



THE SENSOTHERM **WMC**
WALL-MOUNTED CONVECTOR RANGE

**Senso
therm**
heat with style



[Sensotherm WMC • WMCB

THE SENSOTHERM WMC CONVECTOR RANGE natural convection

Apart from its design the wall-mounted convectors also offer many other advantages: efficient operation, higher performance at smaller dimensions, faster onset of heat. You won't burn yourself with our convectors! Surface temperature is low and the heat is transferred into the space of the room, not into the wall. A wall-mounted convector with a designer flat front.



Wall-mounted convectors with natural convection Sensotherm WMC • WMCB

The wall-mounted WMC convectors are standard wall-mounted convectors with a long history, used in households as well as in commercial premises. The modern design, easy mounting and economical operation are the reasons why they are so popular. With regard to the unique design of the heat exchanger used they achieve higher outputs even at small dimensions of the element. The great advantage of the WMC wall-mounted convectors is their lower surface temperature, with no heat dissipation into the wall.

Wall-mounted convectors' grouping

- WMC WMCB
- WMCB (InPool) – element intended for humid environment
- WMC PLAN – element with complete straight front wall

Standard delivery contains

- casing of zinc galvanised steel sheet coated in shade RAL 9010 – white
- Al/Cu heat exchanger with low water content, air vent and uniquely shaped fins for a higher heat output
- available with bottom or side connection (advisable at time of order)
- wall-mounted suspension brackets
- the set is packed in durable packaging and contains installation instructions

Specification

depth (mm)	60, 120
height (mm)	450, 600
lengths (mm)	400, 600, 800, 1 000, 1 200, 1 400, 1 600, 1 800, 2 000
outputs (W)	from 266 to 2 598
max. working pressure	12 Bar
max. working temperature	110 °C
max. surface temperature	40 °C
connecting thread	inner G 1/2"
connection method	recommended bottom connection, side

Standard Version (WMC) • casing of zinc galvanised steel sheet coated in shade RAL 9010

InPool Version (WMCB) • casing made of stainless steel AISI 316 and coated with RAL 9010 colour; intended for humid environment

Selectable specification

- if more than five pieces are ordered, it is possible to choose another colour shade finish from the RAL range of colours at an additional cost
- all-stainless steel design suitable for humid environments such as swimming pools, stainless steel AISI 316 coated in white colour shade RAL 9010

Design version

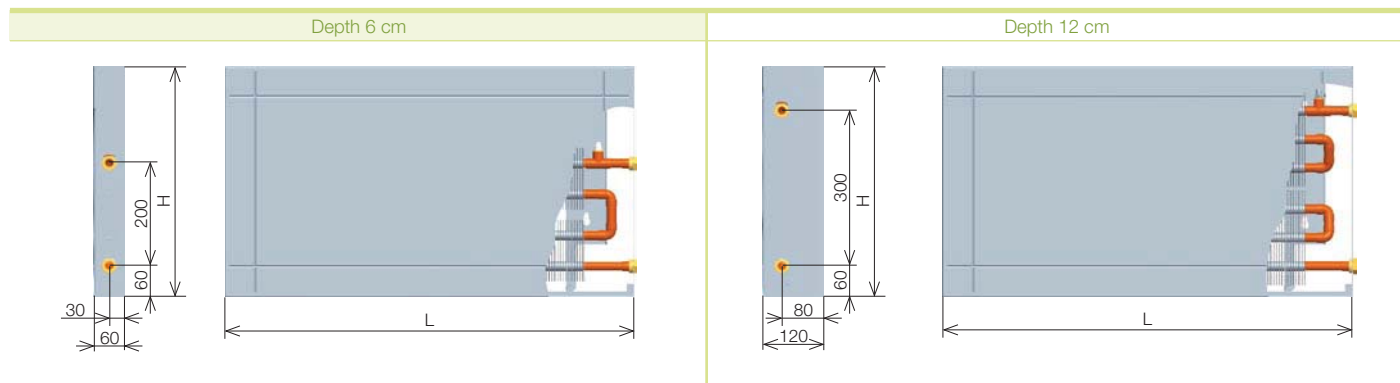
Sensotherm WMCP

with an absolutely straight front plate.

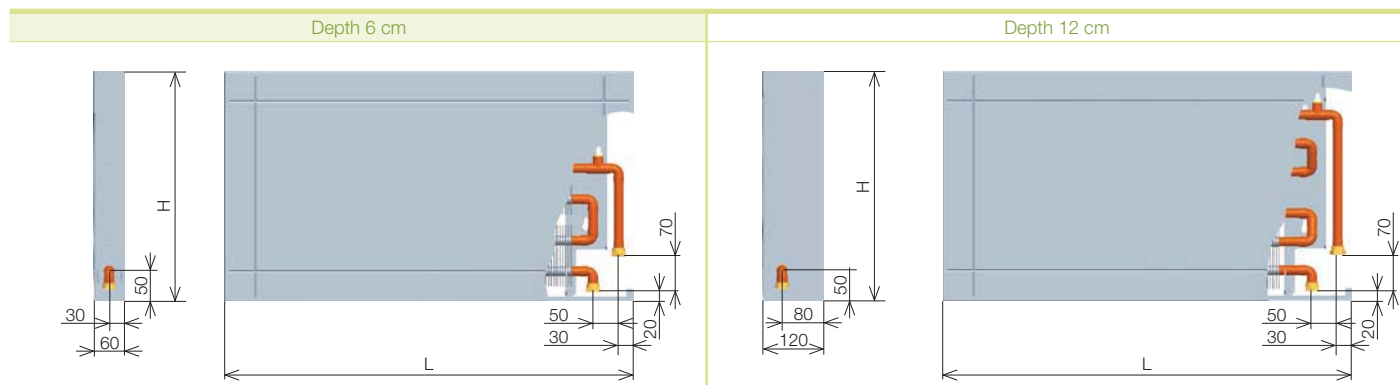


Element sections

Side connection



Bottom connection



WMC is available in right or left version. The connecting side must be indicated in the order. In the schematic representations the dimensions are expressed in mm.

