konveka

SC

FREESTANDING CONVECTORS
SC and SC-H

EFFICIENT SILENT HEATING
CLASSIC DESIGN

HEATING

NATURAL CONVECTION

ABSOLUTE SILENCE

SUITABLE FOR LOW-TEMPERATURE SYSTEMS

QUALITY. RELIABILITY. INNOVATION.
MADE IN EUROPE

NATURAL HEAT FOR MODERN ARCHITECTURE

SC and SC-H convectors work on the principle of natural convection – without fans and without noise.

Optimally designed heat exchangers create a gentle, evenly distributed heat curtain at the window, maintain a comfortable room temperature and keep the cold from entering.

SC and SC-H are an elegant, durable and economical solution for modern architecture.

HEATING

Natural convection principle

NATURAL CONVECTION

Gentle, even heat throughout the whole room volume

ABSOLUTE SILENCE

Works without fans - no mechanical noise

CREATED FOR CLEAN LINES AND A COMFORTABLE ENVIRONMENT

EN 442 CERTIFIED OUTPUTS

Tested in an independent accredited laboratory according to the European standard EN 442

NON-INERTIAL OPERATION

Reacts quickly to temperature changes and precisely maintains the set comfort level

ABSOLUTE SILENCE

Works on the principle of natural convection without fans and mechanical noise

SAFE SURFACE

The casing surface temperature does not exceed 40°C

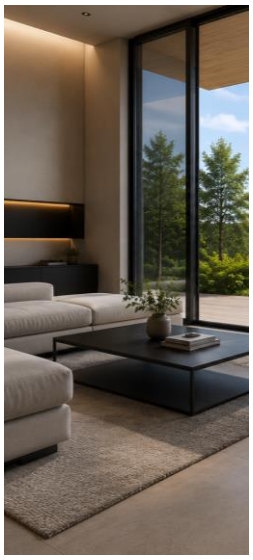
10-YEAR HEAT EXCHANGER WARRANTY

Reliability and durability for everyday use

RAL COLOUR PALETTE

Painted in any RAL colour

WHERE DOES IT FIT?



Residential houses

Offices

Hotels

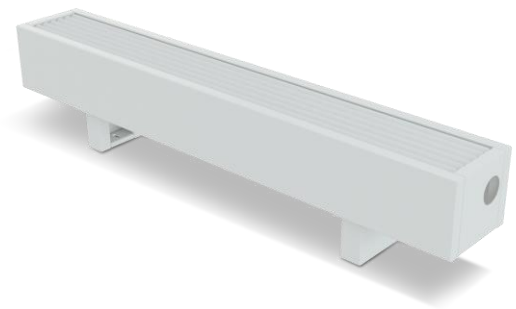
Restaurants

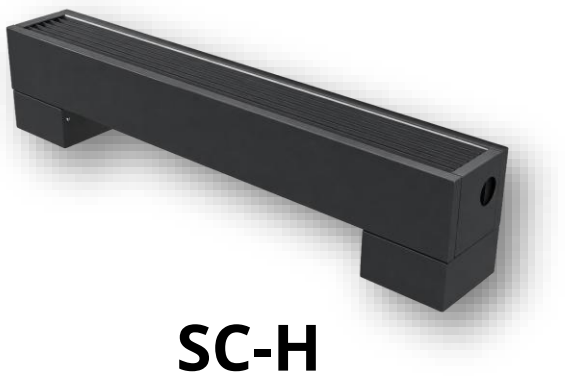
Commercial spaces

SC or SC-H?
THE RIGHT CHOICE FOR EVERY PROJECT

SC and SC-H convectors are built using the same natural convection technology, the same copper-aluminium heat exchangers and feature identical technical characteristics

The only difference is the design





SC CLASSIC DESIGN		SC-H MODERN DESIGN
Classic form		Modern form
The same heat exchangers		The same heat exchangers
The same output		The same output
The same connections		The same connections

THE ONLY DIFFERENCE IS THE DESIGN.
SC and SC-H convectors use identical heat transfer technology.
The choice depends only on the desired aesthetics and the architectural direction of the project.

