

Article group
1.22



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GB

SlimKon

Façade heating systems

Innovative, professional, international

In over 35 years, Kampmann GmbH has grown from being a family-led company to become an internationally renowned

group of companies. Kampmann systems for heating, cooling and ventilation are today market leaders in a number of different market sectors. Innovation and the highest standards of quality guarantee this success into the future.

We have an "ear on the market" and the knowledge and expertise gained from 35 years of experience in development, production and sales. This, combined with a professionally-manned research and development department, is the basis for our continuous product development. This is what allows us to provide our customers with the best technical product at any time.

Traditionally, Kampmann's skills and expertise have been in the production of standard products with an extraordinary range of adapted products, as well as in the production of technically and visually high-quality tailor-made design solutions. Our specialist staff deal with the building in its entirety and develop unique and efficient system solutions. Our entire range is reflected in mix of standard, non-standard and tailor-made products for project-orientated solutions.

We set ourselves very high standards in production. Today an exceptionally well-trained specialist workforce manufactures high-quality Kampmann products in three plants for customers throughout the world. A number of different certificates are evidence of our high standards of quality, which have become the standard at Kampmann. Our products are characterised by the high guaranteed DIN EN-tested heat outputs. In terms of quality management the requirements of TÜV certification according to DIN EN ISO 9001 have been met since 1996.

For decades, Kampmann customers have valued our excellent service. Local external engineers and technicians, in-house measuring engineers and the Kampmann customer service team are available to customers. Kampmann good air quality is now to be found across the globe. Our sales engineers now cover the whole of Germany and Europe.

This SlimKon brochure provides you with an insight into our wide product range. Take a look and make up your own mind – do not hesitate to arrange a personal visit with us. It is our aim to meet your high quality expectations, right down to the last detail.

Well-being is our product – Quality is our benchmark!



Hendrik Kampmann
Managing Director



Peter Kaß
Managing Director

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Reference project Munich Airport, Terminal 2

SlimKon – The invisible curtain that screens against the ingress of cold air

Expansively designed window façades, often rising to mezzanine height, are the solution of choice for building complexes of many different types. However this design option can also bring with it unique challenges for architects and consulting engineers alike. Whereas the problem of the heat requirement within the space can be relatively simply solved, a further disadvantage nevertheless remains: the cold air falling from the glazed façade seriously limits the useable floor space in winter.

SlimKon façade heating systems prevent cold air from falling from the glazed façade like no other heating system. The principle is very simple but very effective: a stream of warm air rises vertically to meet the falling curtain of cold air. This warm air mixes with the cold air and so prevents it from falling into the space below. This ensures that the floor space can be used right up to the glazing.

- Design freedom for architects, as SlimKon can be integrated unobtrusively into the façade
- **PowerKon** high-output convectors with copper pipes and aluminium fins teamed with **Eurokonus valve fittings**
- Excellent controllability and quick warm-up thanks to low water content
- Heat outputs of up to 308 w/m (at LPHW 75/65 °C, RT = 20 °C)
- No problematic radiated heat close to the glazing as heat is provided by convection alone
- No heat transfer to the external façade
- Retrofitting is an option
- Sound-attenuated convector fixing surfaces
- Simple to clean and maintain
- Single convector lengths of up to 6000 mm, single aluminium profile lengths of up to 3000 m, longer lengths are formed with the use of slip joints

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For enhanced comfort in front of glazing

Explanation of article numbers • Fixing options

Article key

1 2 2 000 1 2 2 **1 1 1**

Convactor design:

- 1 = Convactor 50 x 50 mm, no integral pipe conduit
- 2 = Convactor 50 x 50 mm, with integral pipe conduit
- 5 = Convactor 100 x 50 mm, no integral pipe conduit
- 6 = Convactor 100 x 50 mm, with integral pipe conduit

