Möhlenhoff System Convectors
Innovative project solutions in the underfloor range

For optimum room climate
Möhlenhoff
Future through Ideas

Möhlenhoff GmbH is one of the most innovative manufacturer of products and systems for heating, air condition and climate technology worldwide, with company headquarters in Salzgitter, Lower Saxony, Germany.

The brand Möhlenhoff stands for the development of path-breaking and high-quality product solutions in the sectors of electronic individual temperature room control, trench heaters and cover grilles.

‘Future through ideas’, the mission statement of the company has been the firm philosophy since the development of the first trench heater for screening off cold air more than 30 years ago.

We are focusing on the development and on the production of reliable, practice-oriented and easily operable devices contributing to a comfortable room climate.
Möhlenhoff innovations for your project solutions

Today’s modern and transparent architecture styles demand innovative in-floor heating and cooling systems solutions with the highest attention requirements to design and functionality.

In order to fulfill these requirements, Möhlenhoff has developed different trench heaters which can be optimally integrated into every room arrangement of a modern building.

Due to our system concept, our System Convectors product range is very flexible, allowing to find a perfect solution for almost every room interior and all design wishes. Also for difficult room conditions, trench heaters by Möhlenhoff can offer an unimposing and barrier-free solution in front of full height glazing.

**Heating**

System Convectors solve “cold air drop” problems and offer a whole range of further advantages:
- Screening off cold air – eliminating condensation
- Barrier-free view in front of glazing
- Energy full height glazing
- Instantaneous heat, in particular in seasonal transition times
- Maximum output at low inlet temperature
- Room heating as primary or secondary source

**Cooling and Source Air**

The perfect insulation of buildings requires apart from a regular air exchange, also room cooling. System Convectors offer next to the a heating function, also the cooling and the heating of source air.
An Overview in Excellence

In a continuous dialogue with our customers, we fulfil the needs of building owners as well as of craftsmen for an optimum product offer. In accordance with our Working Principle „Only an entirely perfect product guarantees long term customer satisfaction“ Möhlenhoff offers a number of advantages:

- One-stop overall system
- Fast, exact elaboration of standard and special solutions
- Quick delivery – optionally to different places of supply
- Easy installation due to modular fitting accuracy
- Intelligent functions
- Control technology for a technically mature individual room control system

**Quiet Operation**
The rubber bearing of the Designer Grille eliminates impact sounds, and thus prevents the rattling of typical grille covers.

**Design**
The Designer Grille has a very harmonious appearance with its rounded aluminium bars and can be comfortably traversed barefoot.

**Handling**
The replacement of individual bars; cutting-edge covering; narrow rolling capacity: only the Möhlenhoff Designer Grille offers all this.

**Efficiency**
The optimised heat exchanger ensures outstanding thermal capacity.
- Energy-saving with high efficiency.

**Silence of Operation**
The heat exchanger are positioned in the system bulkhead in a sound retaining way that almost completely eliminates the otherwise usual creaking noises.

**Height adjustment**
Simple one-hand adjustment of the convector troughs by means of adjustment blocks (inside or outside position)

**Value Retention**
Only high-quality, corrosion-resistant materials are used during first-class processing and manufacturing.

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The Best Solution
for your individual needs

Innovative Design

- High-class looks and quality
  - Perfect surface finish with Designer Grille designs
  - Vast offers for arrangements with Designer Grille
  - Narrow, high-class visible rim

- Noiseless operation
  - Step-on quietness due to Designer Grille with rubber bearing
  - No dilatation noises due to patented heat exchanger suspension
  - Adjustment blocks with rubber buffers for acoustic decoupling

- Attractive price-performance ratio

Flexible Planning

- Innovative product solution
  - Product offer for heating, heating/cooling and source air
  - Thermal output tested according to EN 442 or DIN 4704-4-5-1999-10
  - Operation possible in the range of LPHW 75/65 °C as well as in the low temperature range LPHW 40/30°C
  - Special solutions as e. g. bevels, round arcs, line guidance, source air outlets, special connections
  - Massive aluminium system profile
  - Product offer completely out of own development and production in Germany