WHEN TO CHOOSE SC ?

Residential houses
Perfect for flats, houses and apartments

Classic interiors
Harmoniously matches traditional and timeless architecture

Versatile projects
A reliable and functional solution for every project

WHEN TO CHOOSE SC-H ?

Modern interiors
Created for contemporary architecture and a modern lifestyle

Premium segment
Suitable for high-class interiors and exclusive projects

Architectural projects
Becomes part of the interior and emphasises its character.

KEY ADVANTAGES

Why choose SC / SC-H convectors?

NO NOISE

Quiet heat transfer - comfort without disturbance

NO ELECTRICITY

Works without electricity or electronics - reliable and durable

NATURAL CONVECTION

Heat is distributed naturally, efficiently and evenly

FAST RESPONSE

Reacts quickly to temperature changes and ensures comfort

EASY INSTALLATION

The simple construction allows fast and easy installation

LOW SURFACE TEMPERATURE

Safe surface - no risk of burns

HIGH WORKING PRESSURE

Suitable for high pressure systems

EN 442 CERTIFICATION

Meets the strict requirements of the European standard EN 442

DURABILITY

High-quality materials ensure a long service life

7-YEAR WARRANTY

Reliability confirmed by a long warranty for heat exchanger

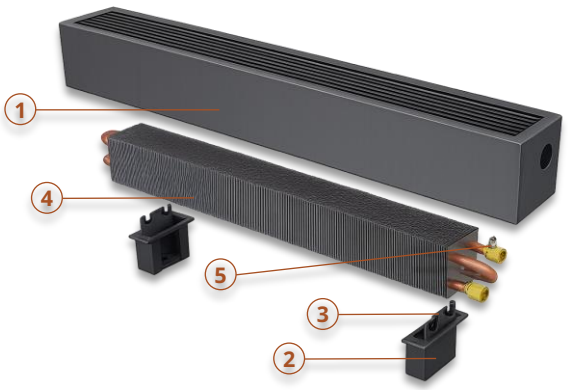
A RELIABLE SOLUTION FOR THE LONG TERM.

SC and SC-H convectors are designed to deliver reliable, safe and efficient heating for many years. Quality you will feel every day.

CONSTRUCTION AND MATERIALS

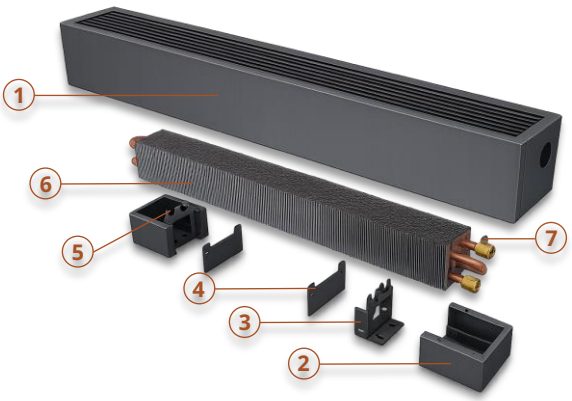
High-quality materials.
Reliable construction.

SC
CLASSIC DESIGN



1. Steel casing, powder-coated
2. Steel feet, powder-coated
3. Heat exchanger protection – fixing elements
4. Copper - aluminium heat exchanger
5. Air vent

SC-H
MODERN DESIGN



1. Steel casing, powder-coated
2. Steel feet, powder-coated
3. Steel heat exchanger holders, powder-coated
4. Feet covers
5. Heat exchanger protection – fixing elements
6. Copper-aluminium heat exchanger
7. Air vent

STEEL CASING

A sturdy steel casing, powder-coated, ensures long-lasting durability

COPPER-ALUMINIUM HEAT EXCHANGER

High-quality copper tubes and profiled aluminium fins ensure efficient heat transfer

POWDER COATING

Scratch- and corrosion-resistant powder coating preserves the aesthetic appearance for many years

FIXING SYSTEM

Sturdy feet and fixing elements ensure stable installation and reliable operation

DESIGN OPTIONS

A convector that adapts to your architecture

MODERN HOME
Clean lines, bright spaces and natural comfort

OFFICE
Discreet design, efficient heating and everyday convenience

PREMIUM INTERIOR
Exclusive materials, a luxurious feel and the highest quality

STANDARD COLOUR

WHITE
RAL 9016

CUSTOM COLOURS ON REQUEST

Painting in any RAL colour is possible.

