
LAURENS
radiatoren & retro sanitair
SPIRALIX
Finned tube radiators
Industriële Ribbenbuis-Spiraal radiatoren

Contents

Spiralix

The history of finned tube radiators goes back a long time. They first began to appear in factories, warehouses, greenhouses, gyms and laundries. Nowadays, we can also encounter them in office buildings, hallways, restaurants as well as in our homes. Contemporary architecture, filled with new shapes and novel solutions, has allowed the introduction of this industrial element into our immediate vicinity. The possibilities in terms of size, mounting and colour designs will expand the imagination and reinforce the space's uniqueness. Break loose from conventional standards and give originality a chance. Thanks to the thick-walled tube with fins, you will obtain a product with a very long service life. Spiralix radiators are suitable for both horizontal and vertical mounting. Coupled with the colour design options, they provide an aesthetic addition to the interior.

△ Spiralix
RAT3-S

△ Spiralix
RAO2-V

Basic specifications

Material	strip steel coiled on a thick-walled steel pipe
Models	RA1, RAT2, RAT3, RAO2, RAO3
Tube × fin diameter	Ø32×92 mm, Ø57×137 mm, Ø76×156 mm Ø89×169 mm, Ø108×188 mm
Length	**500–6 000 mm** horizontal **500–2 500 mm** vertical (in step 100 mm, from 3 000 mm in step 200 mm)
Horizontal mounting	floor and wall
Vertical mounting	wall
Base colour	snow white RAL 9016 (colour code - 01)
Additional colours	as per Laurens and the basic RAL colour charts

Operating conditions

Max. operation overpressure	1,0 MPa
Max. operation temperature	120 °C
Connection thread	inner G1/2“
Heating system	with forced circulation
Ambient conditions	ambient temperature +2 to +40 °C relative humidity 20-70%

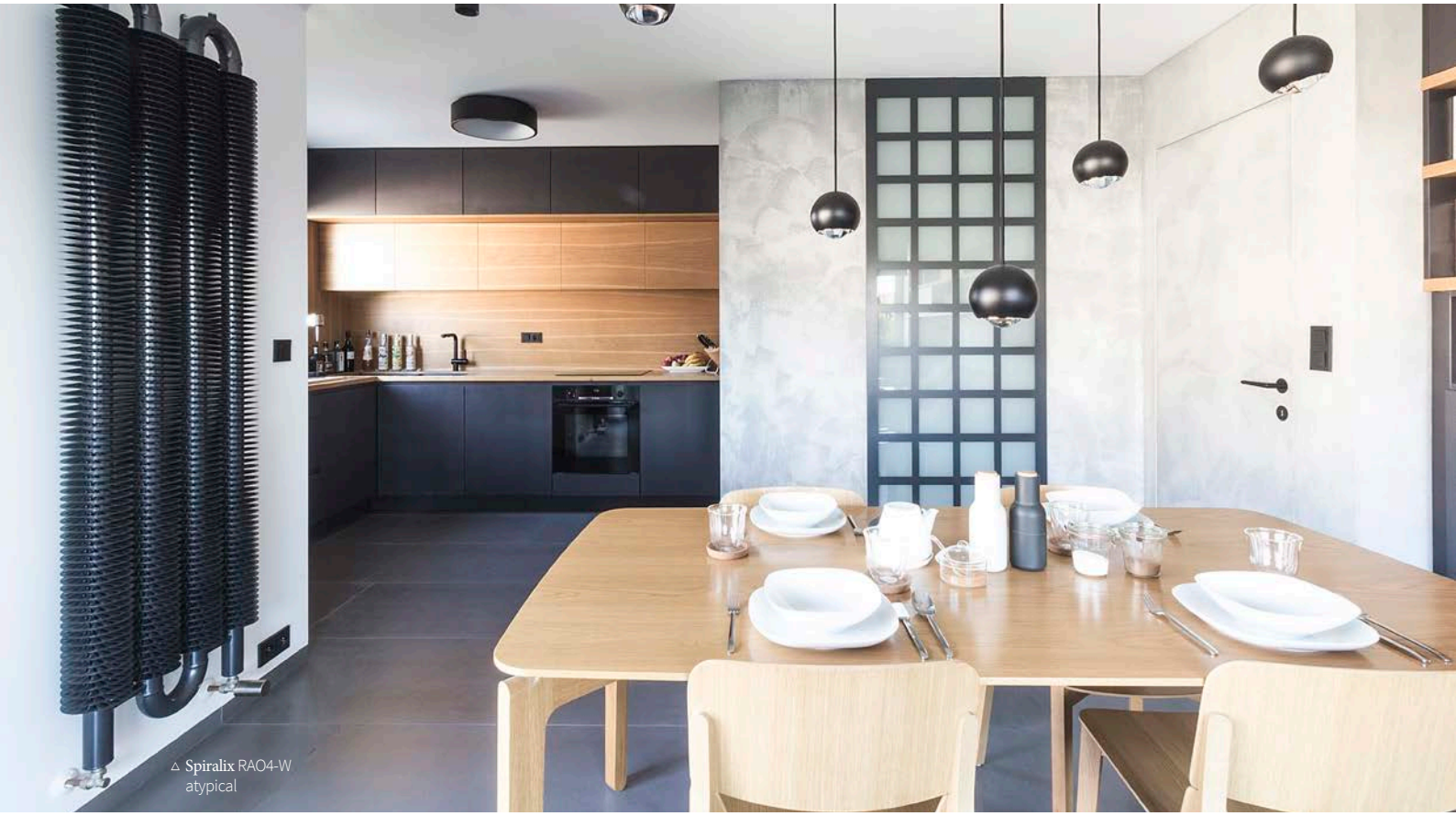
Modifications

Stainless steel (Ø 32×92, Ø 57×137, Ø 76×156 mm models)
Galvanized (all models)

Atypical configurations

different connection threads, alternative connection position, denser or thinner finning, additional strands (e.g. RAT4), etc.

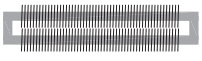
An attractive helix :-)



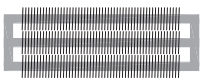
△ **Spiralix** RAO4-W
atypical

Horizontal models

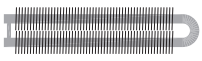
RA1



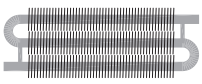
RAT2



RAT3

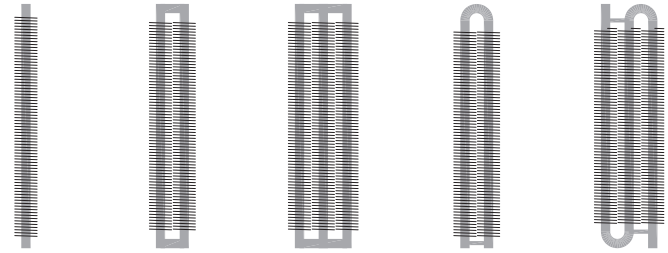


RAO2



RAO3

Vertical models



RA1 RAT2 RAT3 RAO2 RAO3

Spiralix **without fins**

Minimalism and subtle beauty. Heat-emitting tubes welded in square or S-shaped patterns. The heat produced by the tubes alone may not seem like much, but it is more than enough. This discreet solution is especially popular in corridors, halls, waiting rooms, staircases, wine cellars, restaurants, and even in low-energy and passive houses. It is particularly well suited for heating warehouses and areas where safety requirements are of greater concern, such as in horse stables or other farm buildings. The robust thick-walled pipes guarantee a long service life, making the investment worthwhile.

△ Spiralix
HRAO3-F

△ Spiralix
HRAT3-V

Basic specifications

Material	a thick-walled steel pipe
Models	HRA1, HRAT2, HRAT3, HRAO2, HRAO3
Tube diameter	Ø32 mm, Ø57mm, Ø76 mm Ø89 mm, Ø108 mm
Length	**500–6 000 mm** horizontal **500–2 500 mm** vertical (in step 100 mm, from 3 000 mm in step 200 mm)
Horizontal mounting	floor and wall
Vertical mounting	wall
Base colour	snow white RAL 9016 (colour code - 01)
Additional colours	as per Laurens and the basic RAL colour charts

Operating conditions

Max. operation overpressure	1,0 MPa
Max. operation temperature	120 °C
Connection thread	inner G1/2“
Heating system	with forced circulation
Ambient conditions	ambient temperature +2 to +40 °C relative humidity 20-70%

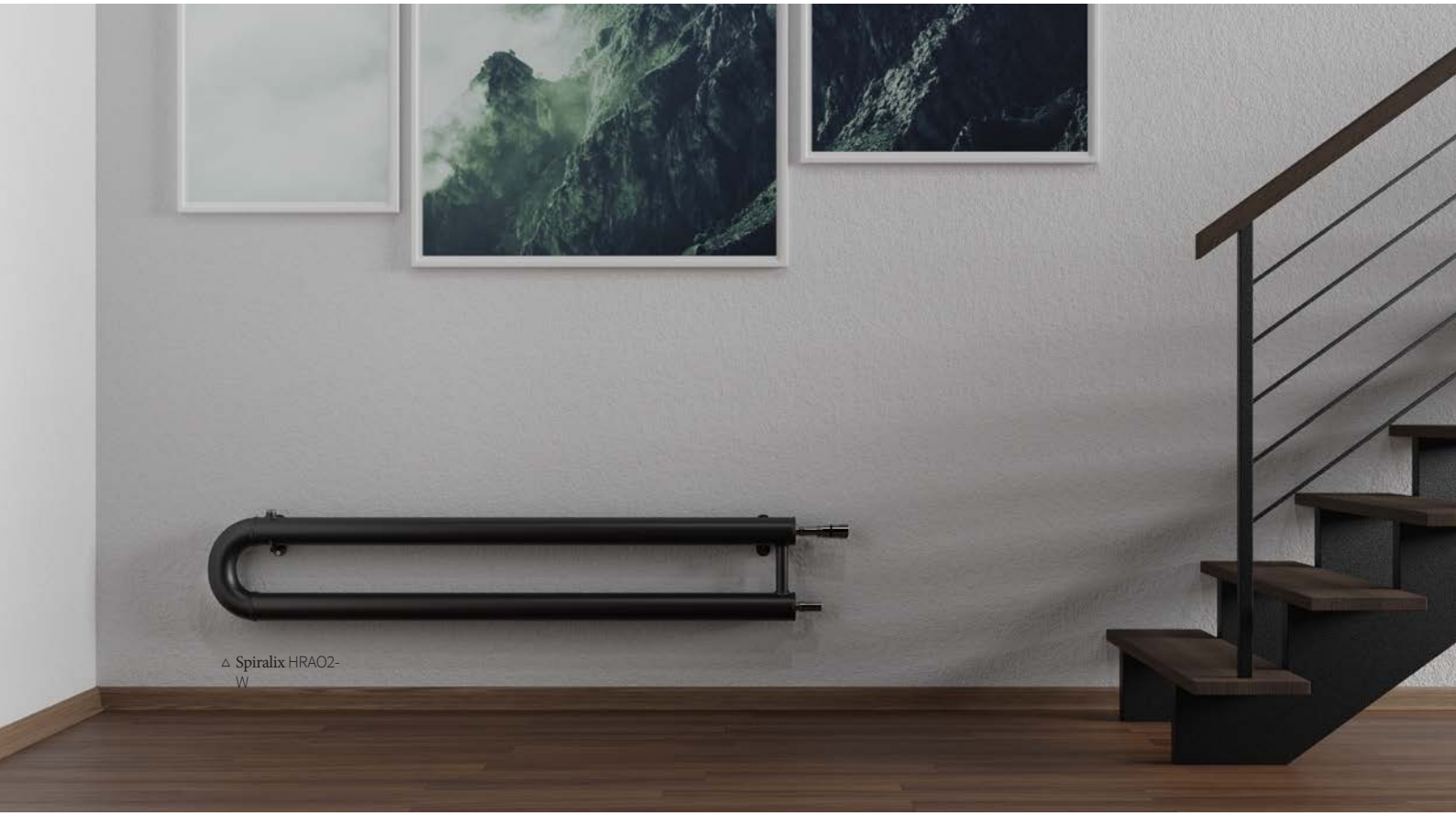
Modifications

Stainless steel (Ø 32, Ø 57, Ø 76 mm)
Galvanized (all models)

Atypical configurations

different connection threads, alternative connection position, denser or thinner finning, additional strands (e.g. HRAT4), etc.

Give subtlety a chance



△ **Spiralix** HRAO2-W

Horizontal models

HRA1

HRAT2

HRAT3

HRAO2

HRAO3

Vertical models

HRA1 HRAT2 HRAT3 HRAO2 HRAO3

Stainless steel design

Models Ø32, Ø57, Ø76

MODERN INTERIOR DESIGN ELEMENTS

Stainless steel radiators are designed for modern interiors, for premises with requirements for environmental resistance and durability. They are an important part of the room, a massive metal body with gently blasted finish and visible welds.

WET ENVIRONMENT

Stainless steel coils are suitable for rooms with higher humidity and in the environment where the radiator comes into contact with the water and steam. The material is waterproof and in the longterm period retains the functional characteristics and appearance. Not suitable for aggressive environments with an increased share of chlorine, salt water, etc.

RESISTANCE

Excellent mechanical properties of stainless steel are a prerequisite for the resistance against abrasion, scratches and mechanical damage. Used stainless steel material also serves as a protection against corrosion. If the conditions for the operation of the body are complied with the life is almost unlimited.

MATERIAL

The radiator body is made of stainless steel ČSN 17240 (DIN 1.4301, AISI 304). The body surface is finely sanded.

HEATING OUTPUT

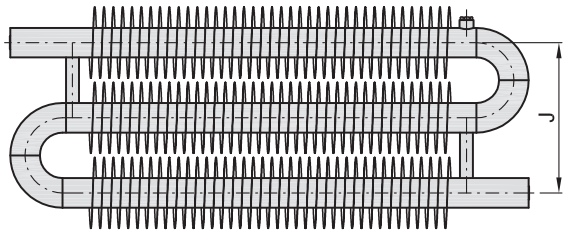
Consider the heating output of the Spiralix stainless steel radiators 35% lower than with standard painted steel bodies.

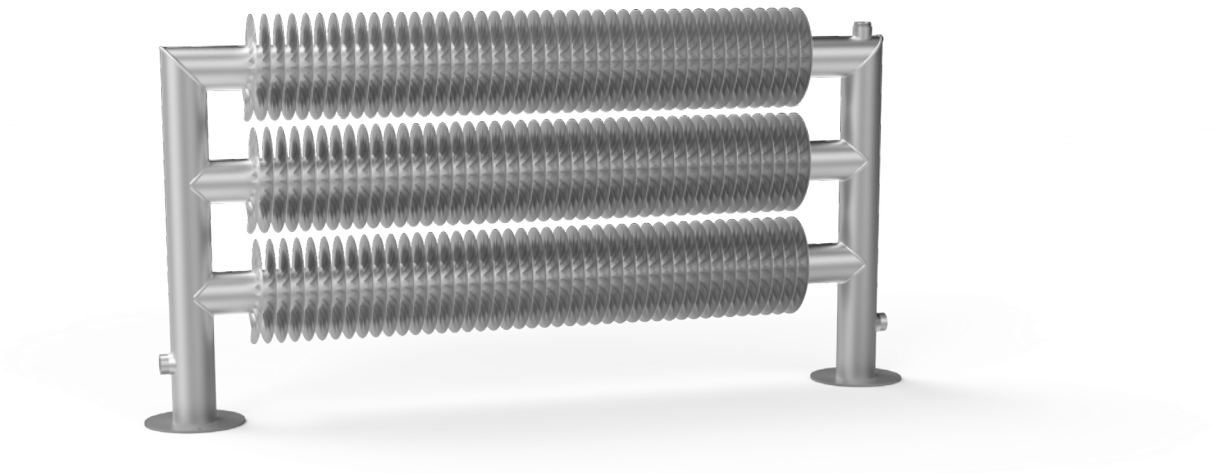
DESIGN

Types of radiators RAO2, RAO3 in the stainless steel design have a different pitch of "J" finned tubes compared to the standard design, see the table:

Distance J [mm] of types RAO2, RAO3

Type of Spiralix	Painted steel	Stainless steel
RAO2 Ø57 mm	145 mm	175 mm
RAO2 Ø76 mm	200 mm	195 mm
RAO3 Ø57 mm	290 mm	350 mm
RAO3 Ø76 mm	400 mm	390 mm





△ Spiralix
RAT3-S

Galvanized design

All variants

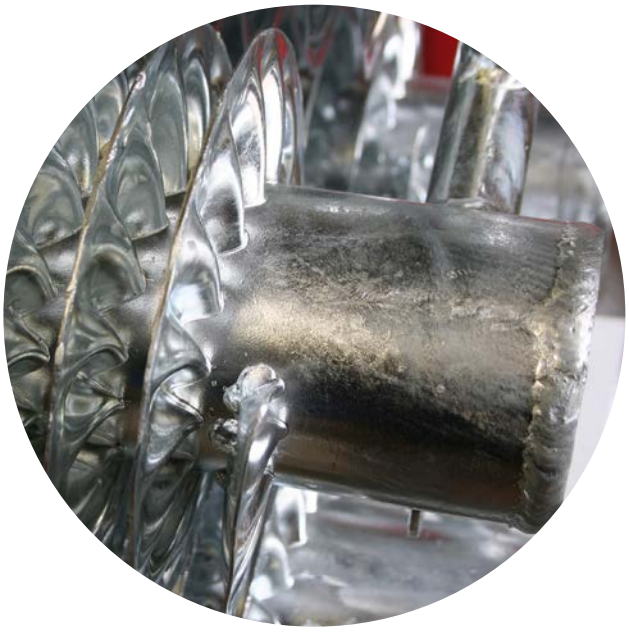
THE RADIATOR IN THE AGGRAVATED ENVIRONMENT

The hot-dip galvanizing finish is suitable for environments with the difficult environmental conditions. By immersing in the zinc bath with the temperature of 450–470°C, the high quality zinc coating is applied to the steel body. This can long withstand the adverse effects of the surroundings and is resistant to mechanical wear.

The galvanized surface is characterized by the following properties:

- long life
- non-porous uniform surface
- high quality and uniform coating, even on the inside and hard to reach areas

This all while meeting the criteria of the environmental standards



MOIST AND AGGRESSIVE ENVIRONMENTS

Galvanizing resists aggravated environmental conditions when used in areas where it is exposed to water, steam, frost, ammonia and other aggressive substances.