Easy Installation

- Craftsmen-friendly installation technology
  - Eurocone valve connection with bleeding
  - Low transport weight (25% lighter than steel)
  - Simple alignment due to step-safe height adjustment blocks
  - No danger of injuries by sharp edges, burrs and slots
  - Installation cover included in the scope of delivery
Service is a central component of the System Convector product range. At the same time, all the components of the system that interlock exactly. Möhlenhoff offers a completely coordinated product range. As a manufacturer of complete System Conectors, high performance heat exchangers, and climate control technology, Möhlenhoff delivers customer solutions for the perfect individual room temperature control.

At Möhlenhoff, everything is available from one source. For the customer, this means: fast and exact delivery of standard and special solutions; fast delivery (optionally to different delivery destinations); easy installation because of production accuracy; and last but not least, a unique price performance ratio.

Best of all: At the end, everything works perfectly!
Our Services

We consult planners, architects and installers with respect to optimal trench heater planning.

EDP Planning Data
We offer you numerous standard data and a lot of information:

- Tendering texts in Datanorm, GAEB, MS Word
- Technical data sheets
- CAD data in dwg format
- Planning datasets as e.g. BDH 2.0, VDI 3805
- SYSCON – Software for planning and quick search
- Webpage with extensive information

Möhlenhoff Planning Service
In order to achieve an individual and optimal project solution, we offer you an effective and safe support of your planning activities up to the commissioning phase, in the scope of the partial planning support:

- Measurement team on-site
- Installation consulting
- Training offers

We are happy to help you design a trench heater with our CAD-system that will fit your individual specifications. To do this, we require a floor-plan with the following information:

- Facade lengths
- Corner angles
- Distance of trench heater to glazing
- Calculated heat consumption
- Possible installation depth
- Temperature range and average temperature
- Designer Grille colour or décor
- Designer Grille type
- Details about accessories or additional regulation requirements
- Information on architectural peculiarities at the site

Our employees in the distribution and service organisation department will always assist you with competent consultancy from planning through ordering.

Customer proximity is ensured by international distribution partners or Moehlenhoff itself.

You can find technical information for your planning in the planning manuals; Output data can be calculated with the SYSCON planning software.
The System Convector captivates with its interior as well as with its high-quality technical construction. The crowning aesthetic completion of any System Convectors is the Designer Grille. The Designer Grille gives the areas to be covered an elegant appearance, adapted to the environment.

The Designer Grille is unique in the combination of timelessly elegant appearance, simple to handle, silent design and safe step-on during operation, and value retention due to the material used. According to the wish of the building owner, the Designer Grille is offered in roll-up or linear.

The Designer Grille is able to meet individual design concepts with a variety of colours and décor possibilities. Choose from an RAL colour or combination, or the high-quality décor designs to accent a modern interior or harmonise a classic interior design concept.

In the end, the Designer Grille is a showpiece for every planner, architect, and heating-system installer, not to mention an aesthetic asset for the owner.
Innovative Design
for sophisticated projects

**Design**
Distinctive mark of the Designer Grille: the elegant appearance due to narrow, rounded bar profiles. The omission of bar joints gives the Möhlenhoff grille its characteristic, sophisticated appearance.

**Step-on Quietness**
The rubber-coated underside of the belt ensures that the grille does not rattle or slip when traversed. It will always lie smoothly and evenly on the convector rim. Moreover, the edge protection of the bars avoids rattling noises produced by lateral tolerance.

**Easy Handling**
Replacement of individual bars, cutting edge covering, a narrow rolling capacity – only the Möhlenhoff Designer Grille offers all this. The Roll-up Grilles can be easily cut to fit on site. Roll length up to 10 meters are available.

**Dishwasher Safe**
The Designer Grille is extremely easy to maintain. The smooth surface doesn't offer adhesion areas for dust and dirt. Our hint: Simply roll up the Designer Roll-Up Grille and put it into the dishwasher if you want to clean it!