RAL 7016 Anthracite Grey | RAL 9005 Jet Black | RAL 7024 Graphite Grey | RAL 7044 Silk Grey | RAL 7006 Beige Grey | RAL 1035 Pearl Beige | RAL of choice

UNLIMITED DESIGN OPTIONS

A wide colour palette allows a perfect match with any interior style

SUITABLE FOR ALL TYPES OF INTERIORS

For modern homes, offices, hotels and commercial spaces

QUALITY AND DURABILITY

High-quality powder coating ensures durability and longevity

MODELS, DIMENSIONS AND OUTPUTS

SC and SC-H models are manufactured in 288 width, height and length versions, so they can be adapted to the requirements of the most varied projects

WIDTHS

14 cm

Compact

19 cm

Versatile

24 cm

Powerful

HEIGHTS

14,5 cm (SC)
15,0 cm (SC-H)

Low profile

21,5 cm

Standard

26,5 cm

Increased output

33,0 cm

Maximum output

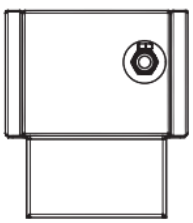
WIDTH
14 / 19 / 24 cm

HEIGHT
14,5-15,0 / 21,5 / 26,5 / 33,0 cm

LENGTH
60 - 290 cm (every 10 cm)

CONSTRUCTION AND CONNECTION OPTIONS

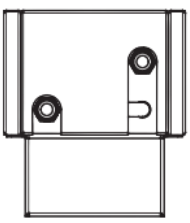
SC



Mounting:
floor

Connections:
bottom

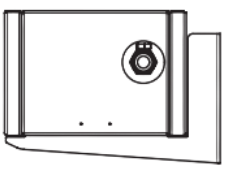
SC-S



Mounting:
floor

Connections:
end

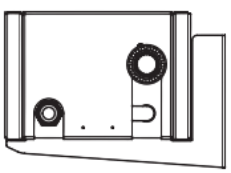
SC-W



Mounting:
wall

Connections:
bottom

SC-WS



Mounting:
wall

Connections:
end

MODELS, DIMENSIONS AND OUTPUTS

THERMAL OUTPUT (W) AT 75/65/20°C EN 442

Width (cm)	Height (cm)	Length (cm)																							
		60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
14	14,5/15,0	178	223	269	314	359	404	449	494	539	585	630	675	720	765	810	855	901	946	991	1036	1081	1126	1171	1217
	21,5	272	341	410	479	548	617	686	755	824	893	962	1031	1100	1169	1238	1307	1376	1445	1514	1583	1652	1721	1790	1859
	26,5	324	407	489	571	653	735	817	900	982	1064	1146	1228	1310	1392	1475	1557	1639	1721	1803	1885	1968	2050	2132	2214
	33,0	377	472	567	663	758	853	948	1044	1139	1234	1330	1425	1520	1616	1711	1806	1902	1997	2092	2188	2283	2378	2474	2569
19	14,5/15,0	267	335	403	471	538	606	674	741	809	877	945	1012	1080	1148	1215	1283	1351	1419	1486	1554	1622	1689	1757	1825
	21,5	409	512	616	719	823	926	1029	1133	1236	1340	1443	1547	1650	1754	1857	1961	2064	2168	2271	2374	2478	2581	2685	2788
	26,5	487	610	733	856	980	1103	1226	1349	1473	1596	1719	1842	1965	2089	2212	2335	2458	2582	2705	2828	2951	3074	3198	3321
	33,0	562	704	846	988	1130	1273	1415	1557	1699	1841	1984	2126	2268	2410	2552	2695	2837	2979	3121	3263	3406	3548	3690	3832
24	14,5/15,0	373	467	562	656	750	845	939	1034	1128	1222	1317	1411	1505	1600	1694	1789	1883	1977	2072	2166	2261	2355	2449	2544
	21,5	571	715	860	1004	1148	1293	1437	1582	1726	1871	2015	2160	2304	2448	2593	2737	2882	3026	3171	3315	3460	3604	3749	3893
	26,5	659	825	992	1159	1326	1492	1659	1826	1993	2160	2326	2493	2660	2827	2993	3160	3327	3494	3660	3827	3994	4161	4327	4494
	33,0	747	936	1125	1314	1503	1692	1881	2070	2259	2448	2637	2827	3016	3205	3394	3583	3772	3961	4150	4339	4528	4717	4906	5095