- aggressive environment (farm buildings, piggeries, ...)
- open spaces (halls, stadiums ...)
- exposed premises (boiler rooms, manufacturing plants)

RESISTANCE

Galvanized finish is resistant to mechanical damage. It is suitable for manufacturing plants, commercial buildings and wherever it is within the operation and handling possible that the body will be subjected to abrasion or impacts.

HEATING OUTPUT

Consider the heating output of Spiralix galvanized radiators being 10 % lower than standard painted steel bodies.

CONS – APPEARANCE AND DESIGN ADJUSTMENT

The technology of applying the zinc coating by dipping in hot metal bath entails several disadvantages. The surface is not completely smooth; it may contain surface roughness (meal). There may be burrs caused by sagging zinc along the perimeter. Structurally, it is necessary to provide the radiator with additional couplings (securing inlet, outlet and venting openings). The zinc layer is also inside the radiator.

The production itself is always preceded by drawing to be confirmed by the customer.

The final radiator is shipped roughly deburred whereas additional lugs are blinded and connecting threads are stretched.

DESIGN

Spiralix radiator with the hot-dip zinc is not primarily intended for use in residential interiors, unless explicitly intended by the architect, who accepts the surface roughness of the product. It is more suitable to commercial premises.

Spiralix Radiators with the galvanized coating are supplied with these connecting threads:

Connecting threads	
G 3/4"	for Spiralix Ø32×92 mm
G1"	for Spiralix Ø57×137, Ø76×156, Ø89×169, Ø108×188 mm

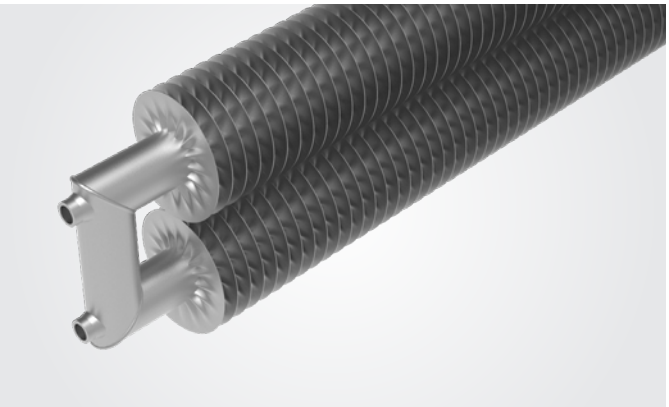
Including galvanized reductions for thread G1/2"

△ Spiralix
RAO2-V

Indicative heating outputs of the Spiralix modifications

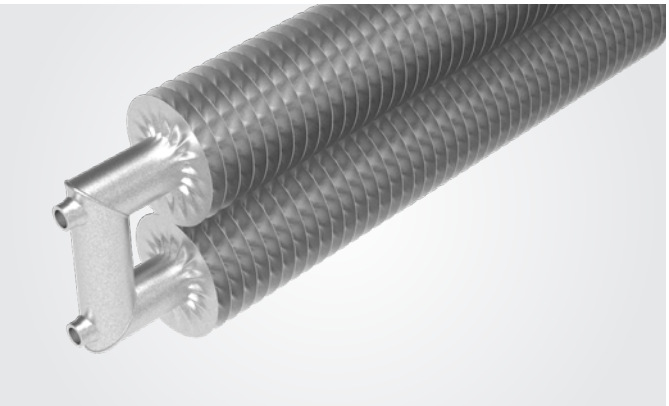
Spiralix Vertical

The heating output of the vertical Spiralix models is about 30 % lower than that of horizontal units.



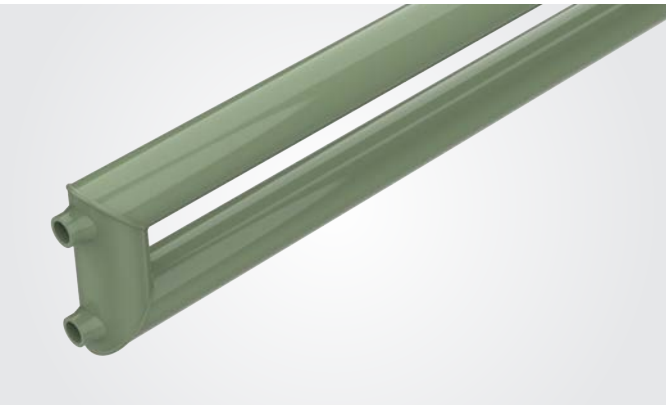
Stainless-steel Spiralix

The heat output of stainless-steel models is about 35 % lower than that of conventional steel units.



Galvanized zinc Spiralix

The heating output of galvanized zinc models is about 10 % lower than that of conventional steel units.



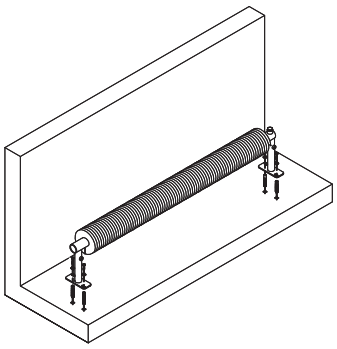
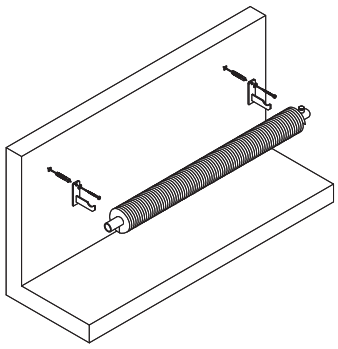
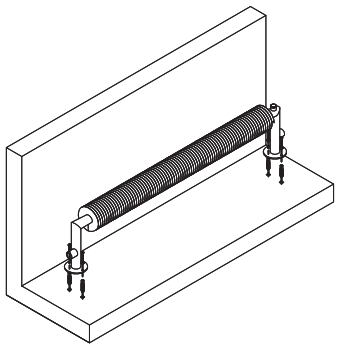
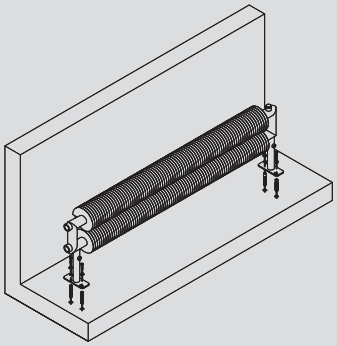
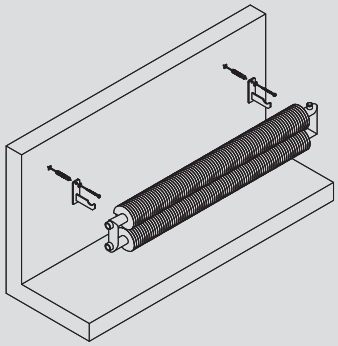
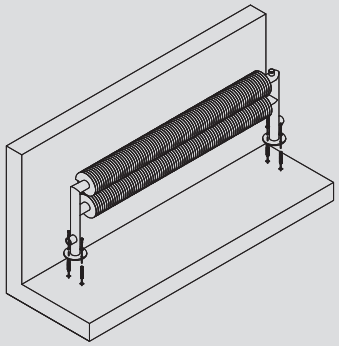
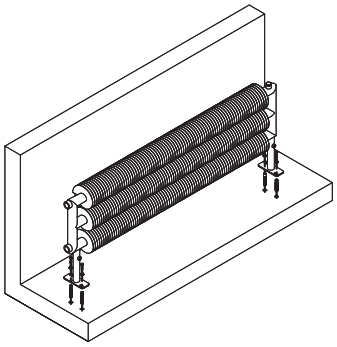
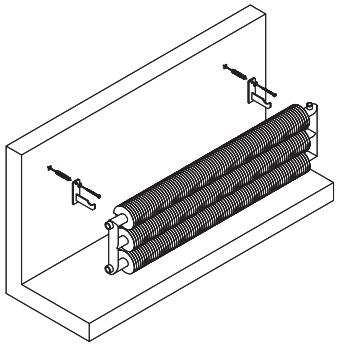
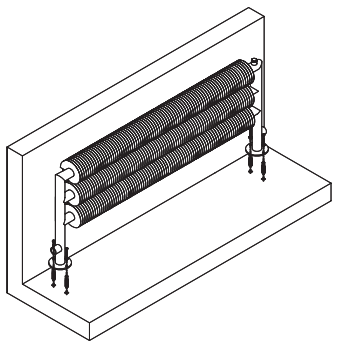
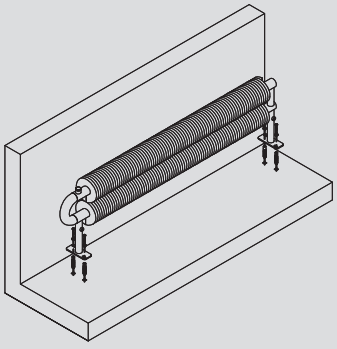
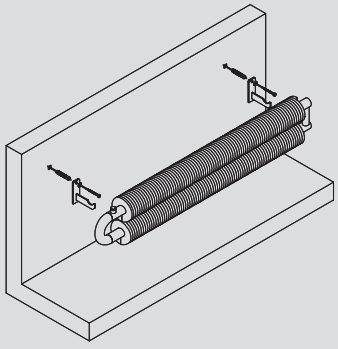
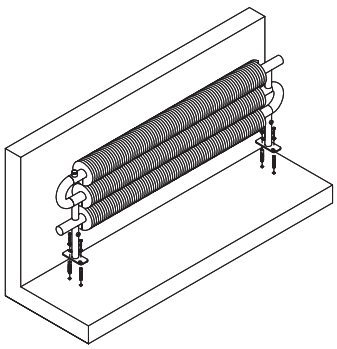
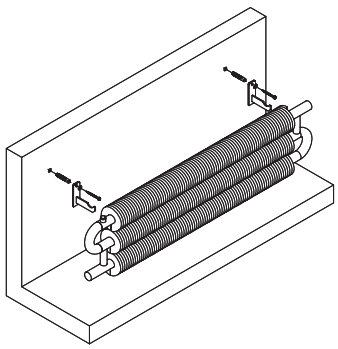
Spiralix without fins

The heating output of models without the ribbing is about 60-80 % lower than that of standard design units.

Ø 32	**-80 %**	Ø 57	**-75 %**
Ø 76	**-70 %**	Ø 89	**-65 %**
Ø 108	**-60 %**		

The output reduction of the **Spiralix** modification is multiplied when the designs are combined. E.g. the galvanized **Spiralix** Vertical output = the horizontal output x 0,7×0,9.

OVERVIEW OF THE TYPES OF Spiralix RADIATORS

	FLOOR-MOUNTED VERSION (F)	WALL-MOUNTED VERSION (W)	SELF-STANDING VERSION (S)
RA1			
RAT2			
RAT3			
RAO2			
RAO3			

VERTICAL DESIGN (V)

Spiralix radiators can also be installed vertically. On page 19 you will find possible variations.

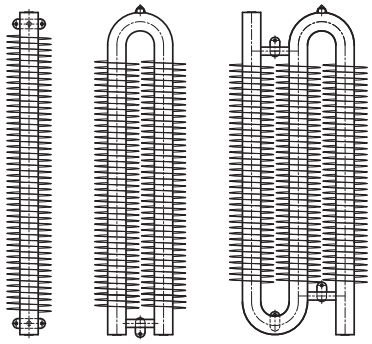


TABLE OF HEATING OUTPUTS

Note: Temperature exponent n=1,3

TYPE OF Spiralix RADIATORS on the floor • on the wall • self-standing		TEMPERATURE GRADIENT [°C]	LENGTH [mm] / OUTPUT Q [W]								
			500	1000	1500	2000	2500	3000	4000	5000	6000
RA1	∅ 32×2,0×∅ 92 mm	90/70/20	203	501	799	1058	1318	1578	2095	2628	3161
		75/65/20	160	395	630	835	1040	1245	1653	2073	2494
		70/55/20	130	320	510	676	842	1008	1338	1679	2019
		55/45/20	82	203	324	430	535	641	851	1067	1284
	∅57×2,5×∅137 mm	90/70/20	266	559	911	1240	1568	1919	2612	3292	3906
		75/65/20	210	441	719	978	1237	1514	2061	2597	3082
		70/55/20	170	357	582	792	1001	1226	1668	2102	2495
		55/45/20	108	227	370	503	637	779	1061	1337	1586
	∅76×2,5×∅156 mm	90/70/20	294	587	939	1260	1636	2046	2721	3366	3991
		75/65/20	232	463	741	994	1291	1614	2147	2656	3149
		70/55/20	188	375	600	805	1045	1307	1738	2150	2549
		55/45/20	119	238	381	512	665	831	1105	1367	1621
RAT2	∅ 32×2,0×∅ 92 mm	90/70/20	361	887	1420	1882	2345	2769	3725	4672	5618
		75/65/20	285	700	1120	1485	1850	2185	2939	3686	4433
		70/55/20	231	567	907	1202	1498	1769	2379	2984	3589
		55/45/20	147	360	577	764	952	1125	1513	1897	2282
	∅57×2,5×∅137 mm	90/70/20	385	965	1527	2178	2769	3377	4586	5775	6848
		75/65/20	304	761	1205	1718	2185	2664	3618	4556	5403
		70/55/20	246	616	976	1391	1769	2157	2929	3688	4374
		55/45/20	156	392	620	884	1125	1371	1862	2345	2781
	∅76×2,5×∅156 mm	90/70/20	403	1003	1589	2235	2840	3422	4626	5846	6960
		75/65/20	318	791	1254	1763	2241	2700	3650	4612	5491
		70/55/20	257	640	1015	1427	1814	2186	2955	3734	4445
		55/45/20	164	407	645	908	1154	1390	1879	2374	2826
RAT3	∅ 32×2,0×∅ 92 mm	90/70/20	539	1331	2129	2820	3511	4151	5581	7001	8420
		75/65/20	425	1050	1680	2225	2770	3275	4404	5523	6643
		70/55/20	344	850	1360	1801	2242	2651	3565	4471	5378
		55/45/20	219	540	865	1145	1426	1686	2267	2843	3419
	∅57×2,5×∅137 mm	90/70/20	584	1483	2382	3318	4171	5133	6990	8841	10449
		75/65/20	461	1170	1879	2618	3291	4050	5515	6975	8244
		70/55/20	373	947	1521	2119	2664	3279	4465	5647	6674
		55/45/20	237	602	967	1348	1694	2085	2839	3590	4244
	∅76×2,5×∅156 mm	90/70/20	607	1503	2399	3351	4265	5185	7066	9023	10567
		75/65/20	479	1186	1893	2644	3365	4091	5575	7119	8337
		70/55/20	388	960	1532	2140	2724	3312	4513	5763	6749
		55/45/20	247	610	974	1361	1732	2106	2870	3665	4291
RAO2	∅ 32×2,0×∅ 92 mm	90/70/20	361	887	1420	1882	2345	2769	3725	4672	5618
		75/65/20	285	700	1120	1485	1850	2185	2939	3686	4433
		70/55/20	231	567	907	1202	1498	1769	2379	2984	3589
		55/45/20	147	360	577	764	952	1125	1513	1897	2282
	∅57×2,5×∅137 mm	90/70/20	385	965	1527	2178	2769	3377	4586	5775	6848
		75/65/20	304	761	1205	1718	2185	2664	3618	4556	5403
		70/55/20	246	616	976	1391	1769	2157	2929	3688	4374
		55/45/20	156	392	620	884	1125	1371	1862	2345	2781
	∅76×2,5×∅156 mm	90/70/20	403	1003	1589	2235	2840	3422	4626	5846	6960
		75/65/20	318	791	1254	1763	2241	2700	3650	4612	5491
		70/55/20	257	640	1015	1427	1814	2186	2955	3734	4445
		55/45/20	164	407	645	908	1154	1390	1879	2374	2826
RAO3	∅ 32×2,0×∅ 92 mm	90/70/20	539	1331	2129	2820	3511	4151	5581	7001	8420
		75/65/20	425	1050	1680	2225	2770	3275	4404	5523	6643
		70/55/20	344	850	1360	1801	2242	2651	3565	4471	5378
		55/45/20	219	540	865	1145	1426	1686	2267	2843	3419
	∅57×2,5×∅137 mm	90/70/20	584	1483	2382	3318	4171	5133	6990	8841	10449
		75/65/20	461	1170	1879	2618	3291	4050	5515	6975	8244
		70/55/20	373	947	1521	2119	2664	3279	4465	5647	6674
		55/45/20	237	602	967	1348	1694	2085	2839	3590	4244
	∅76×2,5×∅156 mm	90/70/20	607	1503	2399	3351	4265	5185	7066	9023	10567
		75/65/20	479	1186	1893	2644	3365	4091	5575	7119	8337
		70/55/20	388	960	1532	2140	2724	3312	4513	5763	6749
		55/45/20	247	610	974	1361	1732	2106	2870	3665	4291

HEATING OUTPUT IN DESIGN **STAINLESS STEEL** -35 %
HOT-DIP GALVANIZED -10 %
VERTICAL -30 %

Spiralix RA1-F | FLOOR-MOUNTED VERSION

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RA1-F	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	192	32	92	10	A-100	50	25	–	–	–	–	≥60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	237	57	137	18	A-140	70	35	–	–	–	–	≥85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	256	76	156	20	A-140	70	35	–	–	–	–	≥95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]

HEATING OUTPUTS

RA1-F	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	203	501	799	1058	1318	1578	2095	2628	3161
	75/65/20 °C	160	395	630	835	1040	1245	1653	2073	2494
	70/55/20 °C	130	320	510	676	842	1008	1338	1679	2019
	55/45/20 °C	82	203	324	430	535	641	851	1067	1284
∅57×2,5×∅137 mm	90/70/20 °C	266	559	911	1240	1568	1919	2612	3292	3906
	75/65/20 °C	210	441	719	978	1237	1514	2061	2597	3082
	70/55/20 °C	170	357	582	792	1001	1226	1668	2102	2495
	55/45/20 °C	108	227	370	503	637	779	1061	1337	1586
∅76×2,5×∅156 mm	90/70/20 °C	294	587	939	1260	1636	2046	2721	3366	3991
	75/65/20 °C	232	463	741	994	1291	1614	2147	2656	3149
	70/55/20 °C	188	375	600	805	1045	1307	1738	2150	2549
	55/45/20 °C	119	238	381	512	665	831	1105	1367	1621

