooling with decentralised heat pump		TopVent® TH Heating with central heat generation		TopVent® TC Heating and cooling with central heat and cold generation in the 2-pipe system		TopVent® THC Heating and cooling with central heat and cold generation in the 4-pipe system	
Ventilation <ul style="list-style-type: none"> ■ Recirculation operation ■ Air distribution with Air-Injector ■ Air filtration (option) 		<ul style="list-style-type: none"> ■ Ventilation ■ Recirculation operation ■ Air distribution with Air-Injector ■ Outlet nozzle (option) ■ Air filtration (option) 		Ventilation <ul style="list-style-type: none"> ■ Recirculation operation ■ Air distribution with Air-Injector ■ Air filtration (option) 		Ventilation <ul style="list-style-type: none"> ■ Recirculation operation ■ Air distribution with Air-Injector ■ Air filtration (option) 	
Heating <ul style="list-style-type: none"> ■ With heat pump 		Heating <ul style="list-style-type: none"> ■ With connection to boiler system 		Heating <ul style="list-style-type: none"> ■ With connection to boiler system 		Heating <ul style="list-style-type: none"> ■ With connection to boiler system 	
Cooling <ul style="list-style-type: none"> ■ With heat pump 				Cooling <ul style="list-style-type: none"> ■ With connection to water chiller 		Cooling <ul style="list-style-type: none"> ■ With connection to water chiller 	
TP-6	TP-9	TH-6	TH-9	TC-6	TC-9	THC-6	THC-9
6000	9000	6000	9000	6000	9000	6000	9000
up to 33,5/40	up to 67	up to 76	up to 118	up to 76	up to 141	up to 76	up to 118
up to 33,5/40	up to 67	–	–	up to 44	up to 87	up to 44	up to 87
23 x 23	30 x 30	23 x 23	30 x 30	23 x 23	30 x 30	23 x 23	30 x 30
245	316	111	166	216	276	269	340

TopVent® recirculation units



Recirculation units						
TopVent® TW Air curtain with central heat generation			TopVent® TV Heating with central heat generation			
Ventilation <ul style="list-style-type: none">■ Recirculation operation■ Air distribution via outlet nozzle			Ventilation <ul style="list-style-type: none">■ Recirculation operation■ Air distribution via air outlet louvre			
Heating <ul style="list-style-type: none">■ With connection to boiler system			Heating <ul style="list-style-type: none">■ With connection to boiler system			
Technical data			TW-2	TW-3	TW-5	TV-2 TV-4 TV-5
Air flow rate	m³/h		1850	3100	4400	2100 4850 5700
Heat output	kW		up to 11	up to 20	up to 29	up to 13 up to 30 up to 45
Cooling capacity (total)	kW		–	–	–	– – –
Operating distance	m x m		Door height up to 3.7 m			7 x 7 10 x 10 12 x 12
Weight	kg		23	31	39	16 23 24

TopVent® supply air units



Supply air units with efficient air distribution

TopVent® MP Heating and cooling with decentralised heat pump		TopVent® MH Heating with central heat generation		TopVent® MC Heating and cooling with central heat and cold generation in the 2-pipe system		TopVent® MHC Heating and cooling with central heat and cold generation in the 4-pipe system	
Ventilation <ul style="list-style-type: none"> ■ Fresh air supply (duct connection) ■ Mixed air operation ■ Recirculation operation ■ Air distribution with Air-Injector ■ Air filtration 		Ventilation <ul style="list-style-type: none"> ■ Fresh air supply (duct connection) ■ Mixed air operation ■ Recirculation operation ■ Air distribution with Air-Injector ■ Air filtration 		Ventilation <ul style="list-style-type: none"> ■ Fresh air supply (duct connection) ■ Mixed air operation ■ Recirculation operation ■ Air distribution with Air-Injector ■ Air filtration 		Ventilation <ul style="list-style-type: none"> ■ Fresh air supply (duct connection) ■ Mixed air operation ■ Recirculation operation ■ Air distribution with Air-Injector ■ Air filtration 	
Heating <ul style="list-style-type: none"> ■ With heat pump 		Heating <ul style="list-style-type: none"> ■ With connection to boiler system 		Heating <ul style="list-style-type: none"> ■ With connection to boiler system 		Heating <ul style="list-style-type: none"> ■ With connection to boiler system 	
Cooling <ul style="list-style-type: none"> ■ With heat pump 		Cooling <ul style="list-style-type: none"> ■ Free cooling 		Cooling <ul style="list-style-type: none"> ■ Free cooling ■ With connection to water chiller 		Cooling <ul style="list-style-type: none"> ■ Free cooling ■ With connection to water chiller 	
MP-6	MP-9	MH-6	MH-9	MC-6	MC-9	MHC-6	MHC-9
6000	9000	6000	9000	6000	9000	6000	9000
up to 33,5/40	up to 67	up to 78	up to 121	up to 78	up to 145	up to 78	up to 121
up to 33,5/40	up to 67	–	–	up to 34	up to 68	up to 34	up to 68
23 x 23	30 x 30	23 x 23	30 x 30	23 x 23	30 x 30	23 x 23	30 x 30
304	380	172	228	266	334	305	399