THERMAL OUTPUT (W) AT 65/55/20°C EN 442

Width (cm)	Height (cm)	Length (cm)																							
		60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
14	14,5/15,0	130	163	196	229	261	294	327	360	393	426	459	492	525	557	590	623	656	689	722	755	788	821	854	886
	21,5	197	246	296	346	396	446	495	545	595	645	695	744	794	844	894	943	993	1043	1093	1143	1192	1242	1292	1342
	26,5	234	293	353	412	471	530	590	649	708	767	827	886	945	1004	1064	1123	1182	1241	1300	1360	1419	1478	1537	1597
	33,0	271	340	409	478	546	615	684	752	821	890	958	1027	1096	1165	1233	1302	1371	1439	1508	1577	1646	1714	1783	1852
19	14,5/15,0	195	244	294	343	392	442	491	540	590	639	688	738	787	836	886	935	984	1034	1083	1132	1182	1231	1280	1330
	21,5	295	370	444	519	594	668	743	818	892	967	1042	1116	1191	1266	1341	1415	1490	1565	1639	1714	1789	1863	1938	2013
	26,5	351	440	529	618	707	795	884	973	1062	1151	1240	1329	1418	1506	1595	1684	1773	1862	1951	2040	2128	2217	2306	2395
	33,0	402	504	606	708	809	911	1013	1115	1217	1318	1420	1522	1624	1726	1827	1929	2031	2133	2235	2336	2438	2540	2642	2744
24	14,5/15,0	274	344	413	483	552	622	691	761	830	899	969	1038	1108	1177	1247	1316	1386	1455	1525	1594	1664	1733	1802	1872
	21,5	410	514	618	722	826	930	1034	1138	1241	1345	1449	1553	1657	1761	1865	1969	2073	2176	2280	2384	2488	2592	2696	2800
	26,5	472	591	710	830	949	1069	1188	1307	1427	1546	1666	1785	1904	2024	2143	2263	2382	2501	2621	2740	2860	2979	3098	3218
	33,0	533	668	803	938	1072	1207	1342	1477	1612	1747	1882	2017	2152	2287	2422	2556	2691	2826	2961	3096	3231	3366	3501	3636