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RA1-F	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	2,3	5	7,8	10,5	13,2	15,9	18,6	21,3	24
	Volume [l]	0,3	0,7	1	1,3	1,6	1,9	2,5	3,1	3,7
∅57×2,5×∅137 mm	Weight [kg]	4,6	9,1	13,7	18,2	22,7	27,2	31,7	40,7	49,6
	Volume [l]	1,1	2,1	3,1	4,1	5,1	6,2	8,2	10,3	12,3
∅76×2,5×∅156 mm	Weight [kg]	5,4	10,7	16,1	21,5	26,9	32,3	37,7	46,7	56,9
	Volume [l]	2	3,9	5,8	7,7	9,7	11,6	15,4	19,3	23,1

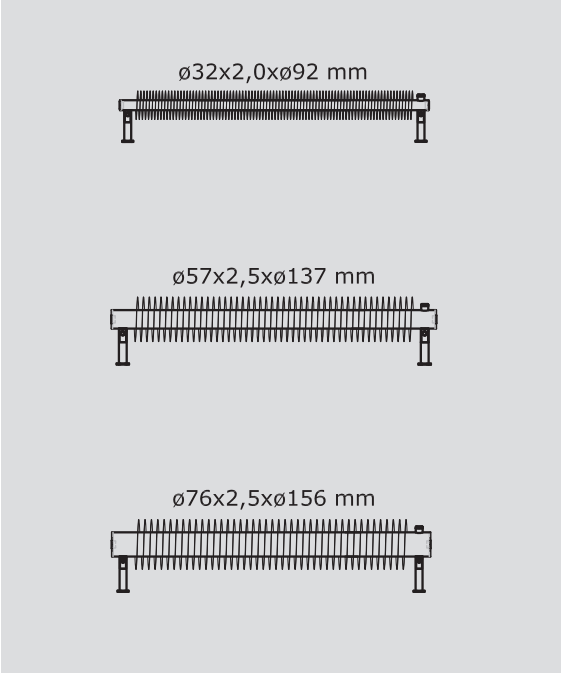
Note: Radiator weight without heating fluid

CODE EXAMPLE

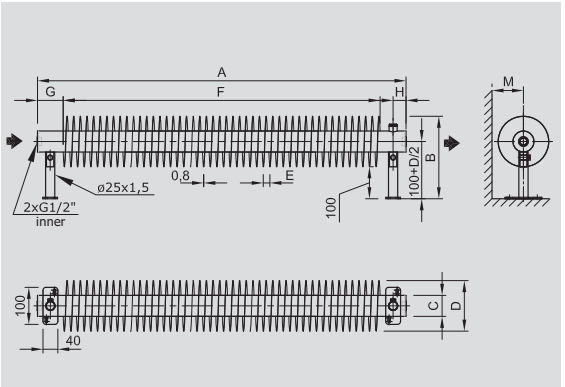
ZRA-1	57	137	100	F	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the floor	colour code

Ordering, see the page 56

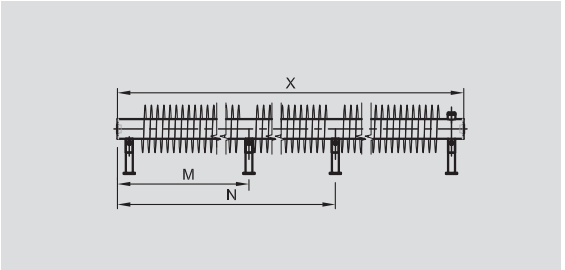
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RA1-F (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

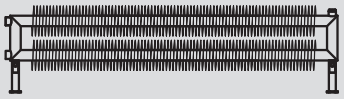
RA1-F (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

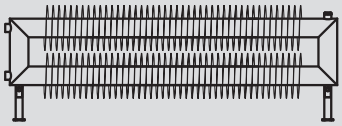
Spiralix RAT2-F | FLOOR-MOUNTED VERSION

BASIC TYPES

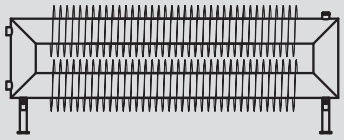
ø32x2,0xø92 mm



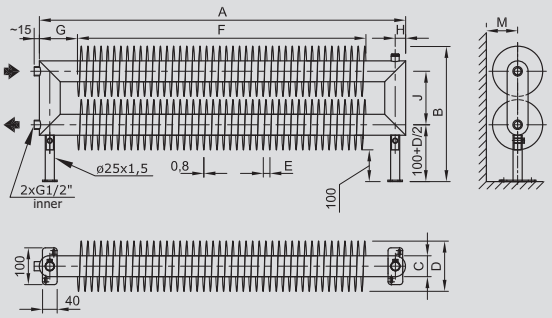
ø57x2,5xø137 mm



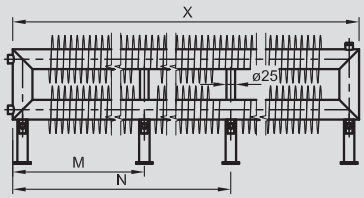
ø76x2,5xø156 mm



SKETCH



SUPPORTING ELEMENTS



RAT2-F (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RAT2-F (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAT2-F	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	297	32	92	10	A-130	65	16	–	103	–	–	≥60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	383	57	137	18	A-220	110	28	–	146	–	–	≥85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	422	76	156	20	A-240	120	38	–	166	–	–	≥95

Note: ∅ 32×2,0×∅92 [mm] – diameter of tube × thickness × diameter of winding [mm]

HEATING OUTPUTS

RAT2-F	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	361	887	1420	1882	2345	2769	3725	4672	5618
	75/65/20 °C	285	700	1120	1485	1850	2185	2939	3686	4433
	70/55/20 °C	231	567	907	1202	1498	1769	2379	2984	3589
	55/45/20 °C	147	360	577	764	952	1125	1513	1897	2282
∅57×2,5×∅137 mm	90/70/20 °C	385	965	1527	2178	2769	3377	4586	5775	6848
	75/65/20 °C	304	761	1205	1718	2185	2664	3618	4556	5403
	70/55/20 °C	246	616	976	1391	1769	2157	2929	3688	4374
	55/45/20 °C	156	392	620	884	1125	1371	1862	2345	2781
∅76×2,5×∅156 mm	90/70/20 °C	403	1003	1589	2235	2840	3422	4626	5846	6960
	75/65/20 °C	318	791	1254	1763	2241	2700	3650	4612	5491
	70/55/20 °C	257	640	1015	1427	1814	2186	2955	3734	4445
	55/45/20 °C	164	407	645	908	1154	1390	1879	2374	2826

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAT2-F	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	4,9	10,5	15,9	21,3	26,9	32,5	43,7	54,9	66,1
	Volume [l]	0,7	1,4	2	2,6	3,2	3,8	5,1	6,3	7,5
∅57×2,5×∅137 mm	Weight [kg]	9,5	19,8	29,2	40,3	50,0	59,8	80,3	100,9	121,2
	Volume [l]	2,4	4,5	6,5	8,6	10,6	12,7	16,7	20,8	24,9
∅76×2,5×∅156 mm	Weight [kg]	11,5	22,9	34,3	45,6	56,9	68,2	90,8	113,4	136
	Volume [l]	4,6	8,4	12,3	16,1	20	23,8	31,5	39,2	46,9

Note: Radiator weight without heating fluid

CODE EXAMPLE

ZRAT2	57	137	100	F	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the floor	colour code

Ordering, see the page 56

Spiralix RAT3-F | FLOOR-MOUNTED VERSION

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAT3-F	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	402	32	92	10	A-130	65	16	–	105	–	–	≥60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	529	57	137	18	A-220	110	28	–	146	–	–	≥85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	588	76	156	20	A-240	120	38	–	166	–	–	≥95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]

HEATING OUTPUTS

RAT3-F	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	539	1331	2129	2820	3511	4151	5581	7001	8420
	75/65/20 °C	425	1050	1680	2225	2770	3275	4404	5523	6643
	70/55/20 °C	344	850	1360	1801	2242	2651	3565	4471	5378
	55/45/20 °C	219	540	865	1145	1426	1686	2267	2843	3419
∅57×2,5×∅137 mm	90/70/20 °C	584	1483	2382	3318	4171	5133	6990	8841	10449
	75/65/20 °C	461	1170	1879	2618	3291	4050	5515	6975	8244
	70/55/20 °C	373	947	1521	2119	2664	3279	4465	5647	6674
	55/45/20 °C	237	602	967	1348	1694	2085	2839	3590	4244
∅76×2,5×∅156 mm	90/70/20 °C	607	1503	2399	3351	4265	5185	7066	9023	10567
	75/65/20 °C	479	1186	1893	2644	3365	4091	5575	7119	8337
	70/55/20 °C	388	960	1532	2140	2724	3312	4513	5763	6749
	55/45/20 °C	247	610	974	1361	1732	2106	2870	3665	4291

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAT3-F	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	7,2	15,5	23,7	31,8	39,9	48	65,8	83,6	101,4
	Volume [l]	1,1	2,1	3	3,9	4,8	5,8	7,6	9,5	11,3
∅57×2,5×∅137 mm	Weight [kg]	14,9	28,9	44,9	66,8	75,8	90,8	120,9	150,9	180,9
	Volume [l]	3,7	6,8	9,9	13	16	19,1	25,2	31,3	37,5
∅76×2,5×∅156 mm	Weight [kg]	19,2	36,9	53,5	70,5	87,6	104,8	135,8	170,7	205,5
	Volume [l]	7,2	13,0	18,8	24,5	30,3	36	47,6	59,2	70,7

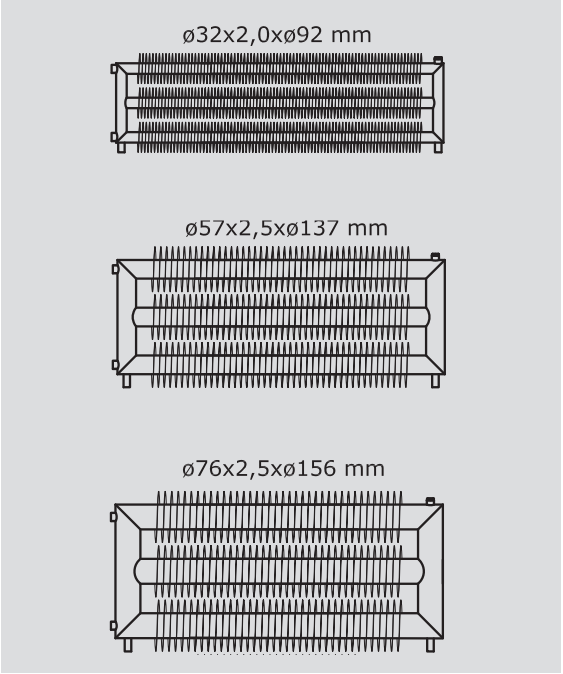
Note: Radiator weight without heating fluid

CODE EXAMPLE

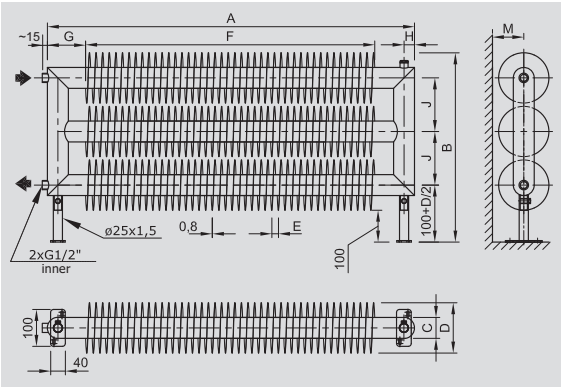
ZRAT3	57	137	100	F	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the floor	colour code

Ordering, see the page 56

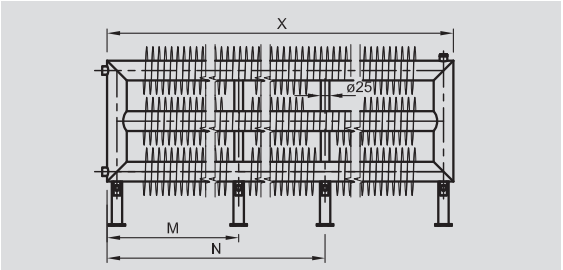
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RAT3-F (∅ 32 mm)

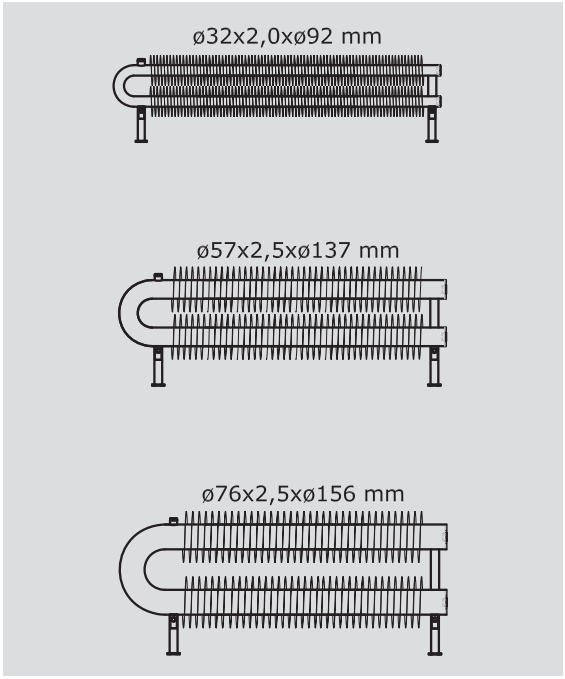
length of Spiralix X [mm]	M	N	Number of legs
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RAT3-F (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

Spiralix RAO2-F | FLOOR-MOUNTED VERSION

BASIC TYPES



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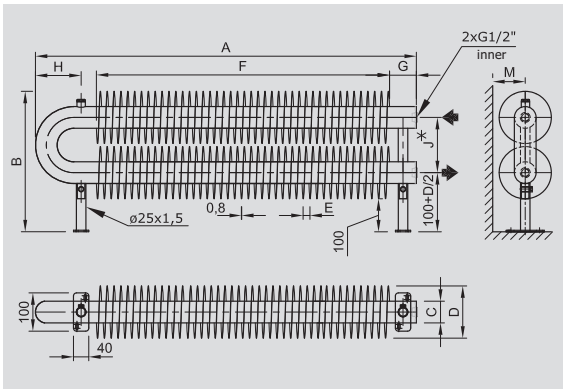
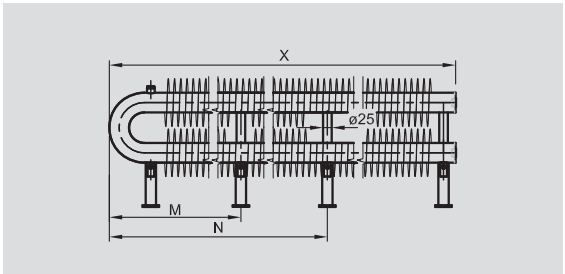


SUPPORTING ELEMENTS



RAO2-F (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RAO2-F (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAO2-F	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	287	32	92	10	A-160	50	85	–	95	–	–	≥60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	382	57	137	18	A-230	70	120	–	145 (175*)	–	–	≥85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	456	76	156	20	A-260	70	165	–	200 (195*)	–	–	≥95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]
* Dimensions valid for stainless steel design

HEATING OUTPUTS

RAO2-F	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	361	887	1420	1882	2345	2769	3725	4672	5618
	75/65/20 °C	285	700	1120	1485	1850	2185	2939	3686	4433
	70/55/20 °C	231	567	907	1202	1498	1769	2379	2984	3589
	55/45/20 °C	147	360	577	764	952	1125	1513	1897	2282
∅57×2,5×∅137 mm	90/70/20 °C	385	965	1527	2178	2769	3377	4586	5775	6848
	75/65/20 °C	304	761	1205	1718	2185	2664	3618	4556	5403
	70/55/20 °C	246	616	976	1391	1769	2157	2929	3688	4374
	55/45/20 °C	156	392	620	884	1125	1371	1862	2345	2781
∅76×2,5×∅156 mm	90/70/20 °C	403	1003	1589	2235	2840	3422	4626	5846	6960
	75/65/20 °C	318	791	1254	1763	2241	2700	3650	4612	5491
	70/55/20 °C	257	640	1015	1427	1814	2186	2955	3734	4445
	55/45/20 °C	164	407	645	908	1154	1390	1879	2374	2826

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAO2-F	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	4,7	10,2	15,6	21,1	27,2	32,8	44,1	55,2	66,3
	Volume [l]	0,6	1,3	1,9	2,5	3,1	3,71	4,9	6,2	7,4
∅57×2,5×∅137 mm	Weight [kg]	9,2	19,5	29,7	40,0	49,7	59,5	80,0	100,5	120,9
	Volume [l]	2,1	4,1	6,2	8,2	10,3	12,3	16,4	20,5	24,6
∅76×2,5×∅156 mm	Weight [kg]	11,3	22,6	33,8	45	56,4	67,9	88,5	113,4	135
	Volume [l]	4	7,8	11,7	15,5	19,4	23,2	30,9	38,6	46,3

Note: Radiator weight without heating fluid

CODE EXAMPLE

ZRAO2	57	137	100	F	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the floor	colour code

Ordering, see the page 56

Spiralix RAO3-F | FLOOR-MOUNTED VERSION

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAO3-F	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	382	32	92	10	A-220	110	85	–	95	–	–	≥60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	527	57	137	18	A-300	150	120	–	145 (175*)	–	–	≥85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	656	76	156	20	A-380	190	165	–	200 (195*)	–	–	≥95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]
* Dimensions valid for stainless steel design

HEATING OUTPUTS

RAO3-F	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	539	1331	2129	2820	3511	4151	5581	7001	8420
	75/65/20 °C	425	1050	1680	2225	2770	3275	4404	5523	6643
	70/55/20 °C	344	850	1360	1801	2242	2651	3565	4471	5378
	55/45/20 °C	219	540	865	1145	1426	1686	2267	2843	3419
∅57×2,5×∅137 mm	90/70/20 °C	584	1483	2382	3318	4171	5133	6990	8841	10449
	75/65/20 °C	461	1170	1879	2618	3291	4050	5515	6975	8244
	70/55/20 °C	373	947	1521	2119	2664	3279	4465	5647	6674
	55/45/20 °C	237	602	967	1348	1694	2085	2839	3590	4244
∅76×2,5×∅156 mm	90/70/20 °C	607	1503	2399	3351	4265	5185	7066	9023	10567
	75/65/20 °C	479	1186	1893	2644	3365	4091	5575	7119	8337
	70/55/20 °C	388	960	1532	2140	2724	3312	4513	5763	6749
	55/45/20 °C	247	610	974	1361	1732	2106	2870	3665	4291

