



# Heating Convectors

Heat  
worthy of you!

 **ISOTERM**<sup>®</sup>

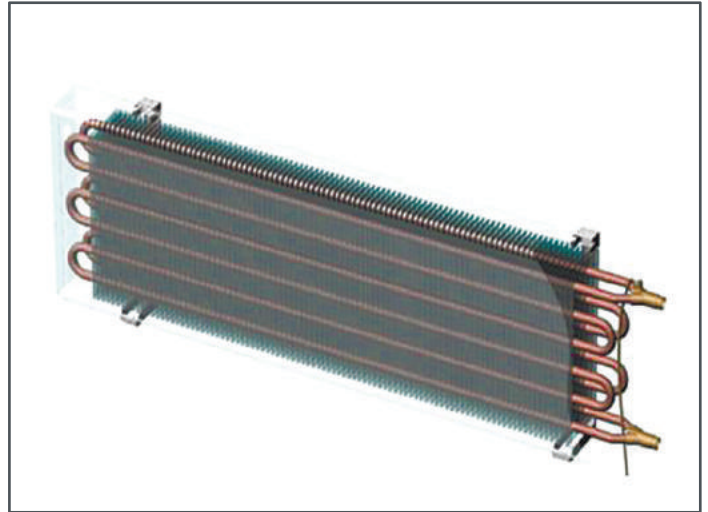
[www.isoterm.ru](http://www.isoterm.ru)

## OUR ADVANTAGES:

Since 1990 Isoterm Firm JSC has been working successfully on the market of water heating systems and today it is the leading Russian producer of copper-aluminum convectors of wall-mounted, floor-mounted and in-floor mounted design.

Production of convectors is performed on modern European high-performance equipment using the most advanced world technologies. The enterprise is certified in accordance with the international standard ISO 9001.

The quality system employed by the enterprise assures control over the entire process cycle, from design, procurement of materials and component parts, to products shipment and maintenance.



Thermotechnical characteristics of heating devices were verified by tests in certified laboratories of Russia, Czech Republic and Germany.

An in-house heat exchanger manufactured from a copper tube and aluminum plates from world leaders in metal production and delivery - Cupori Group Oy (Finland), Wieland-Werke AG (Germany) and Hydro Aluminium (Norway).

The products are presented in design software Autodesk Revit, MagiCad, Auditor C.O. etc. BIM-models are available for download on the official web-site [www.isoterm.ru](http://www.isoterm.ru).

Guarantee for copper-aluminum convectors produced by Isoterm is 10 years, for steel ones -12 years.

Extensive experience of heating devices' supplies to the most complicated and critical sites.

All products have a mandatory certificate of conformity with the requirements of GOST 31311-2005 Heating devices. General specifications.

Wide dealer's network covering over 33 regions of Russia, Belarus and Kazakhstan.

Order execution time from 10 days.

Flexible pricing policy.

Option of technical specialists' travel to the site.

Option of convectors' manufacture based on individual parameters, with a thermostatic valve and painting in any colour at customer's choice.



# HEAT TECHNOLOGY:

Development of the construction industry has determined the appearance of new solutions in the area of engineering equipment of facilities. Convectors of the new generation have long been a worthy alternative to the usual radiators. The main reason for that is the excellent energy-saving characteristics of convectors, which is more relevant and in demand than ever.

Convectors from Isoterm company are made from the best materials in terms of thermal properties: copper tubes and aluminum plates attached to them by the mandreling method. They have high thermal conductivity and very low inertia, quickly react to any change in the temperature of the room air and **provide comfortable conditions** for living and activities

Maximum efficiency is achieved in combination with the use of heat energy consumption control devices. The use of copper-aluminum convectors with automatic control **allows you to save up to 30% of thermal energy.**

All surfaces in the convector, directly in contact with water, are made of copper - material resistant to corrosion, which allows to guarantee the **quality and service life of heating devices of up to 50 years.**

Such devices do not require washing in preparation for the heating season, which **reduces the cost of maintenance of the system** as a whole.