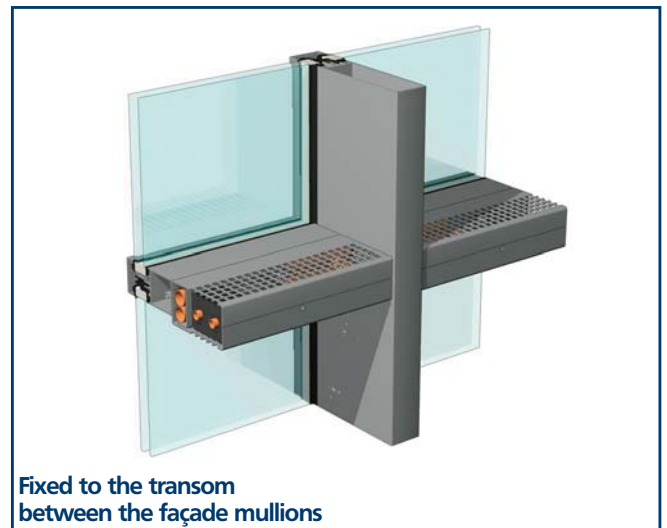
Perforated cover plate:

- 1 = square perforation 10 x 10 mm
- 2 = rectangular perforation 15 x 8 mm

Colour:

- 1 = powdercoated RAL 9016

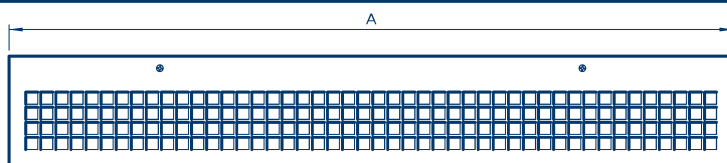
other colours on request



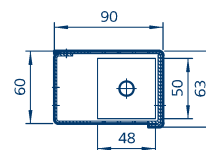
Fixed to the transom, going around the mullion



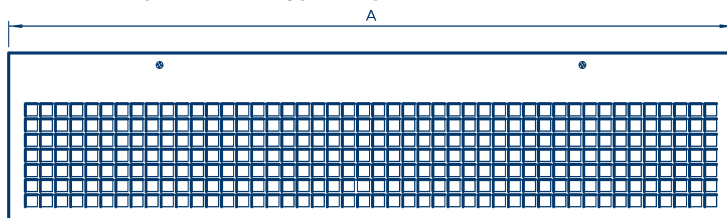
Dimensions • Water pressure



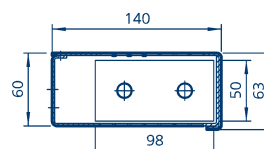
10 x 10 mm perforation, type 90; plan view



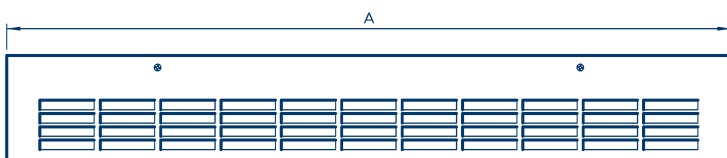
cross-section



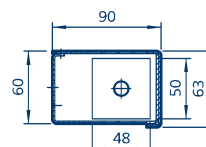
10 x 10 mm perforation, type 115; plan view



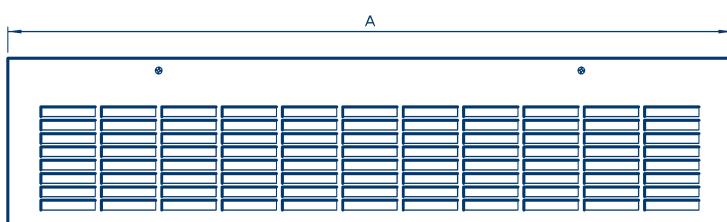
cross-section



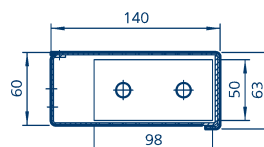
45 x 8 mm perforation, type 90; plan view