TopVent® roof units

The TopVent® roof ventilation units have been specially developed for the requirements of modern logistics, production or industrial halls.

- Maintenance access from the outside
- Optimum climate
- Economical

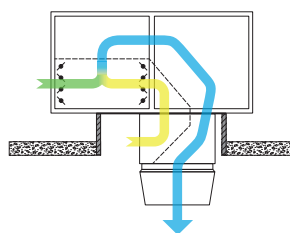
These units are mainly used where **undisturbed hall operation** at a constant temperature is required. Service, maintenance and even installation are performed from the roof, so operation can continue in the hall without any disruption.

4 recirculation and supply air units in each case, with various output levels, guarantee efficient air distribution via the patented Air-Injector vortex air distributor.

Heating and cooling is possible using a central supply or with a decentralised heat pump.

For undisturbed hall operation.

- Maintenance work can be performed from the roof, meaning that work in the hall is not restricted.
- Little space is required in the hall – there just needs to be enough room for air distribution.
- Hoval HK-Select planning tool with all technical data for the quick and easy design of the TopVent® units
- Efficient air distribution with the integrated Air-Injector – lower heat losses and no duct pressure losses



Technical data	
Air flow rate	m³/h
Heat output	kW
Cooling capacity (total) kW	
Operating distance	m x m
Weight	kg

TopVent® roof recirculation units



Roof recirculation units

TopVent® CP
Heating and cooling
with decentralised
heat pump

TopVent® CH
Heating
with central heat
generation
in the 2-pipe system

Lüften

- Recirculation operation
- Air distribution with Air-Injector
- Air filtration

Ventilation

- Recirculation operation
- Air distribution with Air-Injector
- Outlet nozzle (Option)
- Air filtration

Heating

- With heat pump

Heating

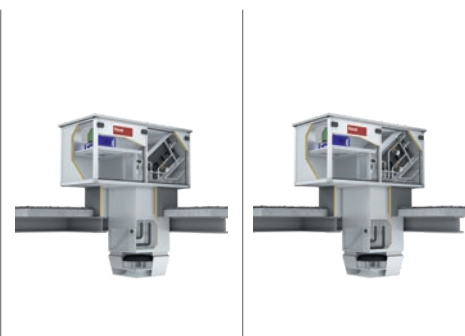
- With connection to boiler system

Cooling

- With heat pump

CP-6	CP-9	CH-6	CH-9
6000	9000	6000	9000
up to 33,5/40	up to 67	up to 76	up to 118
up to 33,5/40	up to 67	–	–
23 x 23	31 x 31	23 x 23	31 x 31
672	869	616	719

TopVent® roof supply air units



with efficient air distribution

TopVent® CC
Heating and cooling with central heat and cold generation in the 2-pipe system

Ventilation

- Recirculation operation
- Air distribution with Air-Injector
- Air filtration

Heating

- With connection to boiler system

Cooling

- With connection to water chiller

TopVent® CHC
Heating and cooling with central heat and cold generation in the 4-pipe system