**Brand Quality**
The products made by Möhlenhoff are characterised by a very high quality standard, ensured by a modern management system and a distinctive quality awareness of our employees. The careful selection of materials, the high-quality manufacturing process and the quality assurance during the production are only some of many examples for standards being exceeded by far.

**Stainless**
Aluminium profile bars are used for all Designer Grille variants made by Möhlenhoff. This material is marked by extremely long lifetime. It is resistant against ultraviolet light and humidity, it doesn't rust, nor warp, nor change its colour. One more advantage: the extremely high stability of the aluminium profiles.

**High Safety**
The rounded bar profiles of the grille allow safe step-on – even bare-footed. A rubber bearing makes the Designer Grille non-skid. The integrated cutting edge cover of the grille protects the user against injuries during installation, cleaning, or maintenance work.

**High Strength**
The Designer Grille is appropriate for the daily use in pass-through areas of residential and office buildings; it is characterised by highest abrasion resistance. The Designer Grille has been tested in our own testing laboratory for chemical, thermal, mechanical and ultraviolet resistance, according to the most stringent criteria.
Apart from optimum functionality, it is after all the extensive and unique Möhlenhoff surface program which sets new scales with respect to design possibilities. The Designer Grille satisfies highest requirements to aesthetic appearance. For an individual expression, you can choose between different surface types:

1 **Different anodised shades**
   The surface finishing by anodisation emphasises the high-value character of the bar material.

2 **Stainless steel finish**
   The Designer Grille in stainless steel finish sets courses with respect to aesthetics. The anodisation of the aluminium bar profiles allows a very realistic stainless steel finish.

3 **RAL colour selection**
   Individual design requirements can be realised with the colour shades of the RAL system.

4 **High-value decors**
   A multitude of wood and stone surface decors are available for an exclusive room design.
Möhlenhoff is well renowned for the production of decors which are an exact copy of the original floor covering. Transition areas from the floor covering to the cover grille can be made as if cut of the same cloth.

Every wood and stone surface has an individual and unique colour shade. In order to guarantee a harmonic and smooth transition from the floor to the Designer Grille with respect to colours, we manufacture all decors according to customer patterns. This makes each decor unique.

By means of a perfect imitation of the decors, exclusive requirements to a harmonic overall solution in interior areas can be complied with.

This brochure shows you just a small selection of our expertise in the field of wood and stone decors.

Decors

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Every wood and stone surface has an individual and unique colour shade. In order to guarantee a harmonic and smooth transition from the floor to the Designer Grille with respect to colours, we manufacture all decors according to customer patterns. This makes each decor unique.

With our know-how and our experience from many projects we can produce almost all decors. We would be pleased to advise you with respect to design questions.

You can find technical information for your planning in the Designer Grille Planning Manual.
Six Solutions
to meet your needs

ESK
The Electric System Convector
Convection Principle:
Natural convection with electrically operated heat exchanger (Heating)

WSK
The Warm Water System Convector
Convection Principle:
Natural convection (Heating)

GSK
The Radial Fan-Assisted System Convector
Convection Principle:
Natural convection with forced convection by means of radial fan (Heating)
For the individual requirements of room heating and cooling, Möhlenhoff offers six different models of trench heaters for the applications of heating, heating/cooling and source air.

For the application cases with „Heating“ we offer Warm Water and Electric-System Conectors, working on the principle of natural convection. Additionally, fan-assisted trench heaters with radial and cross-flow fans are available, the efficiency of which - as compared to the Warm Water System Convector - is increased significantly by the use of a fan.

The Source Air System Convector uses the induction principle of the Radial Fan-Assisted System Convector. The source air accelerates the heating of the room air with a simultaneous feed of fresh air. For the application area of „Heating/Cooling“ Möhlenhoff offers the Cross-Flow Fan-Assisted System Convector heating/cooling. This convector based unit allows an excellent climate control of rooms by circulation of heated or cooling air.