THERMAL OUTPUT (W) AT 55/45/20°C EN 442

Width (cm)	Height (cm)	Length (cm)																							
		60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
14	14,5/15,0	86	108	130	152	174	196	218	239	261	283	305	327	349	371	393	414	436	458	480	502	524	546	567	589
	21,5	129	162	195	227	260	293	325	358	391	423	456	489	522	554	587	620	652	685	718	750	783	816	849	881
	26,5	154	192	231	270	309	348	387	426	465	503	542	581	620	659	698	737	776	814	853	892	931	970	1009	1048
	33,0	178	223	268	313	358	403	448	493	538	583	628	673	718	764	809	854	899	944	989	1034	1079	1124	1169	1214
19	14,5/15,0	130	162	195	228	261	294	326	359	392	425	458	490	523	556	589	622	654	687	720	753	786	818	851	884
	21,5	194	243	292	341	390	439	488	537	586	635	684	733	782	831	881	930	979	1028	1077	1126	1175	1224	1273	1322
	26,5	230	289	347	405	464	522	580	639	697	755	813	872	930	988	1047	1105	1163	1222	1280	1338	1397	1455	1513	1572
	33,0	261	328	394	460	526	592	658	725	791	857	923	989	1056	1122	1188	1254	1320	1386	1453	1519	1585	1651	1717	1783
24	14,5/15,0	185	232	278	325	372	419	465	512	559	606	653	699	746	793	840	886	933	980	1027	1074	1120	1167	1214	1261
	21,5	268	336	404	472	540	608	676	744	812	880	947	1015	1083	1151	1219	1287	1355	1423	1491	1559	1627	1695	1762	1830
	26,5	307	384	462	539	617	695	772	850	927	1005	1083	1160	1238	1316	1393	1471	1548	1626	1704	1781	1859	1936	2014	2092
	33,0	345	432	519	607	694	781	869	956	1043	1131	1218	1305	1393	1480	1567	1654	1742	1829	1916	2004	2091	2178	2266	2353

Thermal outputs at non-standard temperatures are given at konveka.com:
https://konveka.com/product/trench-heaters/pastatomi-konvektoriai-sc/
https://konveka.com/product/trench-heaters/pastatomi-konvektoriai-sc-h/

MAXIMUM WATER FLOW AND PRESSURE LOSS

Width, cm	Height, cm	Max. water flow, l/h	Pressure loss calculation formula, Pa
14	14,5 (SC) 15,0 (SC-H)	122	(L - 0,20) x (0,0074 x q^2 - 0,0501 x q + 0,0796)
	21,5	190	(L - 0,20) x (0,0078 x q^2 + 1,3090 x q - 20,440)
	26,5	226	(L - 0,20) x (0,0111 x q^2 + 2,2429 x q - 58,220)
	33,0	246	(L - 0,20) x (0,0157 x q^2 + 2,6179 x q - 40,880)
19	14,5 (SC) 15,0 (SC-H)	171	(L - 0,24) x (0,0022 x q^2 + 0,3040 x q + 4,120)
	21,5	265	(L - 0,20) x (0,0111 x q^2 + 2,2429 x q - 58,220)
	26,5	316	(L - 0,24) x (0,0084 x q^2 + 0,5728 x q + 14,976)
	33,0	344	(L - 0,20) x (0,0301 x q^2 + 1,8654 x q + 5,7952)
24	14,5 (SC) 15,0 (SC-H)	239	(L - 0,20) x (0,0078 x q^2 + 1,3090 x q - 20,440)
	21,5	371	(L - 0,20) x (0,0157 x q^2 + 2,6179 x q - 40,880)
	26,5	442	(L - 0,20) x (0,0301 x q^2 + 1,8654 x q + 5,7952)
	33,0	481	(L - 0,20) x (0,0313 x q^2 + 5,2215 x q - 78,190)

ACCESSORIES

Correctly selected accessories ensure convenient installation, precise temperature regulation and smooth system operation

01 THERMOSTATIC VALVE (AXIAL) TVA15

- Working temperature -10°C -120°C
- Thread 1/2"
- Pressure class - PN10
- Kvs - 2,0
- Body – nickel-plated bronze

02 RETURN FLOW LIMITER (ANGLE) LA15

- Working temperature -10°C -120°C
- Thread 1/2"
- Pressure class - PN10
- Kvs – 2,0
- Body – nickel-plated bronze

03 THERMOSTATIC HEAD TH

- Temperature range 6°C - 28°C
- Connection thread M30 x 1.5mm
- Max. temperature limiting
- Frost protection
- Casing material ABS

REAL PROJECTS

KONVEKA convectors are chosen in prestigious buildings worldwide, where comfort, reliability and architectural aesthetics matter most