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAO3-F	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	7	15,2	23,4	31,5	39,6	47,7	65,5	83,3	101,1
	Volume [l]	1,0	1,9	2,8	3,8	4,7	5,6	7,5	9,3	11,2
∅57×2,5×∅137 mm	Weight [kg]	14,0	28,0	44,0	60,0	75,0	90,0	120,0	150,0	180,0
	Volume [l]	3,4	6,4	9,5	12,6	15,6	18,7	24,8	31,0	37,1
∅76×2,5×∅156 mm	Weight [kg]	17,1	32,6	49,6	66,5	83,3	100,1	130,0	167	197,6
	Volume [l]	6,6	12,4	18,1	23,9	29,7	35,5	47,0	58,6	70,1

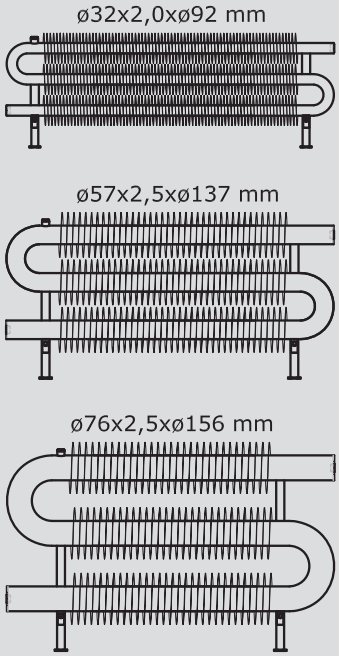
Note: Radiator weight without heating fluid

CODE EXAMPLE

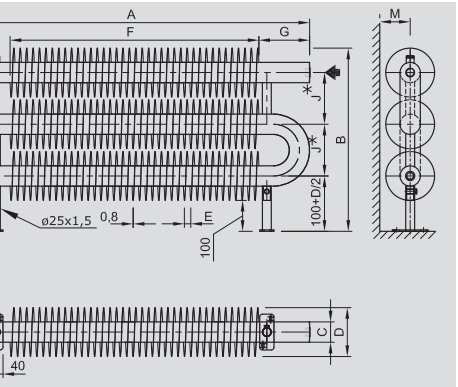
ZRAO3	57	137	100	F	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the floor	colour code

Ordering, see the page 56

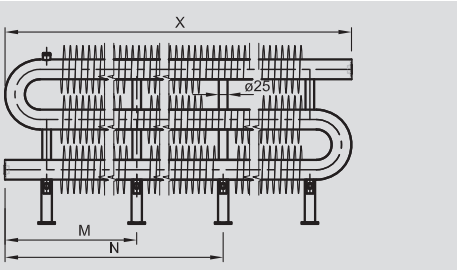
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RAO3-F (∅ 32 mm)

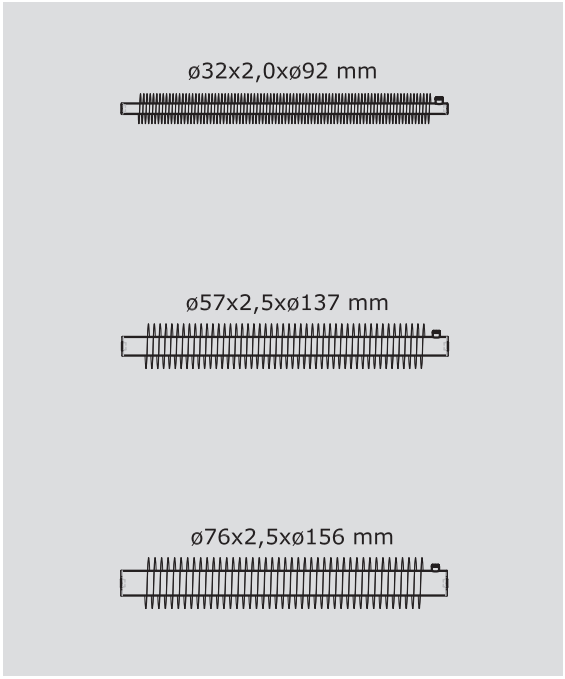
length of Spiralix X [mm]	M	N	Number of legs
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RAO3-F (∅ 57 mm a ∅ 76 mm)

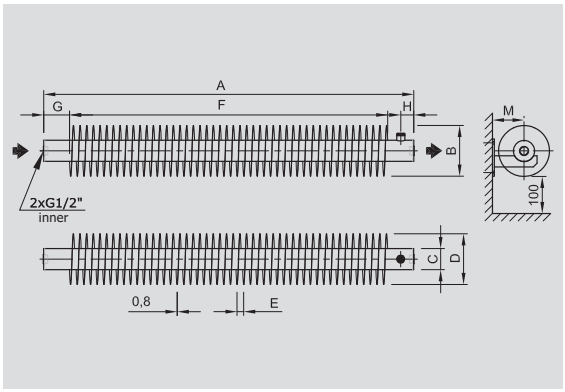
length of Spiralix X [mm]	M	N	Number of legs
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

Spiralix RA1-W | WALL-MOUNTED VERSION

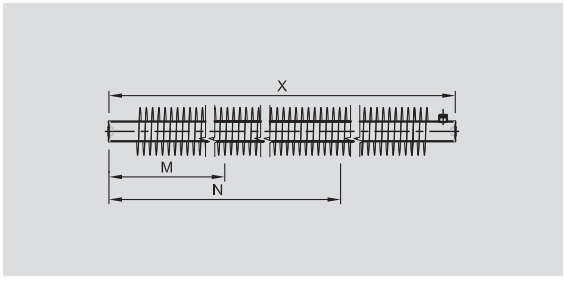
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RA1-W (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RA1-W (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RA1-W	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	D	32	92	10	A-100	50	25	–	–	–	–	60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	D	57	137	18	A-140	70	35	–	–	–	–	85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	D	76	156	20	A-140	70	35	–	–	–	–	95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]

HEATING OUTPUTS

RA1-W	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	203	501	799	1058	1318	1578	2095	2628	3161
	75/65/20 °C	160	395	630	835	1040	1245	1653	2073	2494
	70/55/20 °C	130	320	510	676	842	1008	1338	1679	2019
	55/45/20 °C	82	203	324	430	535	641	851	1067	1284
∅57×2,5×∅137 mm	90/70/20 °C	266	559	911	1240	1568	1919	2612	3292	3906
	75/65/20 °C	210	441	719	978	1237	1514	2061	2597	3082
	70/55/20 °C	170	357	582	792	1001	1226	1668	2102	2495
	55/45/20 °C	108	227	370	503	637	779	1061	1337	1586
∅76×2,5×∅156 mm	90/70/20 °C	294	587	939	1260	1636	2046	2721	3366	3991
	75/65/20 °C	232	463	741	994	1291	1614	2147	2656	3149
	70/55/20 °C	188	375	600	805	1045	1307	1738	2150	2549
	55/45/20 °C	119	238	381	512	665	831	1105	1367	1621

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RA1-W	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	2,3	5	7,8	10,5	13,2	15,9	18,6	21,3	24
	Volume [l]	0,3	0,7	1	1,3	1,6	1,9	2,5	3,1	3,7
∅57×2,5×∅137 mm	Weight [kg]	4,6	9,1	13,7	18,2	22,7	27,2	31,7	40,7	49,6
	Volume [l]	1,1	2,1	3,1	4,1	5,1	6,2	8,2	10,3	12,3
∅76×2,5×∅156 mm	Weight [kg]	5,4	10,7	16,1	21,5	26,9	32,3	37,7	46,7	56,9
	Volume [l]	2	3,9	5,8	7,7	9,7	11,6	15,4	19,3	23,1

Note: Radiator weight without heating fluid

CODE EXAMPLE

ZRA-1	57	137	100	W	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the wall	colour code

Ordering, see the page 56

Spiralix RAT2-W | WALL-MOUNTED VERSION

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAT2-W	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	197	32	92	10	A-130	65	16	–	105	–	–	60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	283	57	137	18	A-220	110	28	–	146	–	–	85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	322	76	156	20	A-240	120	38	–	166	–	–	95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]

HEATING OUTPUTS

RAT2-W	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	361	887	1420	1882	2345	2769	3725	4672	5618
	75/65/20 °C	285	700	1120	1485	1850	2185	2939	3686	4433
	70/55/20 °C	231	567	907	1202	1498	1769	2379	2984	3589
	55/45/20 °C	147	360	577	764	952	1125	1513	1897	2282
∅57×2,5×∅137 mm	90/70/20 °C	385	965	1527	2178	2769	3377	4586	5775	6848
	75/65/20 °C	304	761	1205	1718	2185	2664	3618	4556	5403
	70/55/20 °C	246	616	976	1391	1769	2157	2929	3688	4374
	55/45/20 °C	156	392	620	884	1125	1371	1862	2345	2781
∅76×2,5×∅156 mm	90/70/20 °C	403	1003	1589	2235	2840	3422	4626	5846	6960
	75/65/20 °C	318	791	1254	1763	2241	2700	3650	4612	5491
	70/55/20 °C	257	640	1015	1427	1814	2186	2955	3734	4445
	55/45/20 °C	164	407	645	908	1154	1390	1879	2374	2826

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAT2-W	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	4,9	10,5	15,9	21,3	26,9	32,5	43,7	54,9	66,1
	Volume [l]	0,7	1,4	2	2,6	3,2	3,8	5,1	6,3	7,5
∅57×2,5×∅137 mm	Weight [kg]	9,5	19,8	29,2	40,3	50,0	59,8	80,3	100,9	121,2
	Volume [l]	2,4	4,5	6,5	8,6	10,6	12,7	16,7	20,8	24,9
∅76×2,5×∅156 mm	Weight [kg]	11,5	22,9	34,3	45,6	56,9	68,2	90,8	113,4	136
	Volume [l]	4,6	8,4	12,3	16,1	20	23,8	31,5	39,2	46,9

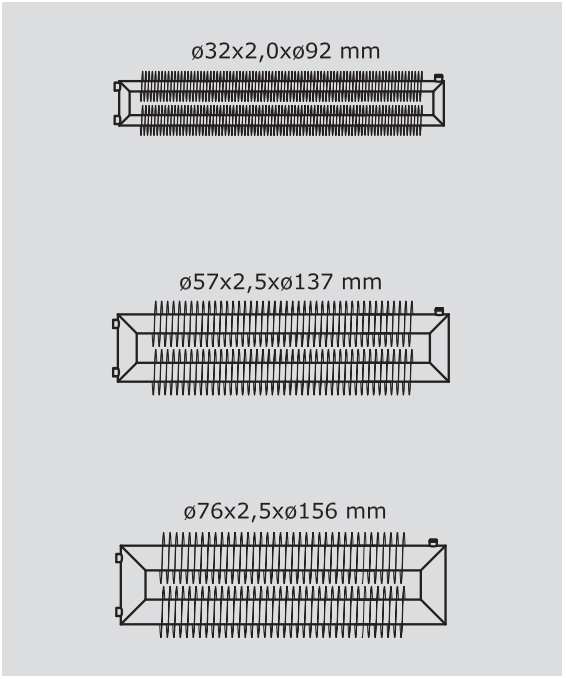
Note: Radiator weight without heating fluid

CODE EXAMPLE

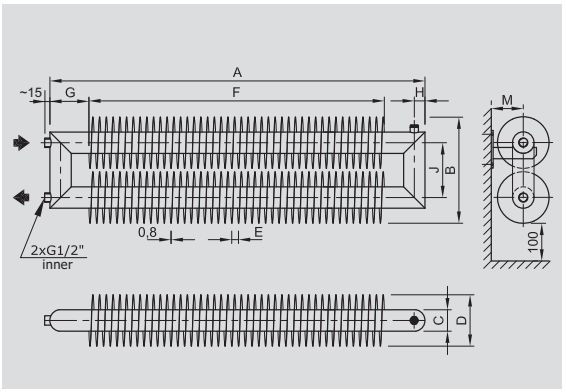
ZRAT2	57	137	100	W	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the wall	colour code

Ordering, see the page 56

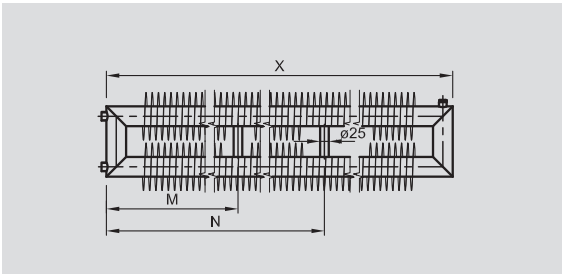
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RAT2-W (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

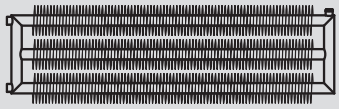
RAT2-W (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

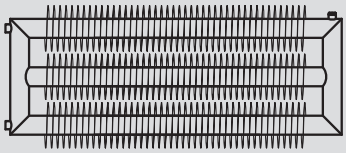
Spiralix RAT3-W | WALL-MOUNTED VERSION

BASIC TYPES

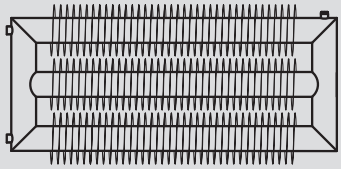
ø32x2,0xø92 mm



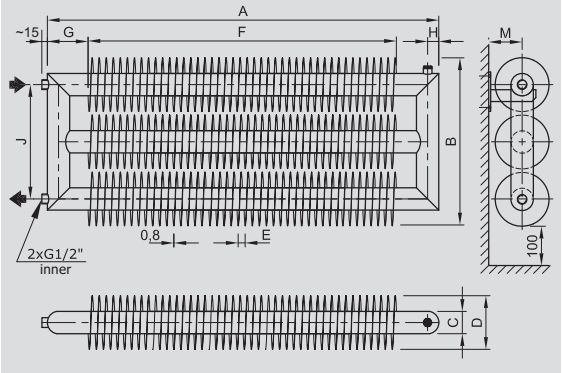
ø57x2,5xø137 mm



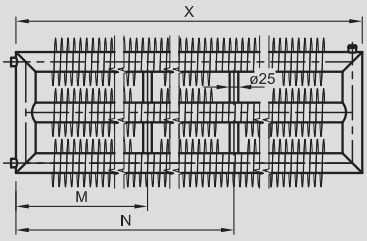
ø76x2,5xø156 mm



SKETCH



SUPPORTING ELEMENTS



RAT3-W (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RAT3-W (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAT3-W	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	302	32	92	10	A-130	65	16	–	208	–	–	60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	429	57	137	18	A-220	110	28	–	292	–	–	85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	488	76	156	20	A-240	120	38	–	332	–	–	95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]

HEATING OUTPUTS

RAT3-W	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	539	1331	2129	2820	3511	4151	5581	7001	8420
	75/65/20 °C	425	1050	1680	2225	2770	3275	4404	5523	6643
	70/55/20 °C	344	850	1360	1801	2242	2651	3565	4471	5378
	55/45/20 °C	219	540	865	1145	1426	1686	2267	2843	3419
∅57×2,5×∅137 mm	90/70/20 °C	584	1483	2382	3318	4171	5133	6990	8841	10449
	75/65/20 °C	461	1170	1879	2618	3291	4050	5515	6975	8244
	70/55/20 °C	373	947	1521	2119	2664	3279	4465	5647	6674
	55/45/20 °C	237	602	967	1348	1694	2085	2839	3590	4244
∅76×2,5×∅156 mm	90/70/20 °C	607	1503	2399	3351	4265	5185	7066	9023	10567
	75/65/20 °C	479	1186	1893	2644	3365	4091	5575	7119	8337
	70/55/20 °C	388	960	1532	2140	2724	3312	4513	5763	6749
	55/45/20 °C	247	610	974	1361	1732	2106	2870	3665	4291

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAT3-W	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	7,2	15,5	23,7	31,8	39,9	48	65,8	83,6	101,4
	Volume [l]	1,1	2,1	3	3,9	4,8	5,8	7,6	9,5	11,3
∅57×2,5×∅137 mm	Weight [kg]	14,9	28,9	44,9	66,8	75,8	90,8	120,9	150,9	180,9
	Volume [l]	3,7	6,8	9,9	13	16	19,1	25,2	31,3	37,5
∅76×2,5×∅156 mm	Weight [kg]	19,2	36,9	53,5	70,5	87,6	104,8	135,8	170,7	205,5
	Volume [l]	7,2	13,0	18,8	24,5	30,3	36	47,6	59,2	70,7

Note: Radiator weight without heating fluid

CODE EXAMPLE

ZRAT3	57	137	100	W	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the wall	colour code

Ordering, see the page 56

Spiralix RAO2-W | WALL-MOUNTED VERSION

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAO2-W	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	187	32	92	10	A-160	50	85	–	95	–	–	60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	282	57	137	18	A-230	70	120	–	145 (175*)	–	–	85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	356	76	156	20	A-260	70	165	–	200 (195*)	–	–	95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]
* Dimensions valid for stainless steel design

HEATING OUTPUTS

RAO2-W	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	361	887	1420	1882	2345	2769	3725	4672	5618
	75/65/20 °C	285	700	1120	1485	1850	2185	2939	3686	4433
	70/55/20 °C	231	567	907	1202	1498	1769	2379	2984	3589
	55/45/20 °C	147	360	577	764	952	1125	1513	1897	2282
∅57×2,5×∅137 mm	90/70/20 °C	385	965	1527	2178	2769	3377	4586	5775	6848
	75/65/20 °C	304	761	1205	1718	2185	2664	3618	4556	5403
	70/55/20 °C	246	616	976	1391	1769	2157	2929	3688	4374
	55/45/20 °C	156	392	620	884	1125	1371	1862	2345	2781
∅76×2,5×∅156 mm	90/70/20 °C	403	1003	1589	2235	2840	3422	4626	5846	6960
	75/65/20 °C	318	791	1254	1763	2241	2700	3650	4612	5491
	70/55/20 °C	257	640	1015	1427	1814	2186	2955	3734	4445
	55/45/20 °C	164	407	645	908	1154	1390	1879	2374	2826