**Working Principle:**
Forced convection by cross-flow fan assistance (Heating)

**Convection Principle:**
Forced convection by cross-flow fan assistance (Heating)
### System Convectors with Natural Convection

#### Warm Water System Convector

<table>
<thead>
<tr>
<th>Type</th>
<th>Height</th>
<th>Heat Output (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WSK 180</td>
<td>90 mm</td>
<td>146 W - 926 W</td>
</tr>
<tr>
<td></td>
<td>110 mm</td>
<td>176 W - 1116 W</td>
</tr>
<tr>
<td></td>
<td>140 mm</td>
<td>193 W - 1225 W</td>
</tr>
<tr>
<td></td>
<td>190 mm</td>
<td>218 W - 1382 W</td>
</tr>
<tr>
<td>WSK 260</td>
<td>90 mm</td>
<td>215 W - 1359 W</td>
</tr>
<tr>
<td></td>
<td>110 mm</td>
<td>253 W - 1605 W</td>
</tr>
<tr>
<td></td>
<td>140 mm</td>
<td>289 W - 1829 W</td>
</tr>
<tr>
<td></td>
<td>190 mm</td>
<td>345 W - 2185 W</td>
</tr>
<tr>
<td>WSK 320</td>
<td>90 mm</td>
<td>282 W - 1786 W</td>
</tr>
<tr>
<td></td>
<td>110 mm</td>
<td>325 W - 2061 W</td>
</tr>
<tr>
<td></td>
<td>140 mm</td>
<td>394 W - 2498 W</td>
</tr>
<tr>
<td></td>
<td>190 mm</td>
<td>445 W - 2817 W</td>
</tr>
<tr>
<td>WSK 410</td>
<td>90 mm</td>
<td>364 W - 2304 W</td>
</tr>
<tr>
<td></td>
<td>110 mm</td>
<td>403 W - 2555 W</td>
</tr>
<tr>
<td></td>
<td>140 mm</td>
<td>492 W - 3117 W</td>
</tr>
<tr>
<td></td>
<td>190 mm</td>
<td>541 W - 3425 W</td>
</tr>
</tbody>
</table>

**Convection Principle**

1. Cooled air (cold air gradient)
2. Heated air rises in front of the glazing and creates a barrier against cold drafts

#### Electric System Convector

<table>
<thead>
<tr>
<th>Type</th>
<th>Height</th>
<th>Heat Output (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESK 180</td>
<td>110 mm</td>
<td>220 W - 1610 W</td>
</tr>
</tbody>
</table>

**Convection Principle**

1. Cooled air (cold air gradient)
2. Heated air rises in front of the glazing and creates a barrier against cold drafts

(1) LPHW: 75/65 °C, room air temperature T_L= 20 °C
<table>
<thead>
<tr>
<th>Width</th>
<th>Standard Lengths</th>
<th>Description and Function</th>
<th>Supporting Control Technology</th>
<th>Areas of Application</th>
</tr>
</thead>
</table>
| 180 mm | 1000 mm - 5000 mm (in 250 mm increments) | • Cold air barrier in front of full height glazing  
• Eliminating condensation  
• Can be used as a primary or when combined with other heating systems (e.g. floor heating systems) as a secondary source.  
• For full heating of rooms  
• Ready to install in floor paving areas | • Alpha-Thermostat 230 V | 24 V as Standard | Comfort | Control  
• Alpha-Thermostat 0-10 V  
Standard | Comfort |  
• Alpha-Actuator 4  
24 V | 230 V | 0-10 V  
Electrical box with prepared wiring | • Private living areas  
• Winter gardens  
• Restaurants  
• Shop rooms  
• Exposition rooms  
• Office and administration buildings |
| 260 mm | 1000 mm - 5000 mm (in 250 mm increments) | • Optimum heating performance due to even temperature layering | | |
| 320 mm | 1000 mm - 5000 mm (in 250 mm increments) | | | |
| 410 mm | 1000 mm - 5000 mm (in 250 mm increments) | | | |
| 180 mm | 750 mm - 1500 mm (in 250 mm increments) | • Cold air barrier in front of full height glazing  
• Eliminating condensation  
• Can be used as a primary or when combined with other heating systems (e.g. floor heating systems) as a secondary source.  
• For full heating of rooms  
• Ready to install in floor paving areas  
• Optimum heating performance due to even temperature layering | • Alpha-Thermostat 230 V as Standard | Comfort | Control |  
| | 1500 mm - 4000 mm (in 250 mm increments) | | | |
## Fan-Assisted System Convecors