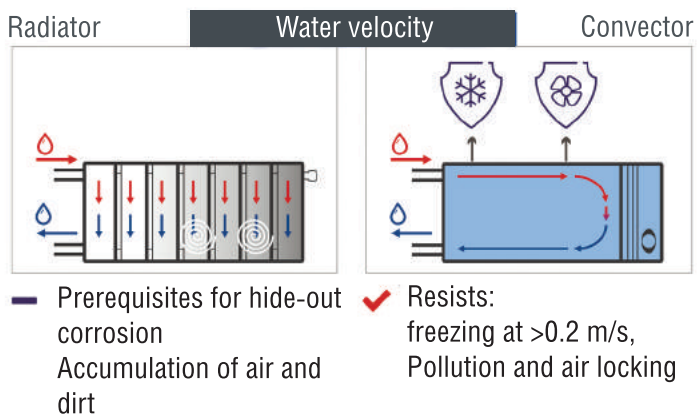
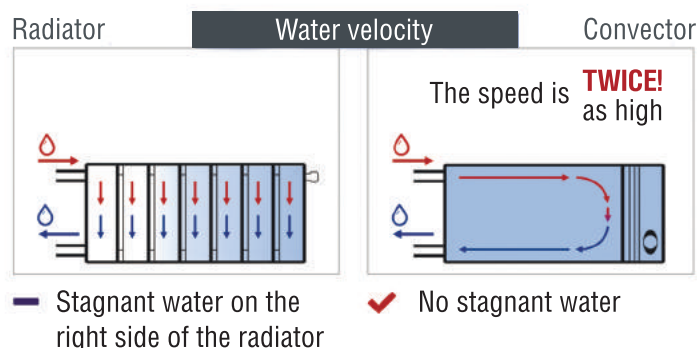
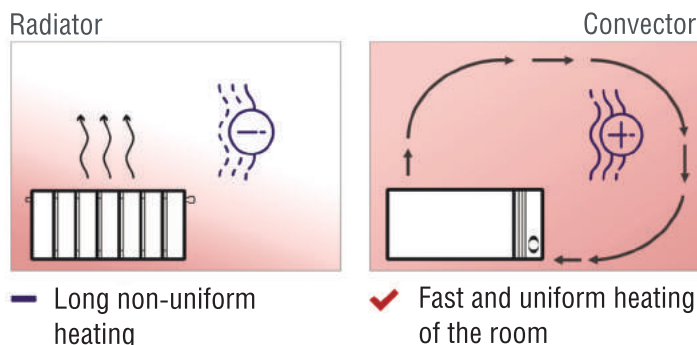
The temperature of external surfaces of convectors is no more than 43°C even at high design parameters of the heat transfer medium in a system that **completely excludes burns.**

Development of heating devices goes on a way of increase of their power at decrease in overall dimensions, weight and volume of the heat transfer medium.

A state-of-the-art convector with a heat output of 1.0 kW weighs an average of 6.4 kg, which significantly **reduces the cost of delivery and installation** of devices as compared to steel and cast iron radiators.

The volume of the heat transfer medium in the convector is 5 times less than in a similar capacity steel panel radiator, which **reduces its consumption when filling the heating system.**

## Room temperature distribution



## Comparative characteristics of heating devices (1 kW)

Type of device	Heat transfer medium volume, l	Device weight, kg	Time to reach full power, min
Copper-aluminum convector (Atoll)	0,4	6,4	5...6
Aluminium sectional radiator	1,8	12,5	10...12
Steel panel radiator	3,2	16	15...18
Cast iron radiator	9,3	38,1	35...40



## IN-FLOOR MOUNTED CONVECTORS

Golfstream convectors are devices for water heating systems mounted in the floor along the windows and doorways of the premises. In-floor mounted convectors are ideal for layouts with high glazing and allow not only to create a warm air screen along the panoramic window and prevent the formation of drafts, but also effectively heat the room.