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAO2-W	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	4,7	10,2	15,6	21,1	27,2	32,8	44,1	55,2	66,3
	Volume [l]	0,63	1,25	1,86	2,5	3,1	3,71	4,9	6,2	7,4
∅57×2,5×∅137 mm	Weight [kg]	9,2	19,5	29,7	40,0	49,7	59,5	80,0	100,5	120,9
	Volume [l]	2,1	4,1	6,2	8,2	10,3	12,3	16,4	20,5	24,6
∅76×2,5×∅156 mm	Weight [kg]	11,3	22,6	33,8	45	56,4	67,9	88,5	113,4	135
	Volume [l]	4	7,8	11,7	15,5	19,4	23,2	30,9	38,6	46,3

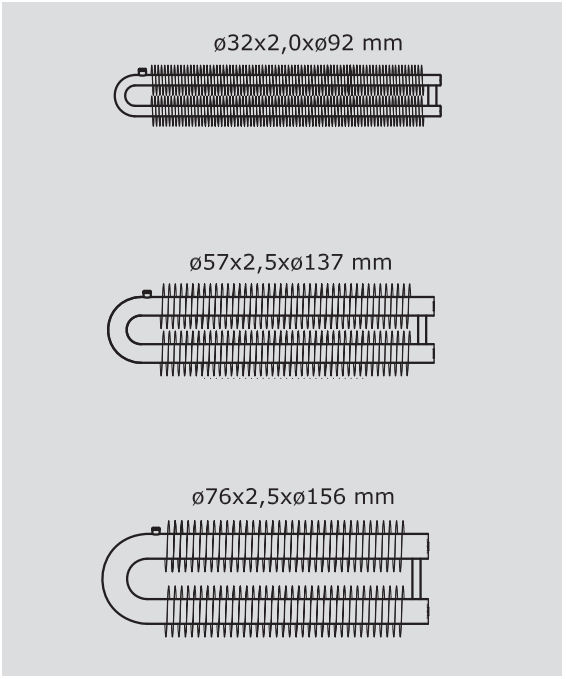
Note: Radiator weight without heating fluid

CODE EXAMPLE

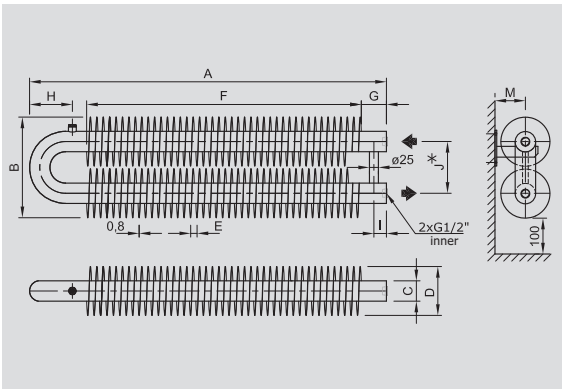
ZRAO2	57	137	100	W	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the wall	colour code

Ordering, see the page 56

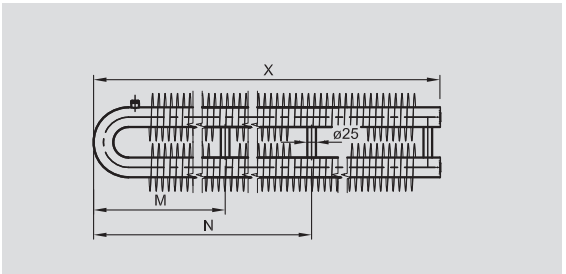
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RAO2-W (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

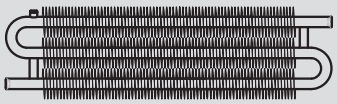
RAO2-W (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

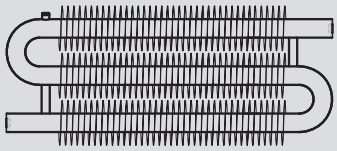
Spiralix RAO3-W | WALL-MOUNTED VERSION

BASIC TYPES

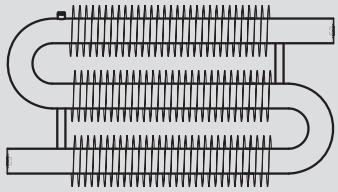
ø32x2,0xø92 mm



ø57x2,5xø137 mm



ø76x2,5xø156 mm



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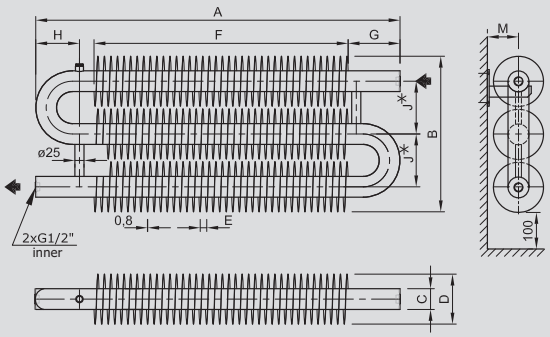
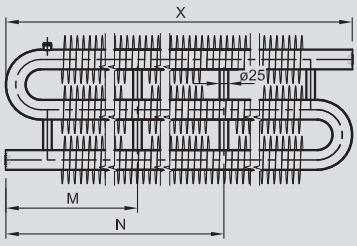


SUPPORTING ELEMENTS



RAO3-W (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RAO3-W (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of consoles
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAO3-W	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	282	32	92	10	A-220	110	85	–	95	–	–	60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	427	57	137	18	A-300	150	120	–	145 (175*)	–	–	85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	556	76	156	20	A-380	190	165	–	200 (195*)	–	–	95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]
* Dimensions valid for stainless steel design

HEATING OUTPUTS

RAO3-W	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	539	1331	2129	2820	3511	4151	5581	7001	8420
	75/65/20 °C	425	1050	1680	2225	2770	3275	4404	5523	6643
	70/55/20 °C	344	850	1360	1801	2242	2651	3565	4471	5378
	55/45/20 °C	219	540	865	1145	1426	1686	2267	2843	3419
∅57×2,5×∅137 mm	90/70/20 °C	584	1483	2382	3318	4171	5133	6990	8841	10449
	75/65/20 °C	461	1170	1879	2618	3291	4050	5515	6975	8244
	70/55/20 °C	373	947	1521	2119	2664	3279	4465	5647	6674
	55/45/20 °C	237	602	967	1348	1694	2085	2839	3590	4244
∅76×2,5×∅156 mm	90/70/20 °C	607	1503	2399	3351	4265	5185	7066	9023	10567
	75/65/20 °C	479	1186	1893	2644	3365	4091	5575	7119	8337
	70/55/20 °C	388	960	1532	2140	2724	3312	4513	5763	6749
	55/45/20 °C	247	610	974	1361	1732	2106	2870	3665	4291

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAO3-W	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	7	15,2	23,4	31,5	39,6	47,7	65,5	83,3	101,1
	Volume [l]	1,0	1,9	2,8	3,8	4,7	5,6	7,5	9,3	11,2
∅57×2,5×∅137 mm	Weight [kg]	14,0	28,0	44,0	60,0	75,0	90,0	120,0	150,0	180,0
	Volume [l]	3,4	6,4	9,5	12,6	15,6	18,7	24,8	31,0	37,1
∅76×2,5×∅156 mm	Weight [kg]	17,1	32,6	49,6	66,5	83,8	100,1	130,0	167	197,6
	Volume [l]	6,6	12,4	18,1	23,9	29,7	35,5	47,0	58,6	70,1

Note: Radiator weight without heating fluid

CODE EXAMPLE

ZRAO3	57	137	100	W	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the wall	colour code

Ordering, see the page 56

Spiralix RA1-S | SELF-STANDING VERSION

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RA1 - S	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	192	32	92	10	A-130	65	16	146	–	76	56	≥60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	237	57	137	18	A-220	110	28	169	–	130	110	≥85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	256	76	156	20	A-240	120	38	178	–	130	110	≥95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]

HEATING OUTPUTS

RA1-S	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	203	501	799	1058	1318	1578	2095	2628	3161
	75/65/20 °C	160	395	630	835	1040	1245	1653	2073	2494
	70/55/20 °C	130	320	510	676	842	1008	1338	1679	2019
	55/45/20 °C	82	203	324	430	535	641	851	1067	1284
∅57×2,5×∅137 mm	90/70/20 °C	266	559	911	1240	1568	1919	2612	3292	3906
	75/65/20 °C	210	441	719	978	1237	1514	2061	2597	3082
	70/55/20 °C	170	357	582	792	1001	1226	1668	2102	2495
	55/45/20 °C	108	227	370	503	637	779	1061	1337	1586
∅76×2,5×∅156 mm	90/70/20 °C	294	587	939	1260	1636	2046	2721	3366	3991
	75/65/20 °C	232	463	741	994	1291	1614	2147	2656	3149
	70/55/20 °C	188	375	600	805	1045	1307	1738	2150	2549
	55/45/20 °C	119	238	381	512	665	831	1105	1367	1621

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RA1-S	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	2,4	5,1	7,9	10,6	13,3	16	18,7	21,4	24,1
	Volume [l]	0,5	0,8	1,1	1,5	1,8	2,1	2,7	3,3	3,9
∅57×2,5×∅137 mm	Weight [kg]	4,8	9,3	13,9	18,4	22,9	27,4	31,9	40,9	49,8
	Volume [l]	1,7	2,7	3,7	4,7	5,8	6,8	8,8	10,9	12,9
∅76×2,5×∅156 mm	Weight [kg]	5,6	10,9	16,3	21,7	27,1	32,5	37,9	46,9	57,1
	Volume [l]	3,1	5,0	7	8,9	10,8	12,7	16,6	20,4	24,3

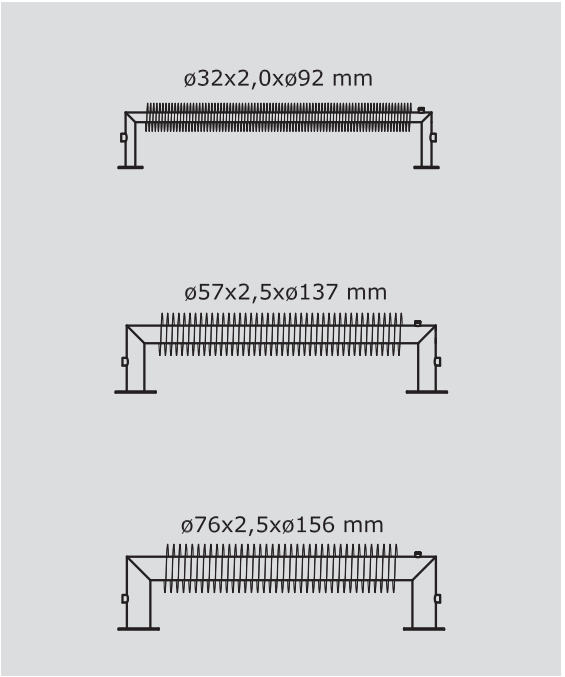
Note: Radiator weight without heating fluid

CODE EXAMPLE

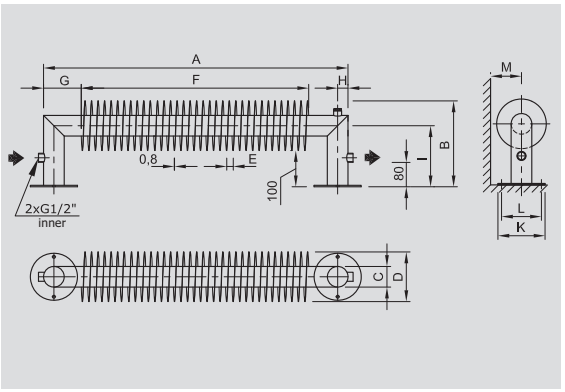
ZRA-1	57	137	100	S	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	self-standing	colour code

Ordering, see the page 56

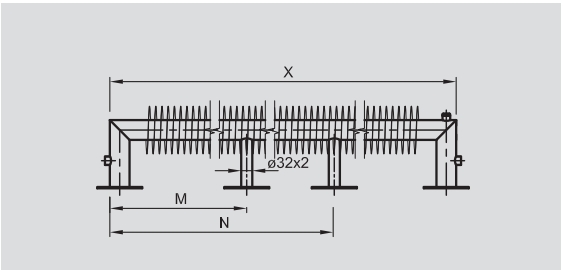
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RA1-S (∅ 32 mm)

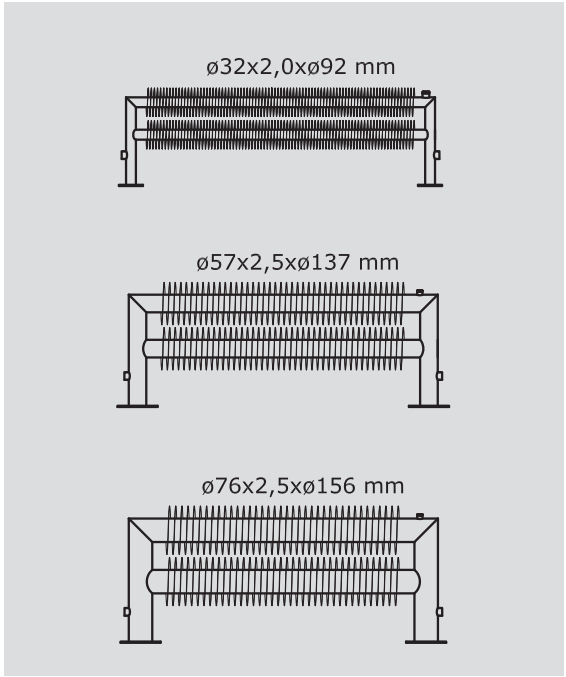
length of Spiralix X [mm]	M	N	Number of legs
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RA1-S (∅ 57 mm a ∅ 76 mm)

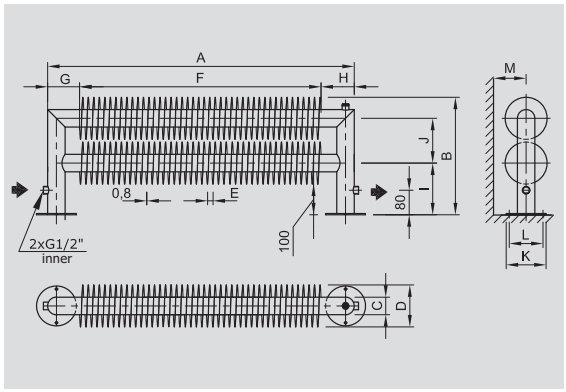
length of Spiralix X [mm]	M	N	Number of legs
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

Spiralix RAT2-S | SELF-STANDING VERSION

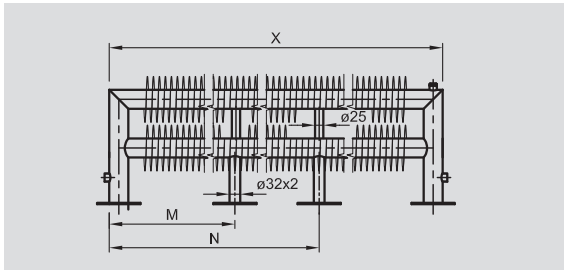
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RAT2-S (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RAT2-S (∅ 57 mm a ∅ 76 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating over-pressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAT2 - S	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	297	32	92	10	A-130	65	16	146	105	76	56	≥60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	383	57	137	18	A-220	110	28	169	146	130	110	≥85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	422	76	156	20	A-240	120	38	178	166	130	110	≥95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]

HEATING OUTPUTS

RAT2-S	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	361	887	1420	1882	2345	2769	3725	4672	5618
	75/65/20 °C	285	700	1120	1485	1850	2185	2939	3686	4433
	70/55/20 °C	231	567	907	1202	1498	1769	2379	2984	3589
	55/45/20 °C	147	360	577	764	952	1125	1513	1897	2282
∅57×2,5×∅137 mm	90/70/20 °C	385	965	1527	2178	2769	3377	4586	5775	6848
	75/65/20 °C	304	761	1205	1718	2185	2664	3618	4556	5403
	70/55/20 °C	246	616	976	1391	1769	2157	2929	3688	4374
	55/45/20 °C	156	392	620	884	1125	1371	1862	2345	2781
∅76×2,5×∅156 mm	90/70/20 °C	403	1003	1589	2235	2840	3422	4626	5846	6960
	75/65/20 °C	318	791	1254	1763	2241	2700	3650	4612	5491
	70/55/20 °C	257	640	1015	1427	1814	2186	2955	3734	4445
	55/45/20 °C	164	407	645	908	1154	1390	1879	2374	2826

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAT2-S	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	5	10,6	16	21,4	27,0	32,6	43,8	55	66,2
	Volume [l]	0,9	1,5	2,1	2,8	3,4	4	5,2	6,5	7,7
∅57×2,5×∅137 mm	Weight [kg]	9,7	20,0	30,1	40,5	50,2	60,0	80,5	101,1	121,4
	Volume [l]	3	5,1	7,1	9,1	11,2	13,2	17,3	21,4	25,5
∅76×2,5×∅156 mm	Weight [kg]	11,7	23,1	34,5	45,8	57,1	68,4	91,0	113,6	136,2
	Volume [l]	5,9	9,8	13,6	17,5	21,3	25,2	32,9	40,6	48,3

Note: Radiator weight without heating fluid

CODE EXAMPLE

ZRAT2	57	137	100	S	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	self-standing	colour code

Ordering, see the page 56

Spiralix RAT3-S | SELF-STANDING VERSION

TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" ∅ 32 × 2,0 × ∅ 92 mm, lead of Spiralix 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of Spiralix 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of Spiralix 20 mm width of steel fins 0,8mm
	Stainless steel, Hot-dip galvanized:	per order, see page 21
Connection threads	inner G1/2"	
Lenghts	500 mm–6 000 mm (with step of 100 mm)	
Operating conditions	Hot water system:	forced circulation
	Max. operating temperature:	120 °C
	Operating overpressure:	1,0 MPa
	Test overpressure:	1,3 MPa
	The radiator is designed for ambient temperature from 2 to 40 °C and relative humidity from 20 to 70 °C.	
Colour	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
Atypical design options	Connection threads G3/4", G3/8", G1"	
	Lead of Spiralix from 10–30 mm (12–30 mm) with step 2 mm	
	Loose ends can also be used for gravity circulation. Everything based on the customer's approved technical documentation.	