<table>
<thead>
<tr>
<th>Radial Fan-Assisted System Convector</th>
<th>Type</th>
<th>Height</th>
<th>Heat Output (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GSK 180</td>
<td>110 mm</td>
<td>127 W - 867 W (2)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>257 W - 1759 W (3)</td>
</tr>
<tr>
<td></td>
<td>GSK 260</td>
<td>110 mm</td>
<td>167 W - 1240 W (2)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>339 W - 2516 W (3)</td>
</tr>
<tr>
<td></td>
<td>GSK 320</td>
<td>110 mm</td>
<td>245 W - 1871 W (2)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>498 W - 3796 W (3)</td>
</tr>
</tbody>
</table>

### Convection Principle
Natural convection with forced convection by means of radial fan (Heating)

1. Cooled air (cold air gradient)
2. Fan-driven air is blown through a patented air ducting system, creating a powerful airflow over the entire duct length
3. Heated air rises in front of the glazing and creates barrier against cold drafts

<table>
<thead>
<tr>
<th>Cross-Flow Fan System Convector</th>
<th>Type</th>
<th>Height</th>
<th>Heat Output (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>QSK 260</td>
<td>110 mm</td>
<td>202 W - 1301 W (4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>635 W - 4083 W (3)</td>
</tr>
<tr>
<td></td>
<td>QSK 320</td>
<td>110 mm</td>
<td>237 W - 1488 W (4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>761 W - 4784 W (3)</td>
</tr>
<tr>
<td></td>
<td>QSK 360</td>
<td>110 mm</td>
<td>308 W - 1898 W (4)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1026 W - 6328 W (3)</td>
</tr>
</tbody>
</table>

### Convection Principle
Forced convection by cross-flow fan assistance (Heating)

1. Cooled air (cold air gradient)
2. Cold air is channeled over the entire length of the heat exchanger with the cross-flow fan
3. Heated air rises in front of the glazing and creates barrier against cold drafts

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(1) Heat Output at average speed
(2) LPHW: 50/40°C, Room Air Temperature T_L = 20°C
(3) LPHW: 75/65°C, Room Air Temperature T_L = 20°C
(4) LPHW: 40/30°C, Room Air Temperature T_L = 20°C
<table>
<thead>
<tr>
<th>Width</th>
<th>Standard Lengths</th>
<th>Description and Function</th>
<th>Supporting Control Technology</th>
<th>Areas of Application</th>
</tr>
</thead>
</table>
| 180 mm | 1000 mm - 5000 mm (in 250 mm increments) | • Power increase by fan support  
• Higher heat output with low noise level  
• Coverage of short-term or demand-oriented room heating  
• Heating support in transitional times  
• Eliminating condensation  
• Can be used as a primary or when combined with other heating systems (e.g. floor heating systems) as a secondary source.  
• For full heating of rooms  
• Ready to install in floor paving areas  
• Integrated Multifunctional Fan Controller Unit | • Alpha-Thermostat 0-10 V Comfort with Speed Controller  
• Alpha-Thermostat 24 V as Standard | Comfort | Control  
• Alpha-Actuator 4 (24 V)  
• Digital Timer  
• Fan Speed Controller | • Representative living areas  
• Winter gardens  
• Restaurants  
• Foyers, reception halls  
• Shop rooms  
• Exposition rooms  
• Office and administration buildings  
• Areas with quick heating demand |
| 260 mm | 1000 mm - 5000 mm (in 250 mm increments) | | | |
| 320 mm | 1000 mm - 5000 mm (in 250 mm increments) | | | |