VILNIUS, LITHUANIA
ADMINISTRATIVE BUILDING

Application
Offices

Product
SC

Colour
RAL 8025

BUSINESS CENTRE
RIGA, LATVIA

Application
Business centre

Product
SC

Grilles
Painted metal

HOTEL "BRITANNIA"
TRONDHEIM, NORWAY

Application
Hotel

Product
SC

Grilles
Painted metal

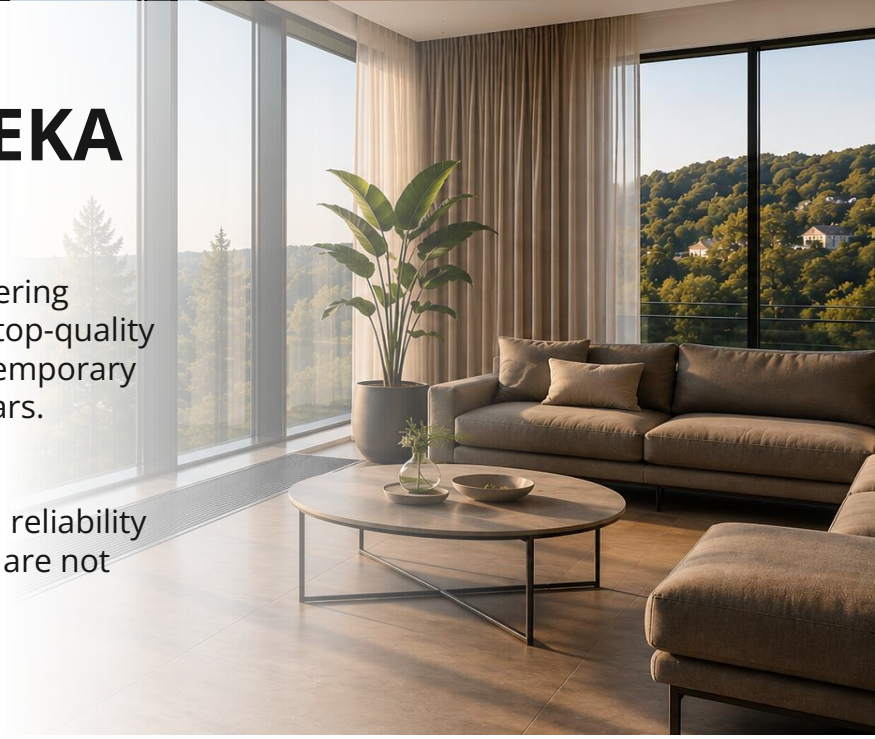
SHOPPING CENTRE „MEGA“
KAUNAS, LITHUANIA

Application
Shopping centre

Product
SC-H

Grilles
Painted metal

ABOUT KONVEKA



KONVEKA is a Lithuanian engineering company that has been creating top-quality convectors and fan coils for contemporary architecture for more than 20 years.

Our solutions combine efficiency, reliability and aesthetics - so that buildings are not only functional but also inspiring

20+

YEARS OF EXPERIENCE

For more than two decades we have been manufacturing convectors and fan coils

30+

COUNTRIES

Our products are used worldwide

1 000+

COMPLETED PROJECTS

Reliable solutions in residential, commercial and public buildings

EUROPEAN ENGINEERING

Created and manufactured in Lithuania, to the highest quality standards

OUR VALUES

ARCHITECTURE FIRST

We create products that naturally blend into modern architecture

RELIABILITY

Top-quality materials and strict quality control

EFFICIENCY

Maximum thermal efficiency and low energy consumption

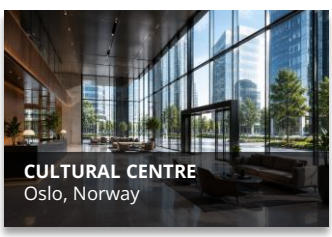
COMFORT

Quiet operation and even heat distribution - for comfort every day

FLEXIBLE SOLUTIONS

A wide range of custom – made products for any project

KONVEKA SOLUTIONS - FOR CONTEMPORARY ARCHITECTURE



www.konveka.com
sales@konveka.lt
+370 677 06303