It is possible to manufacture devices of any dimensions, as well as in the radial design and with angular connecting elements, which allows them to be placed in any room with a complex, non-standard layout. Standard connecting elements are made with an angle of 90°, 120°, 135°.



To control the amount of heat, devices can be equipped with manual or automatic control systems and integrated into the "smart home" automation system.

At the request of the customer, it is possible to equip the convector with a protective cover, which will protect the device during finishing works.

Besides, the device can be manufactured in a stainless steel case.



After installation of the in-floor convector in the floor only a strong and elegant decorative grille is visible, which can be made of natural wood, aluminum or steel.

### Options of decorative grilles:

- natural wood: beech, oak, birch, walnut, merbau;
- steel painted in any color according to the RAL catalog;
- anodized aluminum: natural color, light/dark bronze, gold, black;
- rolled polymer-based aluminum grilles: wood (beech, pine, rustic oak, bog oak, dark walnut), colorless anodizing, black, light/dark bronze.

## Golfstream Series

In-floor convectors of Golfstream series with natural convection are produced:

- 80, 110, 140, 190 mm high;
- 200, 240, 270, 340, 370, 430 mm wide;
- 600 - 6000 mm long in increments of 100 mm (convectors longer than 3000 mm consist of 2 sections).

Up to 4000 mm long convectors in a single body can be manufactured.





## Golfstream KPK series



Golfstream KPK is an in-floor convector with plenum air supply from the ventilation system. Due to its operating principle, in addition to heating, the device also provides fresh air supply into the room. Its supply to the convector heat exchanger is regulated by a gate valve.

Due to the intensive blowing of the heating element, the Golfstream KPK convector has increased power compared to the Golfstream series with natural convection.

Air pipes can be made of rectangular or circular cross-section (70 or 100 mm in diameter).

Devices of Golfstream KPK series are manufactured:

- 110, 140 mm high; - 240, 270, 430 mm wide;
- 700 -2700 mm long in increments of 500 mm.

## Golfstream-V series

In-field convectors with forced convection. The presence of a built-in energy-saving fan of tangential type with a reduced noise level increases the power of the device by more than 5 times.

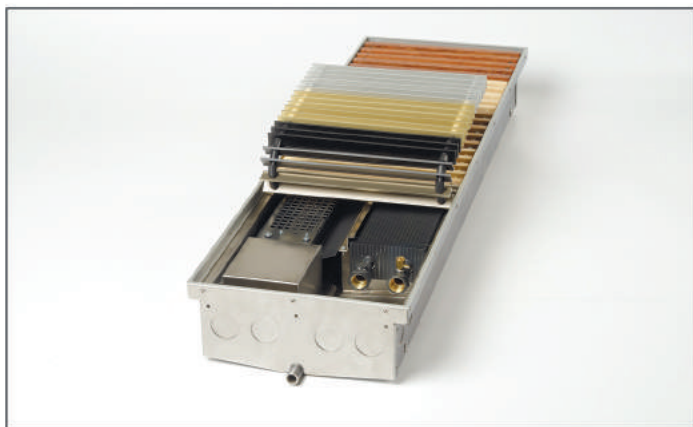
Convectors of Golfstream-V series are manufactured:

- 80, 110, 140 mm high;
- 240, 270, 370 mm wide;
- 600 - 6000 mm long in increments of 100 mm (convectors longer than 3000 mm consist of 2 sections);
- the operating voltage of the fan can be 12V, 24V or 220V.





## Golfstream-12/24V series for humid rooms



Golfstream convectors with fan voltage 12/24V and a special drainage system, made of stainless steel.

These devices have a remote power supply unit, which ensures the supply of electricity to the in-floor convector with a safe voltage level and makes it possible to use it in swimming pools, bathrooms and other rooms with high humidity. In addition, the convector body has a special shape and is equipped with drainage pipes for condensate drainage.

The design of this device allows you to use it not only for heating, but also by using a refrigerant for cooling in the summer.