Ventilation

- Recirculation operation
- Air distribution with Air-Injector
- Air filtration

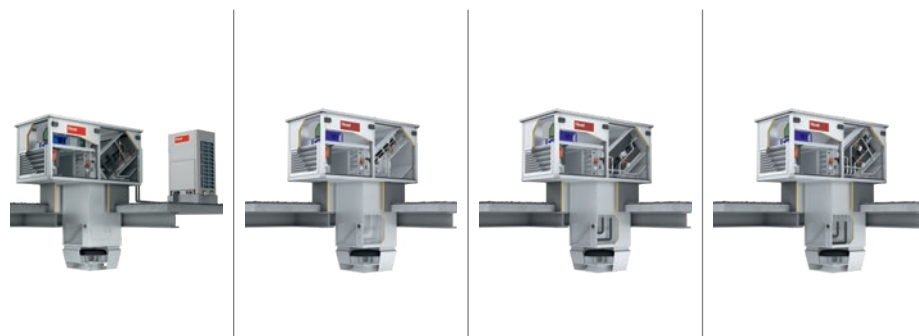
Heating

- With connection to boiler system

Cooling

- With connection to water chiller

CC-6	CC-9	CHC-6	CHC-9
6000	9000	6000	9000
up to 76	up to 141	up to 76	up to 118
up to 44	up to 87	up to 44	up to 87
23 x 23	31 x 31	23 x 23	31 x 31
647	843	684	898



Roof supply air units with efficient air distribution

TopVent® SP
Heating and cooling with decentralised heat pump

Lüften

- Umluftbetrieb
- Zuluftbetrieb
- Luftverteilung mit Air-Injector
- Luftfilterung

Heating

- With heat pump

Cooling

- Free cooling
- With heat pump

TopVent® SH
Heating with central heat generation in the 2-pipe system

Ventilation

- Recirculation operation
- Supply air operating mode
- Air distribution with Air-Injector
- Outlet nozzle (Option)
- Air filtration

Heating

- With connection to boiler system

Cooling

- Free cooling

TopVent® SC
Heating and cooling with central heat and cold generation in the 2-pipe system

Ventilation

- Recirculation operation
- Supply air operating mode
- Air distribution with Air-Injector
- Air filtration

Heating

- With connection to boiler system

Cooling

- Free cooling
- With connection to water chiller

TopVent® SHC
Heating and cooling with central heat and cold generation in the 4-pipe system

Ventilation

- Recirculation operation
- Supply operating air mode
- Air distribution with Air-Injector
- Air filtration

Heating

- With connection to boiler system

Cooling

- Free cooling
- With connection to water chiller

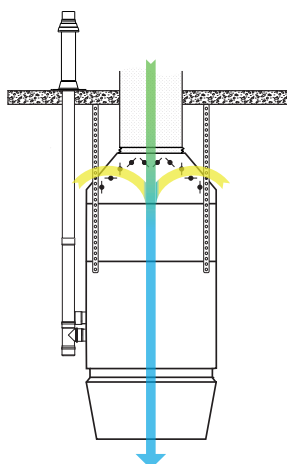
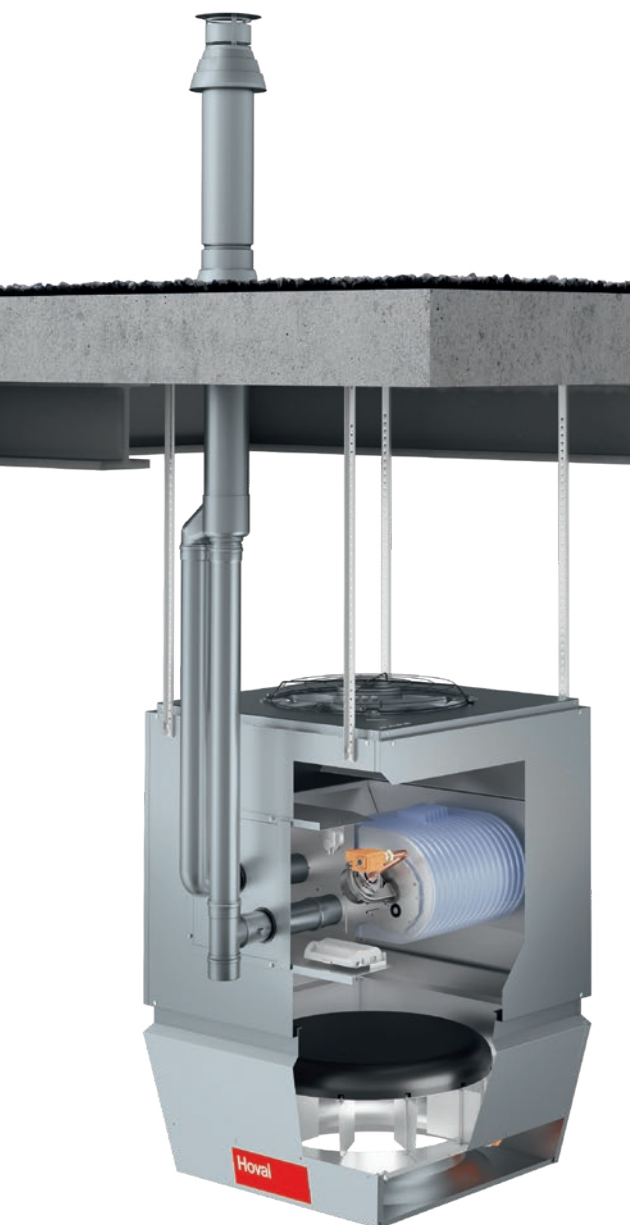
SP-6	SP-9	SH-6	SH-9	SC-6	SC-9	SHC-6	SHC-9
6000	9000	6000	9000	6000	9000	6000	9000
bis 33,5/40	bis 67	up to 78	up to 121	up to 78	up to 145	up to 78	up to 121
bis 33,5/40	bis 67	–	–	up to 34	up to 68	up to 34	up to 68
23 x 23	31 x 31	23 x 23	31 x 31	23 x 23	31 x 31	23 x 23	31 x 31
717	924	661	846	692	898	729	953