TABLE OF DIMENSIONS

RAT3 - S	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
∅ 32 × 2,0 × ∅ 92 mm	500–6000	396	32	92	10	A-130	65	16	146	105	76	56	≥60
∅ 57 × 2,5 × ∅ 137 mm	500–6000	529	57	137	18	A-220	110	28	169	146	130	110	≥85
∅ 76 × 2,5 × ∅ 156 mm	500–6000	588	76	156	20	A-240	120	38	178	166	130	110	≥95

Note: ∅ 32 × 2,0 × ∅ 92 [mm] – diameter of tube × thickness × diameter of winding [mm]

HEATING OUTPUTS

RAT3-S	TEMPERATURE GRADIENT	LENGTH [mm] / OUTPUT Q [W]								
		500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	90/70/20 °C	539	1331	2129	2820	3511	4151	5581	7001	8420
	75/65/20 °C	425	1050	1680	2225	2770	3275	4404	5523	6643
	70/55/20 °C	344	850	1360	1801	2242	2651	3565	4471	5378
	55/45/20 °C	219	540	865	1145	1426	1686	2267	2843	3419
∅57×2,5×∅137 mm	90/70/20 °C	584	1483	2382	3318	4171	5133	6990	8841	10449
	75/65/20 °C	461	1170	1879	2618	3291	4050	5515	6975	8244
	70/55/20 °C	373	947	1521	2119	2664	3279	4465	5647	6674
	55/45/20 °C	237	602	967	1348	1694	2085	2839	3590	4244
∅76×2,5×∅156 mm	90/70/20 °C	607	1503	2399	3351	4265	5185	7066	9023	10567
	75/65/20 °C	479	1186	1893	2644	3365	4091	5575	7119	8337
	70/55/20 °C	388	960	1532	2140	2724	3312	4513	5763	6749
	55/45/20 °C	247	610	974	1361	1732	2106	2870	3665	4291

Note: Temperature exponent n=1,3
Hot-dip galvanized surface treatment reduces heating output by ~10 %, stainless steel by ~35 %.

VOLUME OF WATER AND WEIGHT

RAT3-S	Length X [mm]	500	1000	1500	2000	2500	3000	4000	5000	6000
∅ 32×2,0×∅ 92 mm	Weight [kg]	7,3	15,6	23,8	31,9	40,0	48,1	65,9	83,7	101,5
	Volume [l]	1,3	2,2	3,2	4,0	5,0	5,9	7,8	9,6	11,5
∅57×2,5×∅137 mm	Weight [kg]	15,0	29,0	45,0	67,0	76,0	91,0	121,0	151,0	181,0
	Volume [l]	4,3	7,4	10,5	13,5	16,6	19,7	25,8	31,9	38,0
∅76×2,5×∅156 mm	Weight [kg]	19,4	36,8	53,7	70,7	87,8	105,0	136,0	170,9	205,7
	Volume [l]	8,3	14,0	19,8	25,6	31,4	37,2	48,7	60,3	71,8

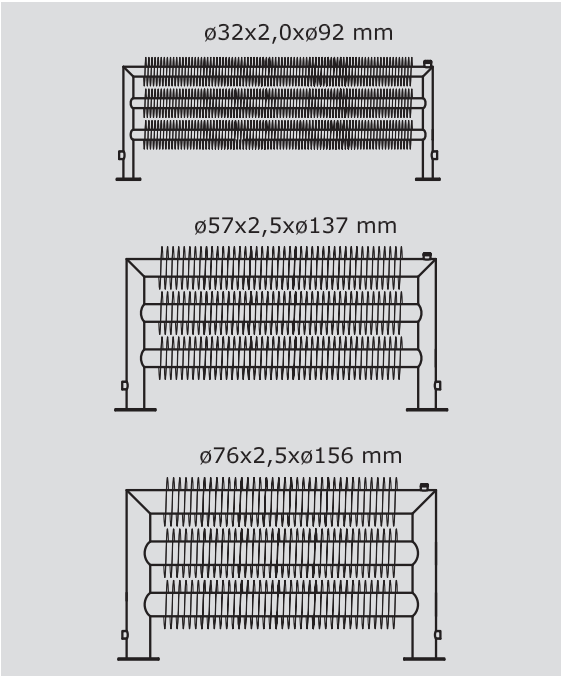
Note: Radiator weight without heating fluid

CODE EXAMPLE

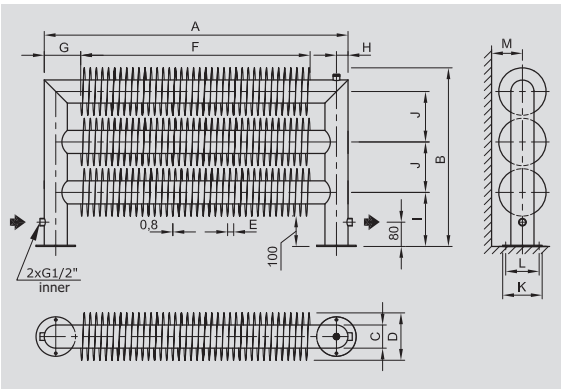
ZRAT3	57	137	100	S	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	self-standing	colour code

Ordering, see the page 56

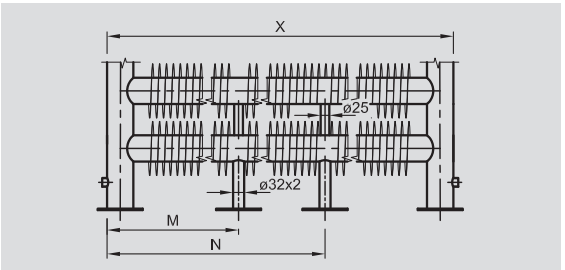
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RAT3-S (∅ 32 mm)

length of Spiralix X [mm]	M	N	Number of legs
500–2900	0	0	2 pcs
2901–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

RAT3-S (∅ 57 mm a ∅ 76 mm)

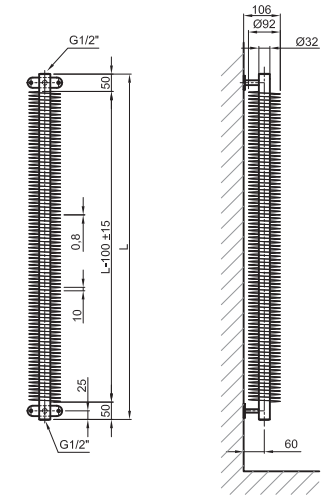
length of Spiralix X [mm]	M	N	Number of legs
500–3000	0	0	2 pcs
3001–4500	X/2	0	3 pcs
4501–6000	1/3 X	2/3 X	4 pcs

Spiralix | VERTICAL

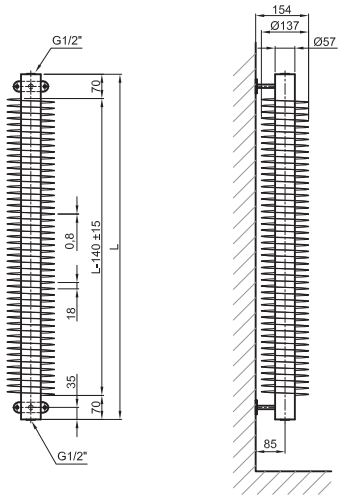
Spiralix radiators can be ordered for installation on a wall in a vertical position, types RA, RAT, RAO

- length L = 500–2 500 mm
- heating output of the painted version = heating output of the horizontal Spiralix -30 %
- heating output of the stainless steel version = heating output of the horizontal Spiralix -55 %

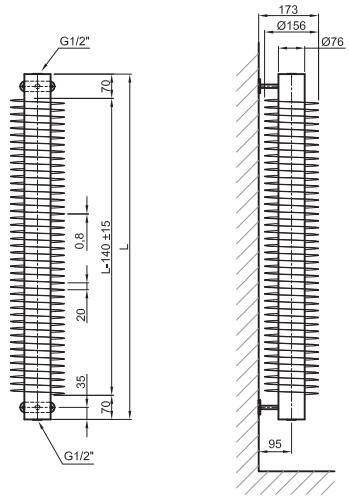
RA1



RA1 32×2×92 VERTICAL

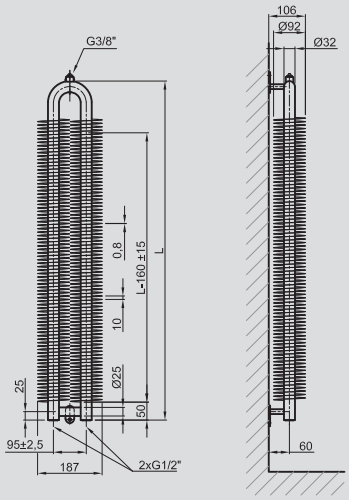


RA1 57×2,5×137 VERTICAL

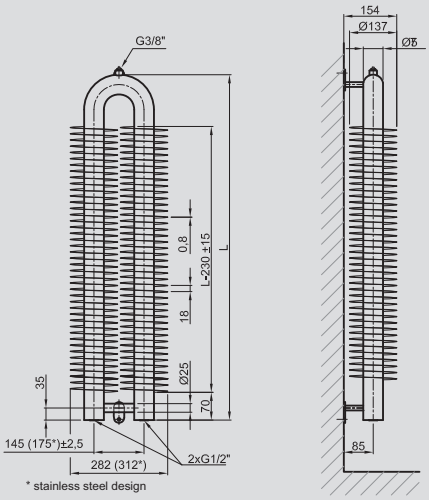


RA1 76×2,5×156 VERTICAL

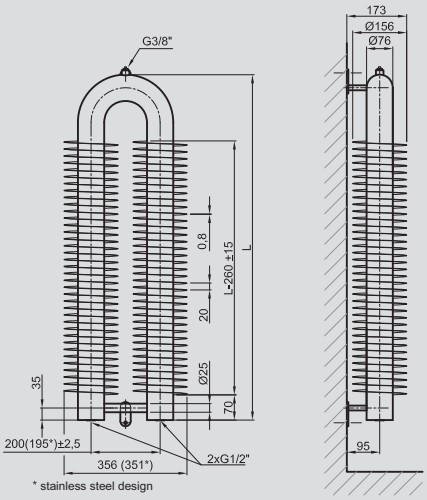
RA02



RA02 32×2×92 VERTICAL

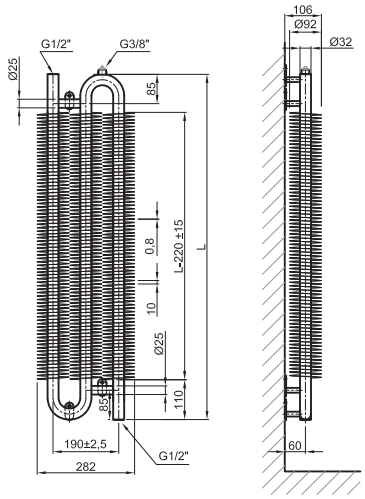


RA02 57×2,5×137 VERTICAL

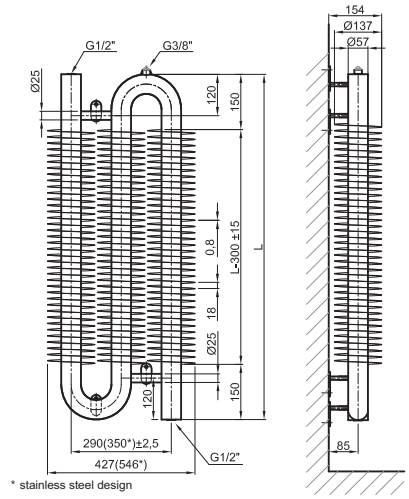


RA02 76×2,5×156 VERTICAL

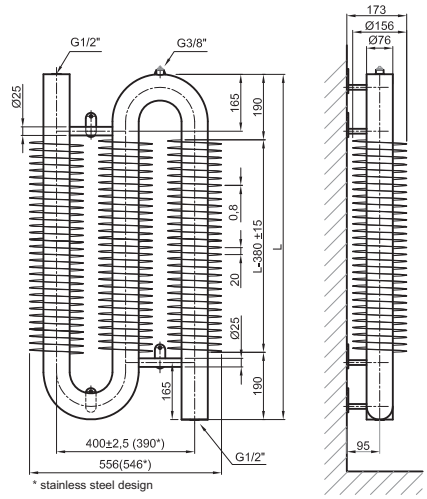
RA03 RIGHT



RA03 32×2×92 VERTICAL RIGHT



RA03 57×2,5×137 VERTICAL RIGHT



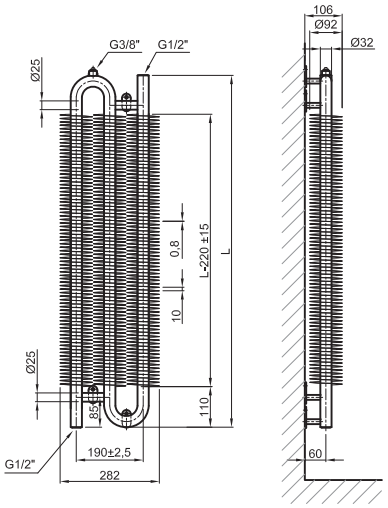
RA03 76×2,5×156 VERTICAL RIGHT

Spiralix | VERTICAL

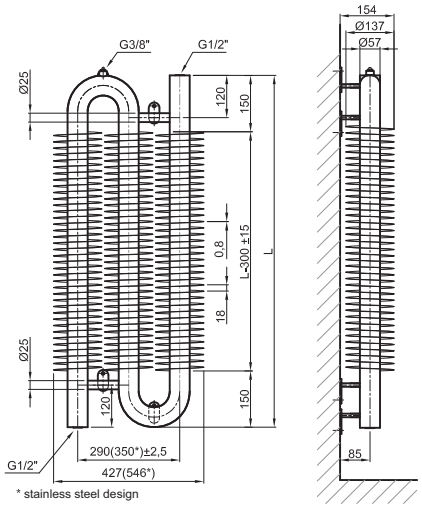
Spiralix radiators can be ordered for installation on a wall in a vertical position, types RA, RAT, RAO

- length L = 500–2 500 mm
- heating output of the painted version = heating output of the horizontal Spiralix -30 %
- heating output of the stainless steel version = heating output of the horizontal Spiralix -55 %

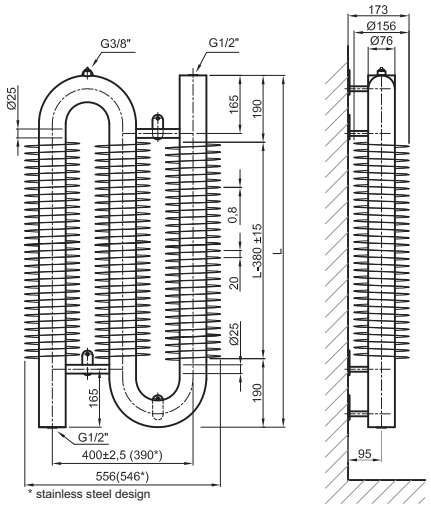
RA03 LEFT



RA03 32×2×92 VERTICAL LEFT

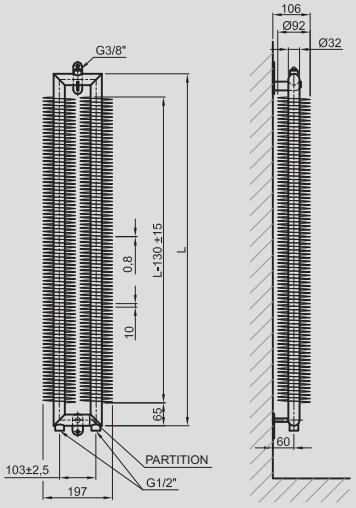


RA03 57×2,5×137 VERTICAL LEFT

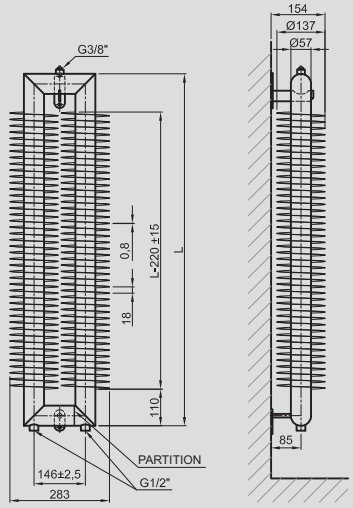


RA03 76×2,5×156 VERTICAL LEFT

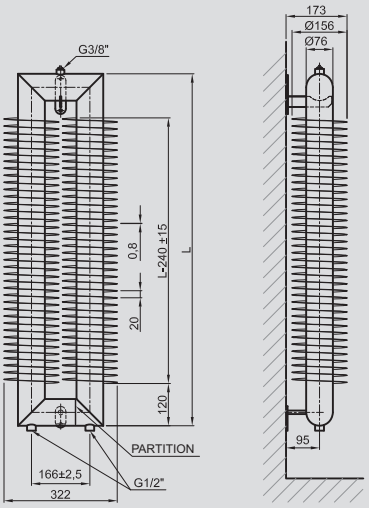
RAT2



RAT2 32×2×92 VERTICAL

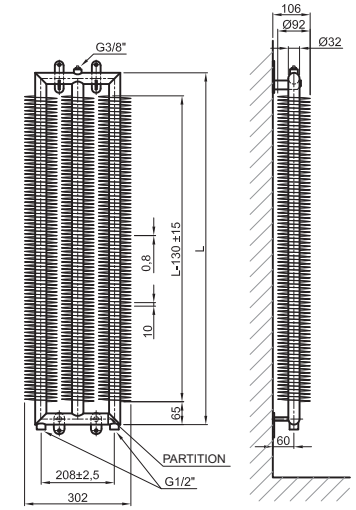


RAT2 57×2,5×137 VERTICAL

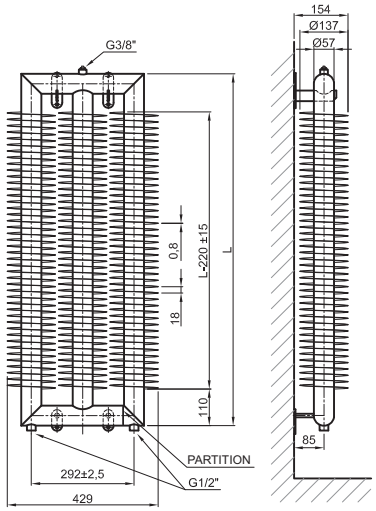


RAT2 76×2,5×156 VERTICAL

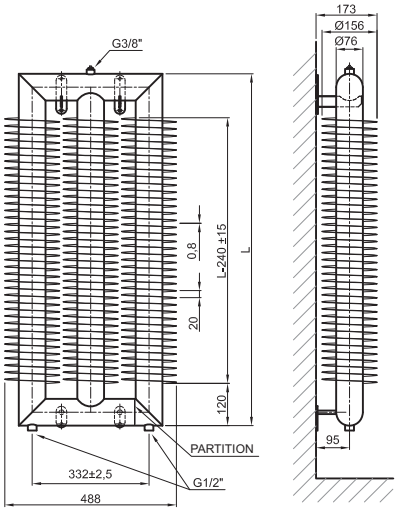
RAT3



RAT3 32×2×92 VERTICAL



RAT3 57×2,5×137 VERTICAL



RAT3 76×2,5×156 VERTICAL

Spiralix | SMOOTH TUBES

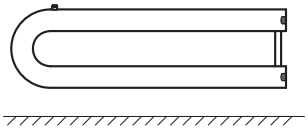
Other variation of Spiralix radiators is a version without winding – smooth tubes.They are delivered in versions for floor, on wall and self-standing, the same as standard models. For the heating output of radiators made of smooth tubes consider the 20–25 % of the standard ribbed radiator.