The height of convectors of this modification is from 110 mm, minimum width - 270 mm, length from 600 mm.

## Convector control systems

Various room temperature control options are available as an addition for forced convection appliances.

### Control functions:

- fan speed switching;
- indication of the room air temperature using the built-in temperature sensor;
- maintaining the desired temperature in the room; - integration into the "smart home" system, the ability to set individual parameters of convectors for different rooms;
- timer (ability to program the system in the day-night mode, etc.);
- switch between heating and cooling modes in the manual and automatic mode.



Zentec ZT 033



Zentec ZT 031



Siemens RDF 310.2/MM



Siemens RDF 510



Siemens RDF 600T



Siemens RDG 160T



Speed controller PSF



### In-floor convectors of Golfstream series with natural convection

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
KRK 20.08.100	80x202x1000	155	6184	86
KRK 20.08.150	80x202x1500	262	8833	123
KRK 20.08.200	80x202x2000	369	11272	157
KRK 27.08.100	80x272x1000	216	7202	100
KRK 27.08.150	80x272x1500	363	10050	140
KRK 27.08.200	80x272x2000	510	12892	179
KRK 34.08.100	80x342x1000	290	8732	121
KRK 34.08.200	80x342x2000	689	15323	213
KRK 43.08.100	80x432x1000	374	9711	135
KRK 43.08.200	80x432x2000	890	17817	247

### In-floor convectors of Golfstream-V series with forced convection

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
KVK 24.08.100	80x242x1000	803	13870	193
KVK 24.08.200	80x242x2000	2320	27232	378
KVK 27.11.150	110x272x1500	2683	21290	296
KVK 27.11.200	110x272x2000	3706	27622	384
KVK 37.11.100	110x372x1000	1621	18523	257
KVK 37.11.200	110x372x2000	5414	36038	501

### In-floor convectors of Golfstream series with plenum air supply from the ventilation system

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
KPK 24.11.170	110x242x1700	2113	12446	173
KPK 27.14.170	140x272x1700	2607	15454	215
KPK 43.11.170	432x110x1700	3028	17176	239
KPK 43.14.170	432x140x1700	3569	22062	306

\* - recommended price for wholesale buyers, the price in rubles is indexed according to the Euro exchange rate

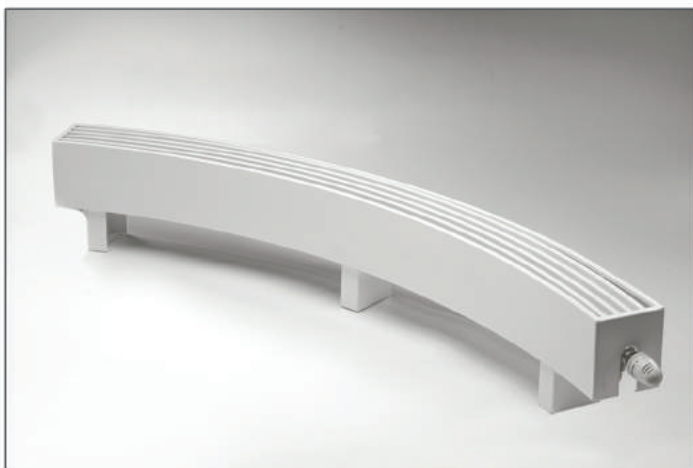


## WALL-MOUNTED AND FLOOR-MOUNTED CONVECTORS

### Coral series

Coral is the lowest device in Isoterm convector line. The height of Coral devices in the wall-mounted version is from 80 mm, and in the floor-mounted version - from 150 mm. It is distinguished by high power and compact size. This is an ideal solution for rooms with high glazing, in cases where it is impossible to install in-floor convectors.

It is possible to manufacture convectors of Coral series in radial design.



### Coral-V series

Besides, in this line we offer floor-mounted convectors with forced convection of Coral-B series. The device is 270 mm high with brackets and is equipped with 12V axial fans with low noise level, which allows to increase its power by 2.5 fold relative to Coral series with natural convection.