<table>
<thead>
<tr>
<th>Width</th>
<th>Standard Lengths</th>
<th>Description and Function</th>
<th>Supporting Control Technology</th>
<th>Areas of Application</th>
</tr>
</thead>
</table>
| 260 mm | 850 mm and 1250 mm - 3250 mm (in 500 mm increments) | • Power increase by fan support  
• Higher heat output with low noise level  
• Coverage of short-term or demand-oriented room heating  
• Heating support in transitional times  
• Eliminating condensation  
• Can be used as a primary or when combined with other heating systems (e.g. floor heating systems) as a secondary source.  
• For full heating of rooms  
• Ready to install in floor paving areas  
• Integrated Multifunctional Fan Controller Unit | • Alpha-Thermostat 0-10 V Comfort with Speed Controller  
• Alpha-Thermostat 24 V as Standard | Comfort | Control  
• Alpha-Actuator 4 (24 V)  
• Digital Timer  
• Fan Speed Controller | • Representative living areas  
• Winter gardens  
• Restaurants  
• Foyers, reception halls  
• Shop rooms  
• Exposition rooms  
• Office and administration buildings  
• Areas with quick heating demand  
• Airports/Train stations |
# System Convector for Heating/Cooling and Source Air Heating

## Cross-Flow Fan System Convector Heating/Cooling

<table>
<thead>
<tr>
<th>Type</th>
<th>Height</th>
<th>Heating Output</th>
<th>Cooling Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>QSK 320 HK 2-Pipe</td>
<td>140 mm</td>
<td>328 - 1485 W (1)</td>
<td>219 - 990 W (3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1093 - 4949 W (2)</td>
<td></td>
</tr>
<tr>
<td>QSK 320 HK 4-Pipe</td>
<td>140 mm</td>
<td>249 - 1129 W (1)</td>
<td>199 - 901 W (3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>831 - 3761 W (2)</td>
<td></td>
</tr>
</tbody>
</table>

### Working Principle
- Heating/cooling with cross-flow fan on convector basis

#### Heating Operation
1. Cooled air (cold air gradient)
2. Air is channelled through the entire length of the heat exchanger by the cross-flow fan.
3. Heated air warms room and creates barrier against cold drafts

#### Cooling Operation
1. Room temperature air (e.g. warm air from sunshine)
2. Air is channelled through the entire length of the heat exchanger by the cross-flow fan.
3. Cool air for cooling room

## Source Air System Convector

<table>
<thead>
<tr>
<th>Type</th>
<th>Height</th>
<th>Heat Output</th>
<th>Air Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>QLK 260</td>
<td>110 mm</td>
<td>110 W - 2729 W</td>
<td>0 - 210 m³/h</td>
</tr>
<tr>
<td>QLK 320</td>
<td>110 mm</td>
<td>157 W - 2750 W</td>
<td>0 - 185 m³/h</td>
</tr>
<tr>
<td>QLK 410</td>
<td>110 mm</td>
<td>211 W - 3272 W</td>
<td>0 - 250 m³/h</td>
</tr>
</tbody>
</table>

### Working Principle
- Forced convection by source air offers draught-free room ventilation with simultaneous heating of the room air (Heating)
1. Via a patented air ducting system, source air is blown into the room, generating a strong injection effect over the entire length.
2. Cold air on the room side is aspirated in the floor area.
3. Heated primary air as well as room air obtain room air heating as well as cold air protection.