EXAMPLES:

WALL-MOUNTED VERSION

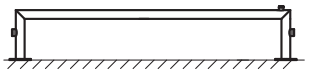
HRAT3

HRAO2



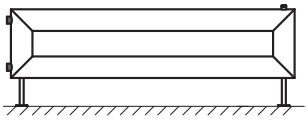
SELF-STANDING VERSION

HRA1

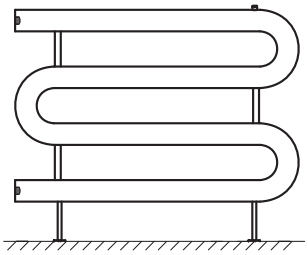


FLOOR-MOUNTED VERSION

HRAT2



HRAO4



CODE EXAMPLE

HRAT2	57	–	100	F	01
Spiralix type	∅ tube [mm]	∅ winding [mm]	length [cm]	on the floor	colour

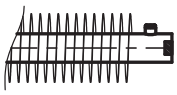
Atypical solutions are delivered only based on drawings; for specification of technical parameters and heating outputs please contact sales department of Laurens
Ordering,seethe page 56

CONNECTION OPTIONS FOR Spiralix RADIATORS

STANDARD WAYS OF CONNECTING Spiralix RADIATORS

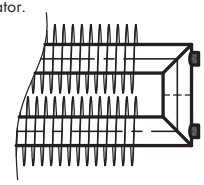
Standard connection S1, S2, S3 with no additional charge on top of the price of the radiator.

S1



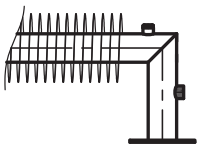
Standard connection
for RA1and RAO radiators.

S2



Standard connection
for RAT radiators.

S3

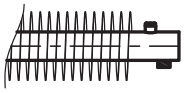


Standard connection for
RA1 and RAT self-standing radiators.

ATYPICAL WAYS OF CONNECTING Spiralix RADIATORS – (ADDITIONALCHARGE FOR CHANGE IN CONNECTION)

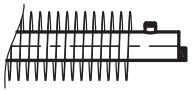
Atypical ways of connection can be combined with changes in the connection threads (G 3/8", G1/2", G3/4", G1") after consultation with the sales department.

A1



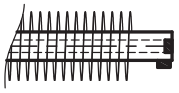
Atypical connection for RA1, RAT
and RAO radiators.

A2



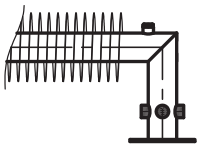
Atypical connection for RA1 and RAO
radiators with a diameter of 57 and 76 mm.

A3



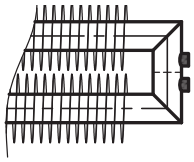
Atypical connection for RA1 radiators
with a diameter of 57 and 76 mm.

A4



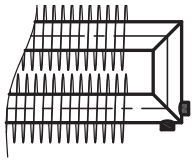
Atypical connection for self-standing
RA1 and RAT radiators.
Any movement of the connection must
always be only by an angle of 90°.

A5



Atypical connection for RAT radiators.
Min. pitch of the connection 50 mm.

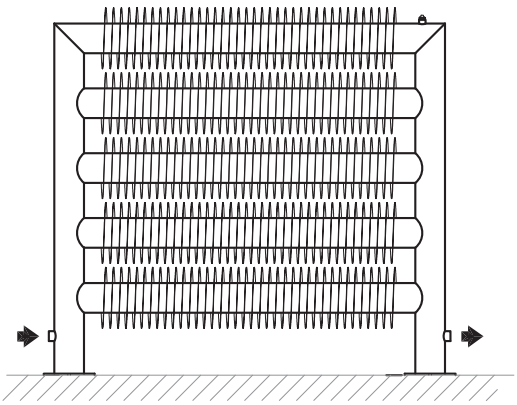
A6



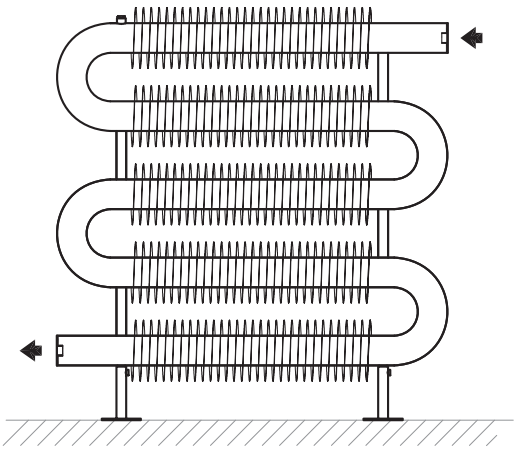
Atypical connection for RAT radiators.

Should you be interested in special connections please contact the sales department of Laurens Radiátory s.r.o. for a specification of the technical parameters. Should it not be stated otherwise, the atypical connections are valid for all of the manufactured diameters 32, 57 and 76 mm.

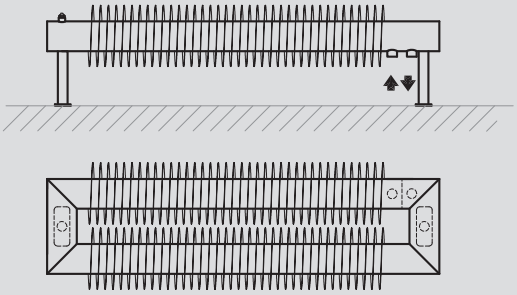
NEXT ATYPICAL DESIGNS OF RADIATORS



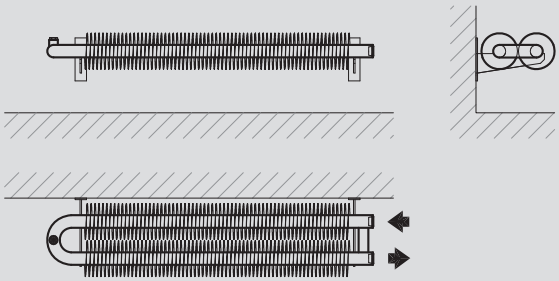
RAT5 76/156 SELF-STANDING



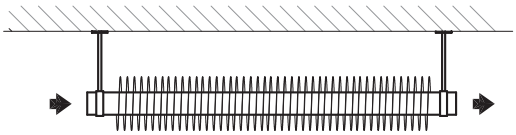
RAO5 57/137 ON THE FLOOR



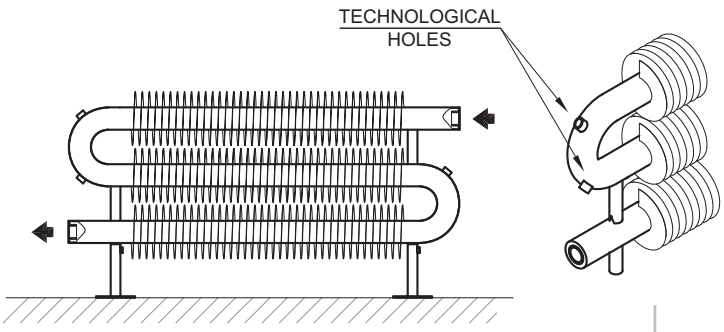
RAT2 76/156 TO THE FLOOR HORIZONTALLY



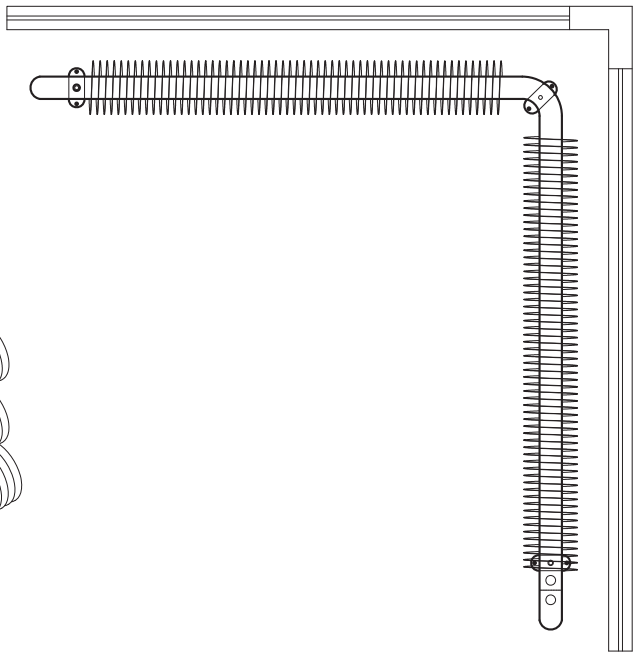
RAO2 32/92 TO THE WALL HORIZONTALLY



RA1 57/137 UNDER CEILING



RAO3 57/137 ON THE FLOOR – GALVANIZED



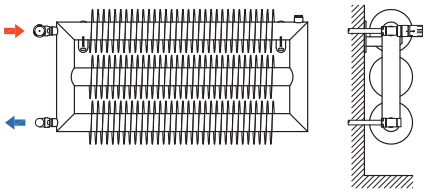
RAO2 57/137 TO THE FLOOR – BROKEN LINE SHAPE

Thermostatic Packs

Thermostatic set
corner

white
chrome
inox

illustration image



Pack no. 113 / white / Code: O37BRC-113
Connection to copper pipes ø 15 mm
Thermostatic head / white
Corner thermostatic valve and lockshield valve / white
Clamping fittings for copper pipes / chrome

Pack no. 114 / white / Code: O37BRA-114
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / white
Corner thermostatic valve and lockshield valve / white
Clamping fittings for Al/PEX and Al/PERT / chrome

Pack no. 115 / chrome / Code: O37CRC-115
Connection to copper pipes ø 15 mm
Thermostatic head / chrome
Corner thermostatic valve and lockshield valve / chrome
Clamping fittings for copper pipes / chrome

Pack no. 116 / chrome / Code: O37CRA-116
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / chrome
Corner thermostatic valve and lockshield valve / chrome
Clamping fittings for Al/PEX and Al/PERT / chrome

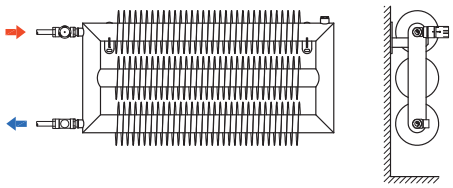
Pack no. 117 / inox / Code: O37NRC-117
Connection to copper pipes ø 15 mm
Thermostatic head / inox
Corner thermostatic valve and lockshield valve / inox
Clamping fittings for copper pipes / inox

Pack no. 118 / inox / Code: O37NRA-118
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / inox
Corner thermostatic valve and lockshield valve / inox
Clamping fittings for Al/PEX and Al/PERT / inox

Thermostatic set
direct

white
chrome
inox

illustration image



Pack no. 107 / white / Code: O37BPC-107
Connection to copper pipes ø 15 mm
Thermostatic head / white
Direct thermostatic valve and lockshield valve / white
Clamping fittings for copper pipes / chrome

Pack no. 108 / white / Code: O37BPA-108
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / white
Direct thermostatic valve and lockshield valve / white
Clamping fittings for Al/PEX and Al/PERT / chrome

Pack no. 109 / chrome / Code: O37CPC-109
Connection to copper pipes ø 15 mm
Thermostatic head / chrome
Direct thermostatic valve and lockshield valve / chrome
Clamping fittings for copper pipes / chrome

Pack no. 110 / chrome / Code: O37CPA-110
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / chrome
Direct thermostatic valve and lockshield valve / chrome
Clamping fittings for Al/PEX and Al/PERT / chrome

Pack no. 111 / inox / Code: O37NPC-111
Connection to copper pipes ø 15 mm
Thermostatic head / inox
Direct thermostatic valve and lockshield valve / inox
Clamping fittings for copper pipes / inox

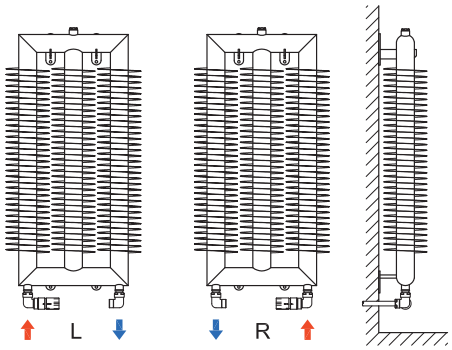
Pack no. 112 / inox / Code: O37NPA-112
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / inox
Direct thermostatic valve and lockshield valve / inox
Clamping fittings for Al/PEX and Al/PERT / inox

Thermostatic set

angular – triax

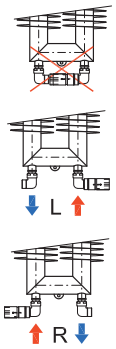
white
chrome
inox

illustration image

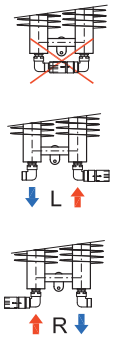


Models with reverse installation

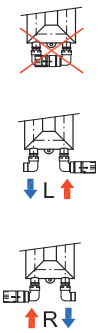
RAT2 Ø32×92
RAT2 Ø57×137



RAO2 Ø32×92
RAO2 Ø57×137



HRAT2 Ø32, Ø57
HRAT2 Ø76, Ø89
HRAT3 Ø32



Pack no. 101L / white / left / Code: O37BUCL101
Pack no. 101R / white / right / Code: O37BUCR101
Connection to copper pipes ø 15 mm
Thermostatic head / white
Angular thermostatic valve and lockshield valve / white
Clamping fittings for copper pipes / chrome

Pack no. 102L / white / left / Code: O37BUAL102
Pack no. 102R / white / right / Code: O37BUAR102
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / white
Angular thermostatic valve and lockshield valve / white
Clamping fittings for Al/PEX and Al/PERT / chrome

Pack no. 103L / chrome / left / Code: O37CUCL103
Pack no. 103R / chrome / right / Code: O37CUCR103
Connection to copper pipes ø 15 mm
Thermostatic head / chrome
Angular thermostatic valve and lockshield valve / chrome
Clamping fittings for copper pipes / chrome

Pack no. 104L / chrome / left / Code: O37CUAL104
Pack no. 104R / chrome / right / Code: O37CUAR104
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / chrome
Angular thermostatic valve and lockshield valve / chrome
Clamping fittings for Al/PEX and Al/PERT / chrome

Pack no. 105L / inox / left / Code: O37NUCL105
Pack no. 105R / inox / right / Code: O37NUCR105
Connection to copper pipes ø 15 mm
Thermostatic head / inox
Angular thermostatic valve and lockshield valve / inox
Clamping fittings for copper pipes / inox

Pack no. 106L / inox / left / Code: O37NUAL106
Pack no. 106R / inox / right / Code: O37NUAR106
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / inox
Angular thermostatic valve and lockshield valve / inox
Clamping fittings for Al/PEX and Al/PERT / inox

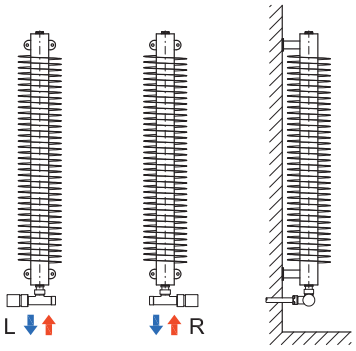
Thermostatic valve

single-point connection corner thermostatic valve

The single-point thermostatic valve is only suitable for vertical models Spiralix **RA1** and **HRA1** with a diameter of **ø 57, 76, 89** and **108**, where the internal structure is adapted

white
chrome
inox

illustration image



Pack no. 145L / white / left / Code: O37BWCL145
Pack no. 145R / white / right / Code: O37BWCR145
Connection to copper pipes ø 15 mm
Thermostatic head / white
Corner thermostatic valve and lockshield valve / white
Clamping fittings for copper pipes / chrome

Pack no. 146L / white / left / Code: O37BWAL146
Pack no. 146R / white / right / Code: O37BWAR146
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / white
Corner thermostatic valve and lockshield valve / white
Clamping fittings for Al/PEX and Al/PERT / chrome

Pack no. 147L / chrome / left / Code: O37CWCL147
Pack no. 147R / chrome / right / Code: O37CWCR147
Connection to copper pipes ø 15 mm
Thermostatic head / chrome
Corner thermostatic valve and lockshield valve / chrome
Clamping fittings for copper pipes / chrome

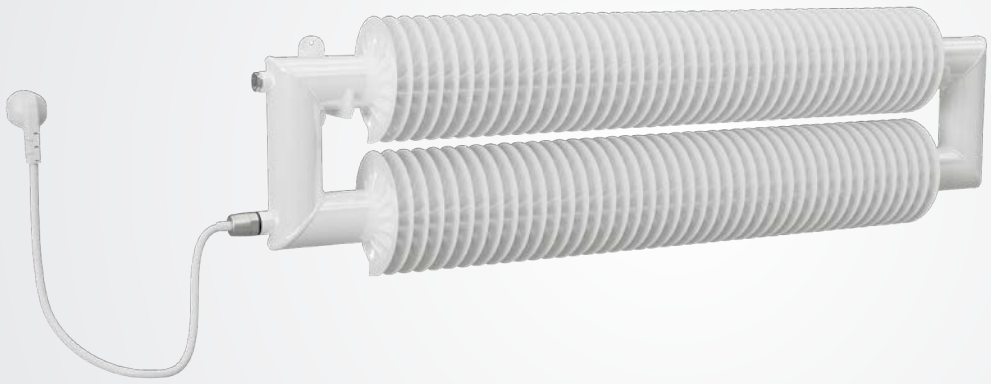
Pack no. 148L / chrome / left / Code: O37CWAL148
Pack no. 148R / chrome / right / Code: O37CWAR148
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / chrome
Corner thermostatic valve and lockshield valve / chrome
Clamping fittings for Al/PEX and Al/PERT / chrome

Pack no. 149L / inox / left / Code: O37NWCL149
Pack no. 149R / inox / right / Code: O37NWCR149
Connection to copper pipes ø 15 mm
Thermostatic head / inox
Corner thermostatic valve and lockshield valve / inox
Clamping fittings for copper pipes / inox

Pack no. 150L / inox / left / Code: O37NWAL150
Pack no. 150R / inox / right / Code: O37NWAR150
Connection to Al/PEX, Al/PERT pipes ø 16×2 mm
Thermostatic head / inox
Corner thermostatic valve and lockshield valve / inox
Clamping fittings for Al/PEX and Al/PERT / inox

Spiralix **Electro**

Electricity is ubiquitous, offering us far more options as to the placement of the “helix”. Spiralix Electro is a stand-alone heating unit connected to the mains. Common installation locations include hallways, dressing rooms, garages, workshops, restaurant central pillars, underneath waiting room benches, basically anywhere electricity is available. The distinctive industrial design will add a touch of originality to your interior, while the wide range of available colours will allow you to stylishly incorporate the radiator into the surrounding space. It can be ordered with or without a controller to be connected to your own SMART system.