cross-section



45 x 8 mm perforation, type 115; plan view

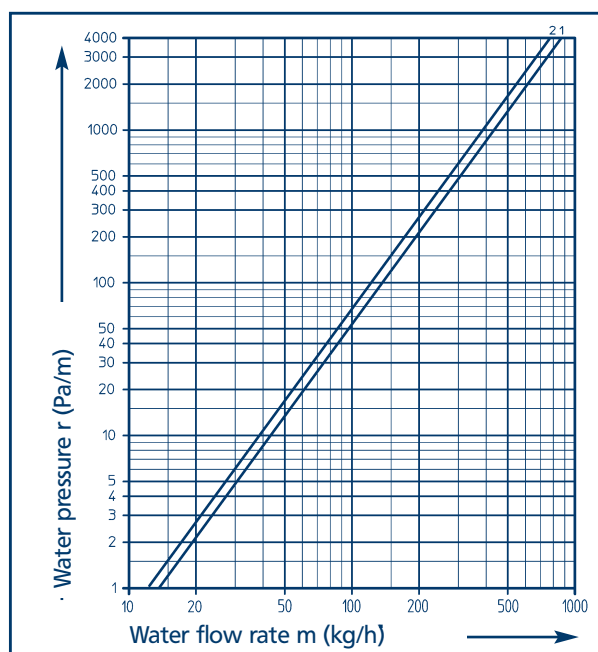


cross-section

Water pressure

1 = Type 122111
Type 122121
Type 122211
Type 122221

2 = Type 122511
Type 122521
Type 122611
Type 122621



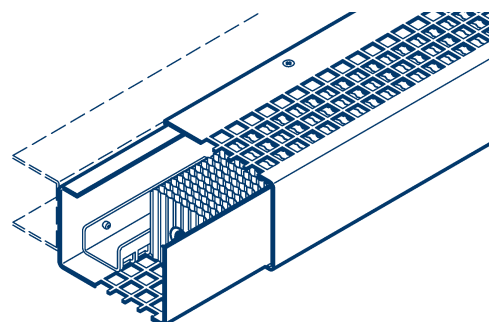
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For enhanced comfort in front of glazing

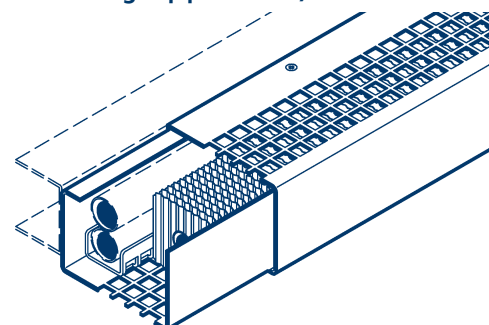
Square perforated cover plate

SlimKon convector depth 50 mm, 10 x 10 mm square perforated cover plate

		Type 122111	Type 122211			
Dimensions		without integral pipe conduit	with integral pipe conduit			
Convector						
- Depth	mm	50	50			
- Height	mm	50	50			
SlimKon						
- Depth	mm	90	90			
- Height	mm	60	60			
Heat output w/m finned convector length						
Water temp. LPHW °C	Entering air temperature t _{L1} °C					
	14	16	18	20	22	24
55/45	119	110	101	93	85	76
70/55	178	169	159	149	140	130
70/60	191	181	171	161	152	142
75/65	217	207	196	186	176	166
82/71	252	241	230	220	209	199
90/70	271	260	249	238	228	217



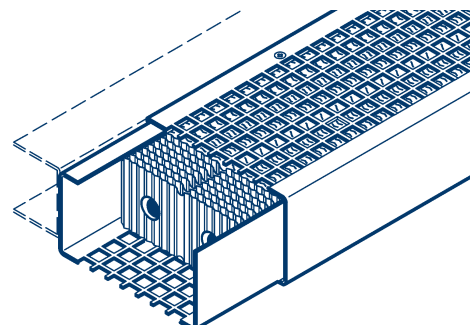
Type 122111 (without integral pipe conduit)