Heating outputs

Heat outputs (W) at 75/65/20 °C ($\Delta t=50$) and 65/55/20 °C ($\Delta t=40$) / EN 442

Depth (cm)		Δt	Length L (cm)								
			40	60	80	100	120	140	160	180	200
Height 45	6	Δt 50	266	400	533	665	799	933	1065	1199	1332
		Δt 40	199	299	399	498	598	698	797	897	997
	12	Δt 50	449	675	902	1127	1354	1578	1804	2030	2258
		Δt 40	336	505	675	843	1013	1181	1350	1519	1690
Height 60	6	Δt 50	291	436	582	727	873	1018	1159	1304	1450
		Δt 40	218	327	435	544	653	762	867	976	1085
	12	Δt 50	519	779	1039	1298	1558	1818	2078	2338	2598
		Δt 40	388	583	777	972	1166	1360	1555	1749	1944



Design solutions

The wall-mounted heating elements WMC, WMCB have on their front face a significant design element, which consists of one design section in the lengths from 40 to 120 cm, two sections in the lengths from 140 to 180 cm and three sections in the length of 200 cm.

Correction factor k_t for a variant temperature difference Δt (K)

Δt (K)	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
k_t	0.265	0.284	0.304	0.324	0.344	0.364	0.385	0.406	0.427	0.449	0.471	0.493	0.515	0.537	0.560	0.583
Δt (K)	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
k_t	0.606	0.629	0.652	0.676	0.700	0.724	0.748	0.773	0.797	0.822	0.847	0.872	0.897	0.923	0.948	0.974
Δt (K)	50	51	52	53	54	55	56	57	58	59	60					
k_t	1.000	1.026	1.052	1.079	1.105	1.132	1.159	1.186	1.213	1.240	1.267					

Weights and water volumes of wall-mounted convectors

WMCB pool version

Convectors intended for use at pools must be kept clean and regularly washed with clean water. More about the service and warranty conditions available from Sensotherm.

Type	45/6	60/6	45/12	60/12
kg/linear meter	14.9	19	16.4	20.6
stainless steel kg/1 bm	11.5	11.5	13	16
l/1 linear meter	1	1.5	1	1.5

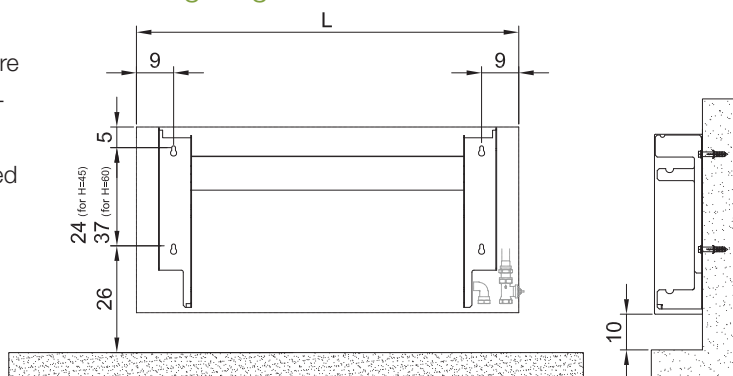
The listed weights are without packaging.

Installation of convectors Sensotherm WMC • WMCB

Installation instructions

It is recommended to always position the wall-mounted heating element on a peripheral wall, 10 cm above the floor. Elements are suspended on the wall with the use of dowels and screws included in the packaging. See the sketch of element anchorage for the method of suspension on the wall. The elements are supplied assembled.

Anchoring diagram



Ordering codes Wall-mounted convectors WMC • WMCB

					length		height		width		Casing finish PLAN of one piece no design
Economic	steel/unpainted exchanger	WMC	-	...	/	...	/	..	-	SP	
InPool	stainless steel for humid environment white/unpainted exchanger *	WMCB	-	...	/	...	/	..	-	SP	

* custom-made design

Wall-mounted convectors Sensotherm WMC
Wall-mounted convectors Sensotherm WMCB

Water inlet
SP bottom, right
SL bottom, left
BP side, right
BL side, left

ORDERING CODE: WMC/length/height/depth (in cm) connection (B-side, S-bottom) connection side (L-left, P-right) Flat Front version (PLAN). Example: WMC 140/60/9 SP = WMC convector element, length 1400 mm, height 600 mm, depth 60 mm, bottom connection on the right side.



Sensotherm Europanel Ltd
Stafford Park 16, Telford,
Shropshire TF3 3BS.

Tel: 01952 292219

Fax: 01952 292128

E-mail: sales@sensotherm.co.uk

www.sensothermeuropanel.com