(1) LPHW: 40/30°C, Room Air Temperature TL= 20°C, (2) LPHW: 75/65°C, Room Air Temperature TL= 20°C, (3) PKW: 16/18°C, Room Air Temperature TL= 27°C

All power data determined at medium speed

(1) LPHW: 75/65°C, Room Air Temperature TL= 20°C
<table>
<thead>
<tr>
<th>Width</th>
<th>Standard Lengths</th>
<th>Description and Function</th>
<th>Supporting Control Technology</th>
<th>Areas of Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>320 mm</td>
<td>1000 mm - 2900 mm (in 250 mm increments)</td>
<td>• Heating and Cooling function for comfortable room temperature control</td>
<td>• Alpha-Thermostat 0-10 V Comfort with Speed Controller</td>
<td>• Rooms with quick heating and cooling demand</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Room cooling achieved by pumping cold water through the heat exchanger</td>
<td>• Alpha-Thermostat 24 V as Standard</td>
<td>Comfort</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 2-pipe and 4-pipe systems available</td>
<td>• Alpha-Actuator 4 (24 V)</td>
<td>• Exposition rooms</td>
</tr>
<tr>
<td>320 mm</td>
<td>1000 mm - 2900 mm (in 250 mm increments)</td>
<td>• Window side and room-side installation possible</td>
<td>• Digital Timer</td>
<td>• Representative living areas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Powerful and quiet cross-flow fan</td>
<td>• Fan Speed Controller</td>
<td>• Winter gardens</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Coverage of short-term or demand-oriented room heating</td>
<td></td>
<td>• Restaurants</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Heating and cooling support in transitional times</td>
<td></td>
<td>• Foyers, reception halls</td>
</tr>
<tr>
<td>360 mm</td>
<td>1000 mm - 2900 mm (in 250 mm increments)</td>
<td>• Eliminating condensation</td>
<td>• Alpha-Thermostat 230 V</td>
<td>24 V as Standard</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Can be used as a primary or when combined with other heating systems (e.g. floor heating systems) as a secondary source.</td>
<td>• Alpha-Thermostat 0-10 V as Standard</td>
<td>Comfort</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• For full heating and cooling of rooms</td>
<td>• Alpha-Actuator 4 24 V</td>
<td>230 V</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Ready to install with floor paving construction</td>
<td>• Electrical box with prepared wiring</td>
<td>• Areas with quick heat demand</td>
</tr>
<tr>
<td>360 mm</td>
<td>1000 mm - 2900 mm (in 250 mm increments)</td>
<td>• Integrated Multifunctional Fan Controller Unit</td>
<td></td>
<td>• Airports/Train stations</td>
</tr>
<tr>
<td>260 mm</td>
<td>1000 mm - 2250 mm (in 250 mm increments)</td>
<td>• Comfortable, large-surface supply of fresh air</td>
<td>• Alpha-Thermostat 230 V</td>
<td>24 V as Standard</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Source air and room air heating</td>
<td>• Alpha-Actuator 0-10 V as Standard</td>
<td>Comfort</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Cold air protection in front of full height glazing</td>
<td>• Alpha-Thermostat 0-10 V as Standard</td>
<td>Comfort</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Eliminating condensation</td>
<td>• Alpha-Actuator 4 24 V</td>
<td>230 V</td>
</tr>
<tr>
<td>320 mm</td>
<td>1000 mm - 2250 mm (in 250 mm increments)</td>
<td>• Ready to install for floor paving areas</td>
<td>• Electrical box with prepared wiring</td>
<td>• Private living areas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Optimum heat behaviour due to even temperature layering</td>
<td></td>
<td>• Winter gardens</td>
</tr>
<tr>
<td>360 mm</td>
<td>1000 mm - 2250 mm (in 250 mm increments)</td>
<td></td>
<td></td>
<td>• Restaurants</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Shop rooms</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>• Exposition rooms</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Office and administration buildings</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td>• Airports/Train stations</td>
</tr>
</tbody>
</table>
Please find more information in the following documents:

- **Product Brochure Möhlenhoff Designer Grille**
- **WSK Planning Manual**
- **ESK Planning Manual**
- **GSK Planning Manual**
- **QLK Planning Manual**
- **QSK Planning Manual**
- **QSK HK Planning Manual**
- **Designer Grille Planning Manual**
- **System Convector and Designer Grille Price List**
- **CD-Rom with Planning software Syscon**