Aluminum longitudinal



Steel longitudinal



Steel expanded



Devices of Coral series are made in wall-mounted and floor-mounted design:

- from 80 to 625 mm high;
- 500 - 3000 mm long in increments of 100 mm;
- the depth of the device depends on the type of a heat exchanger and can range from 134 to 239 mm.

The devices can be equipped with three types of air exhaust grids: aluminum or steel longitudinal steel and expanded steel.







## Atoll, Atoll Pro and Rodos Series



This series is also represented by convector lines with improved thermal characteristics - Atoll 2 and Atoll Pro 2. Due to the increased height of the heat exchanger, they have increased heat transfer, with the same dimensions of the device.

In the wall-mounted version, convectors can be additionally equipped with sidewalls (Atoll Z type).

In the floor-mounted version, the convector can be equipped with adjustable brackets to fine-tune the height of the device.



Stylish heating devices from Isotherm company, the design of which is developed by the Art.Lebedev studio. The front panel of convectors in this series is made with a characteristic radius, which gives them originality and distinguishes them from usual heating radiators.

Front panel:

- Atoll series - single front panel painted in powder paint;
- Atoll Pro series - casing consists of small and large panels separated by a decorative insert. A small panel can be painted in a different from the large panel color;
- Rodos series - stainless steel front panel.



Devices of Atoll, Atoll Pro and Rodos series are produced in wall-mounted and floor-mounted version:

- from 150 to 650 mm high in 100 mm increments;
- from 450 to 2550 mm long in 100 mm increments;
- the depth of the device depends on the type of a heat exchanger and can range from 119 to 256 mm.



**Isoterm, Isoterm-M, Ecoterm Series** - are characterized by increased injury safety, which is achieved due to the design features of the convector casing having rounded corners. They are indispensable heating devices for installation in kindergartens and schools.



Devices of this series are made in wall-mounted and floor-mounted design:

- from 150 to 600 mm high in 100 mm increments;
- from 400 to 2550 mm long in 100 mm increments;
- the depth of the device depends on the type of a heat exchanger and can range from 60 to 234 mm.

Isoterm-M series features the narrowest wall-mounted convector with a depth of only 60 mm.

## Novoterm, Novoterm-light Series

Novoterm series is the water heating convector, of wall-mounted and floor-mounted version consisting of a thick-walled seamless steel calibrated pipe and steel finned plates painted by the powder spraying method.

Devices of Novoterm series are manufactured:

- 160 and 380 mm high;
- from 75 to 160 mm deep;
- 400 - 2500 mm long in increments of 100 mm.

The design of Novoterm-Light heating device differs from Novoterm series by the lack of a top grille and side panels.





### Convectors of Atoll series, wall-mounted (bottom connection)

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
PKNN-307A	350x128x750	632	4458	62
PKNN-310A	350x128x1050	990	5277	73
PKNN-315A	350x128x1550	1587	7140	99
PKNN-409A	450x128x950	1001	5140	72
PKNN-415A	450x128x1550	1824	7217	100

### Convectors of Coral series, floor-mounted (bottom connection)

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
NKON 05-08.100	150x134x1000	464	3796	53
NKON 05.08.200	150x134x2000	1058	6352	88
NKON 05-10.100	200x134x1000	546	3914	54
NKON 05.10.200	200x134x2000	1245	6549	91
NKON 10-15.150	250x134x1500	1067	6599	92
NKON 10-15.200	250x134x2000	1484	8286	115
NKON 20-25.120	350x134x1200	1053	7726	107
NKON 20.25.200	350x134x2000	1912	11613	161

### Convectors of Isotherm series, wall-mounted (bottom connection)

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
RKNN-310	350x113x1000	1021	7786	108
RKNN-316	350x113x1600	1768	11029	153
RKNN-409	450x113x900	1019	8142	113
RKNN-416	450x113x1600	2008	12601	175
RKN-609 (side connection)	600x113x900	1126	8063	112