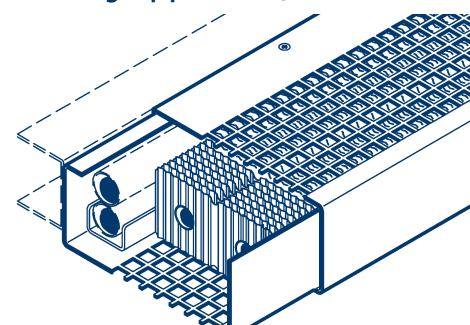
Type 122211 (with integral pipe conduit)

SlimKon convector depth 100 mm, 10 x 10 mm square perforated cover plate

		Type 122511	Type 122611			
Dimensions		without integral pipe conduit	with integral pipe conduit			
Convector						
- Depth	mm	100	100			
- Height	mm	50	50			
SlimKon						
- Depth	mm	115	140			
- Height	mm	60	60			
Heat output w/m finned convector length						
Water temp. LPHW °C	Entering air temperature t _{L1} °C					
	14	16	18	20	22	24
55/45	197	182	168	154	140	127
70/55	296	279	263	247	231	216
70/60	316	300	283	267	251	235
75/65	359	342	325	308	291	275
82/71	417	399	381	364	346	329
90/70	449	431	413	395	377	359



Type 122511 (without integral pipe conduit)

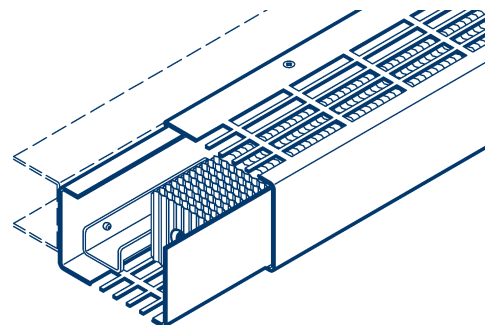


Type 122611 (with integral pipe conduit)

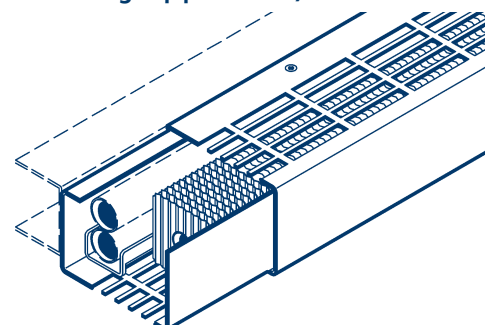
Rectangular perforated cover plate

SlimKon convector depth 50 mm, 45 x 8 mm rectangular perforated cover plate

		Type 122121	Type 122221			
Dimensions		without integral pipe conduit	with integral pipe conduit			
Convector						
- Depth	mm	50	50			
- Height	mm	50	50			
SlimKon						
- Depth	mm	90	90			
- Height	mm	60	60			
Heat output w/m finned convector length						
Water temp. LPHW °C	Entering air temperature t _{L1} °C					
	14	16	18	20	22	24
55/45	119	110	101	93	85	76
70/55	178	169	159	149	140	130
70/60	191	181	171	161	152	142
75/65	217	207	196	186	176	166
82/71	252	241	230	220	209	199
90/70	271	260	249	238	228	217



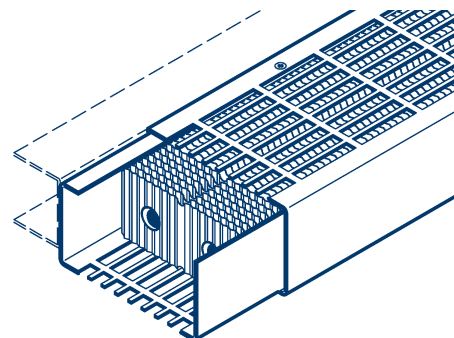
Type 122121 (without integral pipe conduit)