TopVent® gas-fired recirculation and supply air units:

In TopVent® gas units, heat is generated via a decentralised, gas-fired heat exchanger. The modulating premix burners used keep emissions to a minimum, guaranteeing cost effectiveness and environmental efficiency. The systems are delivered ready to install with a suspension set and exhaust accessories.

Generates heat exactly where it is needed – superior technology for decentralised heating

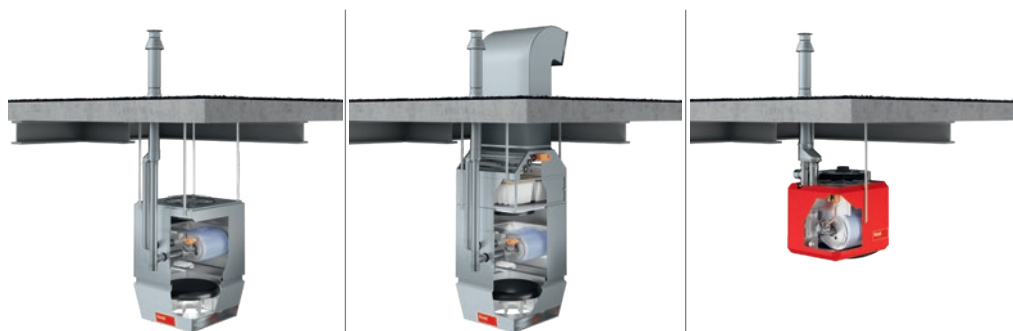
- Heat is generated exactly where it is needed and is guided directly into the hall without any losses. No pipes or heat loss from the heat generator to the heat consumer
- Reduced investment and running costs, as a boiler room, fuel storage room and hot water supply network are not required for the gas-fired system
- Room air-independent supply – supply air is injected from outside
- Broad model range permits planning to size – precisely attuned to the room circumstances and specific requirements
- TempTronic MTC – cost-effective basic controller for up to 8 TopVent GV units
- Air distribution is continuously adjusted with the integrated Air-Injector



Technical data

Air flow rate	m³/h
Heat output	kW
Operating distance	m x m
Weight	kg

TopVent® gas-fired recirculation and supply air units:



Gas-fired recirculation and supply air units with efficient air distribution

TopVent® TG Recirculation unit with efficient air distribution		TopVent® MG Supply air unit with efficient air distribution		TopVent® GV Recirculation unit	
Ventilation <ul style="list-style-type: none"> ■ Recirculation operation ■ Air distribution with Air-Injector ■ Air filtration (option) ■ Outlet nozzle (option) 		Ventilation <ul style="list-style-type: none"> ■ Fresh air supply (duct connection) ■ Mixed air operation ■ Recirculation operation ■ Air distribution with Air-Injector ■ Air filtration 		Ventilation <ul style="list-style-type: none"> ■ Recirculation operation ■ Air distribution via air outlet louvre 	
Heating <ul style="list-style-type: none"> ■ With gas-fired heat exchanger 		Heating <ul style="list-style-type: none"> ■ With gas-fired heat exchanger 		Heating <ul style="list-style-type: none"> ■ With gas-fired heat exchanger 	
TG-6	TG-9	MG-6	MG-9	GV-3	GV-5
7000	11000	7000	11000	4200	8500
30	60	30	60	30	50
28 x 28	31 x 31	28 x 28	31 x 31	12 x 12	16 x 16
125	170	175	230	40	80

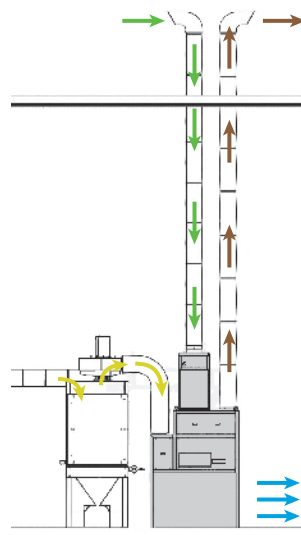
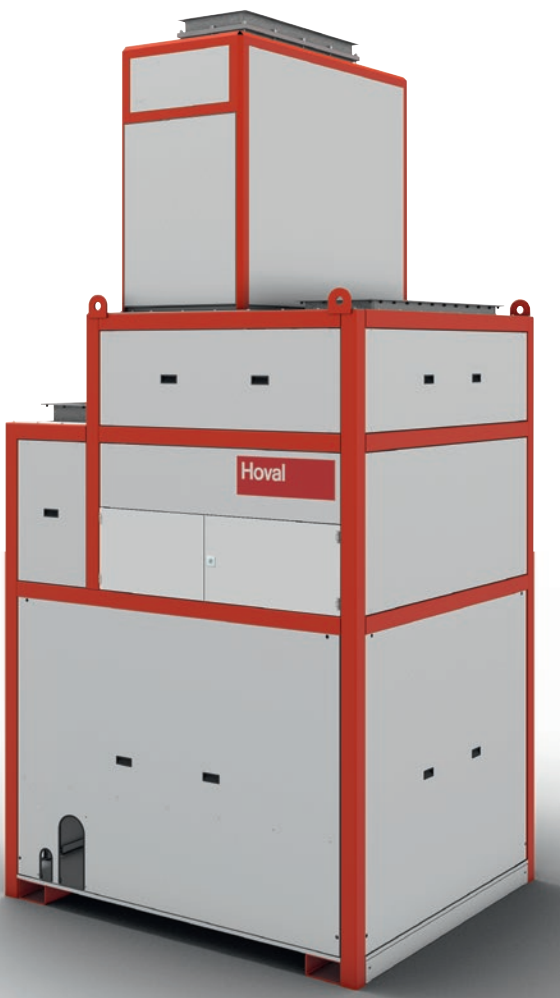
ProcessVent compact units

Ventilation, heating and cooling of production halls with highly efficient energy recovery from process air.

ProcessVent units in combination with an extract air purification plant form a single efficient universal system with outstanding emission levels and heating cost savings of up to 98%. The compact units are deployed in halls with enclosed machine tools or welding plants and are positioned right next to machine groups.

Clear the air and benefit from a healthy indoor climate and reduced operating costs

- Energy recovery from (clean) process air via an oil-tight plate heat exchanger ensures significantly reduced heat energy costs.
- Ecological! Even vapours which are not captured by the extract air purification plant condense in the oil-tight plate heat exchanger of the ProcessVent units. Cutting fluid can therefore be recovered or disposed of in an environmentally responsible manner.
- Choice of a heating/cooling coil for supplemental heating or cooling of the fresh air, or in recirculation operation
- ProcessVent units use the integrated control to work both in conjunction with the extract air purification plant or autonomously. This means that each unit can be tailored to each operating condition.
- Complies with the legal requirements for energy-efficient, environmentally friendly production methods and healthy working conditions
- Possibility of an investment subsidy through relevant subsidy programmes, including subsidies for cross-sectional technologies or energy recovery and waste heat utilisation measures