### Convectors of Isotherm-M series, wall-mounted (bottom connection)

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
RKNN-M-310	350x110x1050	1080	6738	94
RKNN-M-409	450x110x950	1042	7046	98

\* - recommended price for wholesale buyers, the price in rubles is indexed according to the Euro exchange rate



## Facade convector

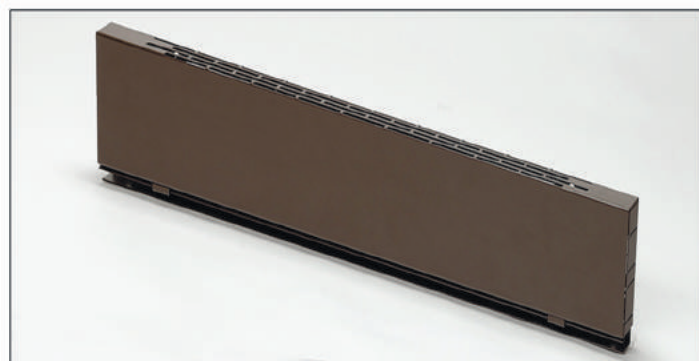
The facade convector is applied for heating rooms with multi-level stained glass large area with a height of from 4 meters. The convector is mounted on vertical frames or horizontal crossbars of window structures in one or more tiers. Versions of the device with a pipe compartment and without a compartment are possible.

Convector depth is 115 and 140 mm (depending on the presence of the pipe compartment), height is 60 mm. Length is from 1000 to 2600 mm in 100 mm increments.

## Skirting board convector

Installed along the walls around the perimeter of the room. Due to the compact size of the convector, even the most inaccessible places are warmed up.

A distinctive feature of the device are its dimensions - the depth of the convector is only 36 mm, and the height is 135 mm. The length of the convector varies from 600 to 3000 mm in increments of 100 mm.



## Bench-convector

The bench-convector is ideal for conservatories, swimming pools, entrances, changing rooms or hallways. It is not only a powerful, effective heating device, but also a stylish piece of interior. The upper decorative plate can be made both from artificial stone and natural coniferous wood.

The bench convector is manufactured:

- 450 mm high;
- 300 mm deep;
- from 1020 to 1820 mm long in 200 mm increments.



## Magnus design convector

Magnus convector is a wall-mounted heating device with both natural and forced convection. Magnus design-convector is a copper-aluminum design-convector with both natural and forced convection. The design of the front panel can be made to the specific wishes of the customer (painting of the panel in any RAL-catalogue color, printing of a picture on the panel, application of stone veneer, etc.), which allows you to give the convector unique design and turn it into an element of decor for the interior in any style.



The vertical structure of the design convector allows you to install it in the interwindow spaces and narrow openings.

Convectors are produced 114 mm deep, 450 mm long and 1550, 1850 and 2050 mm high.



### Novotherm steel convector (bottom connection)

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
SKNN-210	162x77x1000	487	1968	27
SKNN-220	162x77x2200	1139	3328	46
SKNN-412	382x77x1200	1036	3908	54
SKNN-416	382x77x1600	1448	4832	67

### Convector of Bench series with wooden plate

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
KS 410	450x134x1017	1576	13181	183

### Facade convectors

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
KF 11.06.200	61x115x2000	721	6198	86
KFS 14.06.200 (with a compartment for pipes)	61x140x2000	687	6198	86

### Design-convector Magnus

Type	Dimensions: height x depth x length, mm	Heat output (max) for the parameters of 75/65/20, Watts	Price without VAT, rubles*	Price without VAT, euro*
DMK-415	1550x114x450	1208	13717	191
DMK-420	2050x114x450	1618	16578	230

\* - recommended price for wholesale buyers, the price in rubles is indexed according to the Euro exchange rate



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## Our Portfolio



SAINT-PETERSBURG, RESIDENTIAL COMPLEX DOCKLANDS



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SAINT-PETERSBURG, BUSINESS CENTER LEADER TOWER



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