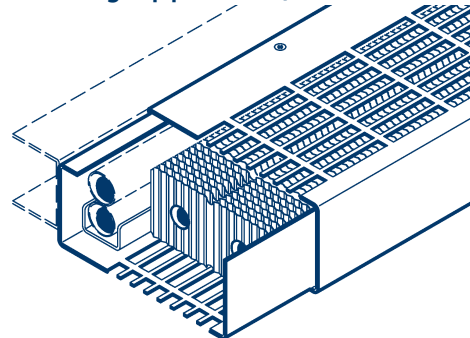
Type 122221 (with integral pipe conduit)

SlimKon convector depth 100 mm, 45 x 8 mm rectangular perforated cover plate

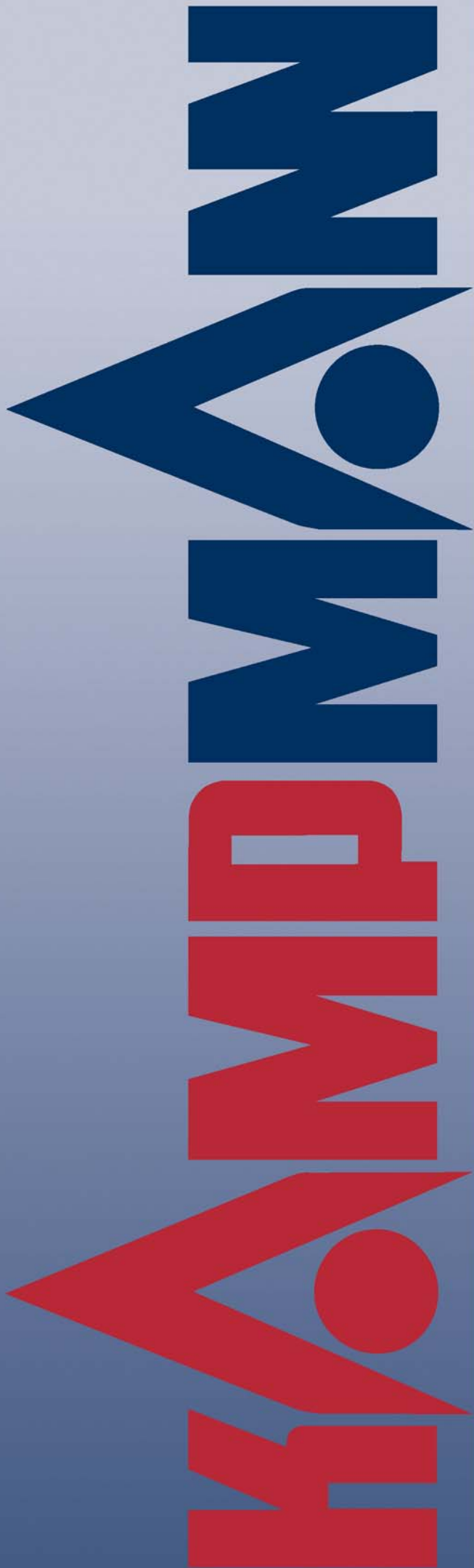
		Type 122521	Type 122621			
Dimensions		without integral pipe conduit	with integral pipe conduit			
Convector						
- Depth	mm	100	100			
- Height	mm	50	50			
SlimKon						
- Depth	mm	115	140			
- Height	mm	60	60			
Heat output w/m finned convector length						
Water temp. LPHW °C	Entering air temperature t _{L1} °C					
	14	16	18	20	22	24
55/45	197	182	168	154	140	127
70/55	296	279	263	247	231	216
70/60	316	300	283	267	251	235
75/65	359	342	325	308	291	275
82/71	417	399	381	364	346	329
90/70	449	431	413	395	377	359



Type 122521 (without integral pipe conduit)



Type 122621 (with integral pipe conduit)



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