Technical data

Air flow rate	m³/h
Heat output	kW
Cooling capacity (total)	kW
Operating distance	m x m
Weight	kg



Compact units with energy recovery from process air

ProcessVent PV Compact unit for ventilating with energy recovery from process air	ProcessVent PVH Compact unit for ventilating and heating with energy recovery from process air	ProcessVent PVC Compact unit for ventilating, heating and cooling with energy recovery from process air
Ventilation <ul style="list-style-type: none"> ■ Fresh air supply ■ Extract air removal (air conveyance via the extract air purification plant) ■ Recirculation operation ■ Air filtration 	Ventilation <ul style="list-style-type: none"> ■ Fresh air supply ■ Extract air removal (air conveyance via the extract air purification plant) ■ Recirculation operation ■ Air filtration 	Ventilation <ul style="list-style-type: none"> ■ Fresh air supply ■ Extract air removal (air conveyance via the extract air purification plant) ■ Recirculation operation ■ Air filtration
	Heating <ul style="list-style-type: none"> ■ With connection to boiler system 	Heating <ul style="list-style-type: none"> ■ With connection to boiler system
		Cooling <ul style="list-style-type: none"> ■ With connection to water chiller
Energy recovery from process air		
PV-10	PVH-10	PVC-10
10000	10000	10000
–	up to 234	up to 256
–	–	up to 118
–	–	–
1657	1699	1754

Simply change the world

Hoval references.

Hoval's sophisticated air and climate solutions are ensuring the supply of healthy, fresh air and pleasant heat around the world – in distant China and high up on our own mountain peaks. Discover the world of Hoval's indoor climate systems.

Join us on a journey across the globe and discover more about our technologically superior indoor climate systems::

- At long-established tool, mould and fixture manufacturer Veith in Öhringen, Baden-Württemberg, Germany
- In the "green building" at the Pannonian Wood Competence Center in Virovitica, Croatia
- At Italian plastic caps producer Invat in Ovada, Piedmont, Italy

Expansion of production at metal processing company Veith

Globally operational and steeped in tradition, Alfred Konrad Veith GmbH & Co. KG's production operations are spread across two sites with a total of 200 employees and over 7,000 m² of production space. The company has stood for premium products for over 100 years, and Veith's passion for quality and precision is equally reflected in its choice of ventilation and heating solution.

- 5 RoofVent® RH-9 units ventilate and heat the production hall for stamping parts and the tool shop
- Hoval TopTronic® C controls energy-efficient heating and ventilation
- Overnight cooling with fresh air preserves resources



„The ventilation is barely perceptible,
but the climatic conditions in the hall are
always excellent.“

Nana Filipović
Pannonian Wood Competence Center

Competence centre housed in “green building”

The largest project to be backed by the European structural and investment funds to date, construction of the “green building” at the Pannonian Wood Competence Center in the Croatian city of Virovitica was completed in 2016. The innovation and development centre supports wood processing companies and was designed according to “green building” principles. Hoval’s decentralised indoor climate system serves to perfectly extend the centre’s sustainability in terms of heating and ventilation

- 2 RoofVent® RH
- 2 TopVent® TH



Invat Srl in Ovada, Piedmont, Italy

Invat Srl has been producing a range of products including plastic caps and PET bottles for cooking oils and chemicals for over 50 years. With its own Research and Development department, the company produces safe and easy-to-use products. Exceptional quality, affordable prices and first-class customer service are also integral to the company’s philosophy. Invat relies on Hoval for the ventilation and heating of its production hall for plastic caps.

- 3 RoofVent® RC-9
- 6 TopVent® TC-9
- 3 TopVent® TC-6
- Hoval TopTronic® C control for energy-efficient heating and ventilation



All good things come from above

Indoor climate systems in use.

Whatever your requirements, we will make sure that you get the very best air quality – in factory and production halls, logistics centres, airplane hangars, maintenance hangars, shipyards, shopping centres, building centres, sports facilities, swimming pools, trade fair halls, multi-purpose halls, car showrooms, and wherever else you need it.





Hoval quality.
You can count on us.

Hoval

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. So you can save energy while looking after the environment and your costs – and still enjoy the same level of comfort.

Hoval is one of the leading international companies for indoor climate solutions. More than 75 years of experience continuously motivate us to design innovative system solutions. We manufacture complete 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

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Your Hoval partner