△ Spiralix
RAT2-W

△ Spiralix
RA1-V

Basic specifications

Material	strip steel coiled on a thick-walled steel pipe, filled with operating fluid and fitted with a heating rod
Models	RA1, RAT2, RAO2
Tube × fin diameter	Ø57×137 mm, Ø76×56 mm
Length	**500–2 000 mm** (in step 250 mm)
Horizontal mounting	floor and wall
Vertical mounting	wall
Base colour	snow white RAL 9016 (colour code - 01)
Additional colours	as per Laurens and the basic RAL colour charts

Operating conditions

Operating voltage	230 V AC, 50/60 Hz
Protection	IPX4
Control / regulation	thermostat, regulator or basic without control
Ambient conditions	ambient temperature +2 to +40 °C relative humidity 20-70%

Control

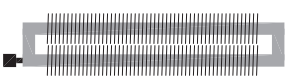
Rio, Neo, Vision	LCD thermostat with weekly programming
Solo, Mini PW	radiator power regulator
Basic Z heating rod	heating rod without regulation

Electricity takes the leading role

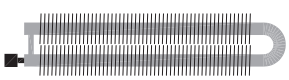
△ Spiralix
RAO2-F

Horizontal models

RA1



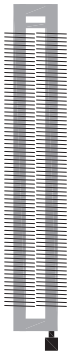
RAT2



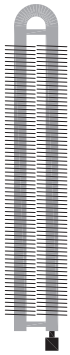
RAO2

Vertical models

RA1



RAT2



RAO2

Spiralix **Electro heating output**

The heating output of electric Spiralix units is determined by the power input of the heating rod.

Max. recommended power input [W]

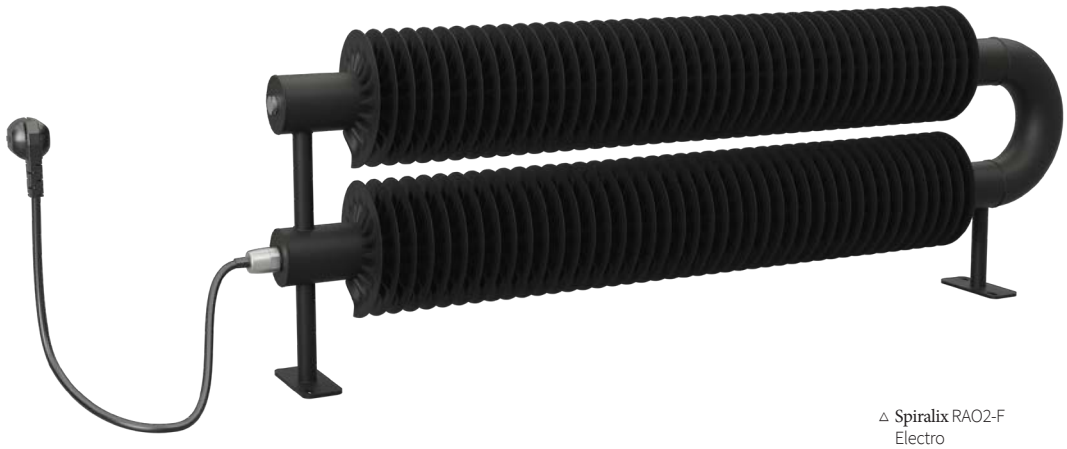
Vertical models

Type	Model	Length [mm] / Max. recommended power input [W]						
		500	750	1000	1250	1500	1750	2000
RA1	Ø57x137	200	200	300	300	400	400	500
RA1	Ø76x156	200	200	300	300	400	500	600
RAT2, RAO2	Ø57x137	200	300	400	500	600	700	800
RAT2, RAO2	Ø76x156	200	400	500	600	700	900	1000

Horizontal models

Type	Model	Length [mm] / Max. recommended power input [W]						
		500	750	1000	1250	1500	1750	2000
RA1	Ø57x137	200	300	400	400	500	600	700
RA1	Ø76x156	200	300	400	500	600	700	800
RAT2, RAO2	Ø57x137	300	400	600	700	900	1000	1200
RAT2, RAO2	Ø76x156	300	500	700	900	1000	1200	1200

Note: if a rod with the specified power is not available for the selected type of regulation, the nearest lower input power is installed.



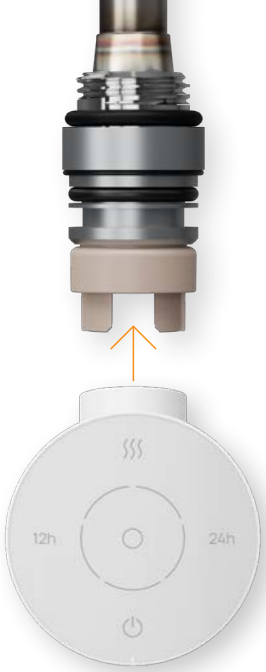
△ Spiralix RAO2-F Electro

Regulators

Regulators with Nexus system

The innovative heating rod - regulator connection facilitates the replacement of the existing regulator for a new one with a different design or improved functions. Our range includes basic regulators, regulators with advanced functions or Wi-Fi connectivity.

nexus
easy connect



NEW PRODUCT

Benefits

- Nexus system heating rod compatibility with any Nexus regulator
- quick and easy installation*

*Installation may only be performed by qualified persons

Solo

A basic regulator with Nexus system designed for electric dryers controlled by touch buttons. It supports various operating modes, including timer, boost and antifreeze. The timer activates the heating function every 12 or 24 hours.

Order code: O30-1S000G01-01_EN

Order code: O30-1S000G80-01_EN

Technical data

Operating modes	
· timer 12 h and timer 24 h · manual · stand- by · boost	· antifreeze · lock screen · factory reset
Power range	5 levels adjustable by settings based on electric heating element power capacity
Installation (vertical models)	on the right side (on the left side - must be specified in the order)
Connection system	Nexus
Connection	straight 120 cm electric cable terminated with a plug
Display type	capacitive touchscreen interface
Colour of display	white/black
Colour of regulator	chrome/white
Protection zone	2 and 3
Available heating rods	200 W–1 200 W
Dimensions	61.5 × 70 × 50 mm
Power supply	230 V/ 50 Hz
Protection category	I
Degree of protection	IPX4
Working temperature	0°–40°C
Max humidity level	RH 85% at 25°C (without condensation)

Rio

A stylish regulator with Nexus system for electric radiators with an easy-to-read backlit LCD display and intuitive control. Its shape lends itself to being used with all designer radiators. Operating modes such as ECO, weekly programming, open window detection and a built-in temperature sensor help reduce heating costs. Available in a WIFI version that allows the regulator to be controlled using a mobile app.

Order code: O30-1S000Q01-01_EN
Order code: O30-1S000F01-01_EN (WIFI)

Order code: O30-1S000Q80-01_EN
Order code: O30-1S000F80-01_EN (WIFI)

Technical data

Operating modes	
· comfort · ECO · weekly program · open window detection	· antifreeze · boost · keyboard lock · factory reset
Temperature range of room	+7°C to +25°C
Installation (vertical models)	on the right side (on the left side - must be specified in the order)
Connection system	Nexus
Connection	straight 120 cm electric cable terminated with a plug
Display type	LCD with backlit
Colour of regulator	white/chrome
Protection zone	2 and 3
Available heating rods	200 W–1200 W
Dimensions	61.5 × 70 × 50 mm
Power supply	230 V/ 50 Hz
Protection category	I
Degree of protection	IPX4
Working temperature	0°–40°C
Max humidity level	RH 85% at 25°C (without condensation)
WIFI connection	available WIFI version

Neo

A stylish regulator with Nexus system for electric radiators with an easy-to-read backlit LCD display and intuitive control. The tilt of the display improves its readability and facilitates operation. Operating modes such as ECO, weekly programming, open window detection and a built-in temperature sensor help reduce heating costs. Available in a WIFI version that allows the regulator to be controlled using a mobile app.

Order code: O30-1S000Y01-01_EN
Order code: O30-1S000X01-01_EN (WIFI)

Order code: O30-1S000Y80-01_EN
Order code: O30-1S000X80-01_EN (WIFI)

Technical data

Operating modes	
· comfort	· antifreeze
· ECO	· boost
· weekly program	· keyboard lock
· open window detection	· factory reset
Temperature range of room	+7°C to +25°C
Working temperature	0°–40°C
Installation (vertical models)	on the right side
Connection system	Nexus
Connection	straight 120 cm electric cable terminated with a plug

Display type	LCD with backlit
Colour of regulator	white/chrome
Protection zone	2 and 3
Available heating rods	200 W–1 200 W
Dimensions	140 × 66 × 60 mm
Power supply	230 V/ 50 Hz
Protection category	I
Degree of protection	IPX4
Max humidity level	RH 85% at 25°C (without condensation)
WIFI connection	available WIFI version

Other regulators

Z heating rod

Z heating rod, without a regulator. Standard right lower flow pipe installation. Left-side installation requirement must be specified in the order.

NEW PRODUCT

Technical data

Working voltage	230 V/50 Hz
Protection category	I
Degree of protection	IP44
Installation (vertical models)	on the right side (on the left - must be specified in the order)
Connection thread	G 1/2" outer
Connection	coiled 120 cm electric cable terminated with a plug
Colour of cable	white/black

Mini PW

A basic regulator with a dial for controlling the dryer output at a scale of 20 to 100% of the rated output. In the min. position the regulator is OFF, while in the max. position it remains constantly ON.

Technical data

Working voltage	230 V/50 Hz
Protection category	I
Degree of protection	IPX4
Working temperature	0–50 °C
Working humidity	0–85 % (without condensation)
Power range	20-100 % of the nominal output of towel dryer
Installation (vertical models)	on the right side (on the left side - must be specified in the order)
Connection thread	G 1/2" outer (on the heating rod)
Connection	straight 120 cm electric cable terminated with a plug
Colour of regulator	white/chrome
Colour of cable	white/grey
Protection zone	2 and 3
Available heating rods	200 W–1 200 W
Dimensions	65 × 75 × 40 mm

Vision

NEW PRODUCT

A programmable electrical regulator with a large TFT display. The tilt angle of the display improves its readability and facilitates control. The regulator can be controlled manually or via the Tevolve app from anywhere with Internet access. Operating modes such as ECO, hourly programming or open window detection help cut down on heating costs.

Gateway

- electric heating controller
- multiple unit control
- energy saving

WORKS WITH alexa

Google Assistant

Technical data

Operating modes	· antifreeze · boost · keyboard lock · factory reset · manual
· comfort · ECO · weekly program · open window detection	
Communication radio frequency	868 MHz
Installation	on the right side
Connection thread	G1/2" outer (on the heating rod)
Connection	straight 120 cm electric cable terminated with a plug

Display type	TFT display with backlit
Colour of regulator	white / black
Protection zone	2 and 3
Available heating rods	200–1 200 W
Dimensions	150 × 70 × 38 mm
Power supply	230 V / 50 HZ
Protection category	I
Degree of protection	IP44
Working temperature	0°–40°C

Reference weight: Spiralix ELECTRO Horizontal and Vertical

Length 500–2 000 mm

Type	Model	Length [mm] / Weight [kg]						
		500	750	1000	1250	1500	1750	2000
RA1	Ø57x137	5,0	8,0	10,5	13,5	16,5	19,5	22,0
	Ø76x156	6,5	10,5	14,0	17,5	21,0	25,0	28,5
RAT2	Ø57x137	9,5	15,5	21,0	27,0	32,5	38,0	44,0
	Ø76x156	13,0	20,5	27,5	35,0	42,0	49,5	56,5
RAO2	Ø57x137	9,0	14,5	20,5	26,0	32,0	37,5	43,0
	Ø76x156	12,0	19,5	26,5	34,0	41,0	48,5	55,5

The weight of the radiator filled with heating liquid

Reference heating medium volume: Spiralix Horizontal/ Vertical, Spiralix without fins Horizontal/Vertical

Length 500–2 400 mm

Type	Model	Length [mm] / Heating medium volume [l]																			
		500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
RA1 HRA1	Ø32x92	0,4	0,4	0,5	0,6	0,6	0,7	0,7	0,8	0,9	0,9	1,0	1,0	1,1	1,2	1,2	1,3	1,3	1,4	1,5	1,5
	Ø57x137	1,1	1,3	1,5	1,7	1,9	2,1	2,3	2,5	2,7	2,9	3,1	3,3	3,5	3,7	3,9	4,1	4,3	4,5	4,7	4,9
	Ø76x156	2,0	2,4	2,7	3,1	3,5	3,9	4,3	4,7	5,1	5,4	5,8	6,2	6,6	7,0	7,4	7,7	8,1	8,5	8,9	9,3
	Ø89x169	2,7	3,2	3,8	4,3	4,8	5,4	5,9	6,4	7,0	7,5	8,0	8,6	9,1	9,6	10,2	10,7	11,3	11,8	12,3	12,9
	Ø108x188	4,0	4,8	5,6	6,4	7,2	8,0	8,8	9,6	10,4	11,2	12,0	12,8	13,6	14,4	15,2	16,0	16,8	17,6	18,4	19,2
RAT2 HRAT2	Ø32x92	0,7	0,9	1,0	1,1	1,2	1,4	1,5	1,6	1,7	1,9	2,0	2,1	2,2	2,3	2,5	2,6	2,7	2,8	3,0	3,1
	Ø57x137	2,4	2,8	3,3	3,7	4,1	4,5	4,9	5,3	5,7	6,1	6,5	6,9	7,3	7,7	8,2	8,6	9,0	9,4	9,8	10,2
	Ø76x156	4,6	5,4	6,1	6,9	7,7	8,4	9,2	10,0	10,7	11,5	12,3	13,0	13,8	14,6	15,4	16,1	16,9	17,7	18,4	19,2
	Ø89x169	6,3	7,4	8,5	9,5	10,6	11,7	12,8	13,8	14,9	16,0	17,0	18,1	19,2	20,3	21,3	22,4	23,5	24,5	25,6	26,7
	Ø108x188	9,1	10,7	12,3	13,9	15,5	17,1	18,7	20,3	21,9	23,5	25,1	26,7	28,3	29,9	31,5	33,1	34,7	36,3	37,9	39,5
RAT3 HRAT3	Ø32x92	1,1	1,3	1,5	1,7	1,9	2,1	2,3	2,5	2,7	2,9	3,1	3,3	3,5	3,7	3,9	4,1	4,3	4,5	4,7	4,9
	Ø57x137	3,7	4,4	5,0	5,6	6,2	6,8	7,4	8,0	8,7	9,3	9,9	10,5	11,1	11,7	12,3	12,9	13,6	14,2	14,8	15,4
	Ø76x156	7,2	8,4	9,5	10,7	11,8	13,0	14,1	15,3	16,4	17,6	18,8	19,9	21,1	22,2	23,4	24,5	25,7	26,8	28,0	29,1
	Ø89x169	10,0	11,6	13,2	14,8	16,4	18,0	19,6	21,2	22,8	24,4	26,0	27,7	29,3	30,9	32,5	34,1	35,7	37,3	38,9	40,5
	Ø108x188	14,2	16,6	19,0	21,4	23,8	26,3	28,7	31,1	33,5	35,9	38,4	40,8	43,2	45,6	48,0	50,5	52,9	55,3	57,7	60,1
RAO2 HRAO2	Ø32x92	0,6	0,8	0,9	1,0	1,1	1,3	1,4	1,5	1,6	1,8	1,9	2,0	2,1	2,2	2,4	2,5	2,6	2,7	2,9	3,0
	Ø57x137	2,1	2,5	2,9	3,3	3,7	4,1	4,5	4,9	5,4	5,8	6,2	6,6	7,0	7,4	7,8	8,2	8,6	9,0	9,5	9,9
	Ø76x156	4,0	4,8	5,5	6,3	7,1	7,8	8,6	9,4	10,1	10,9	11,7	12,5	13,2	14,0	14,8	15,5	16,3	17,1	17,8	18,6
	Ø89x169	5,6	6,7	7,7	8,8	9,9	10,9	12,0	13,1	14,2	15,2	16,3	17,4	18,4	19,5	20,6	21,7	22,7	23,8	24,9	26,0
	Ø108x188	8,6	10,2	11,8	13,4	15,0	16,6	18,2	19,8	21,4	23,0	24,6	26,2	27,8	29,4	31,0	32,6	34,2	35,8	37,4	39,0
RAO3 HRAO3	Ø32x92	1,0	1,2	1,4	1,5	1,7	1,9	2,1	2,3	2,5	2,7	2,8	3,0	3,2	3,4	3,6	3,8	4,0	4,1	4,3	4,5
	Ø57x137	3,4	4,0	4,6	5,2	5,8	6,4	7,0	7,7	8,3	8,9	9,5	10,1	10,7	11,3	12,0	12,6	13,2	13,8	14,4	15,0
	Ø76x156	6,6	7,8	8,9	10,1	11,2	12,4	13,5	14,7	15,8	17,0	18,1	19,3	20,5	21,6	22,8	23,9	25,1	26,2	27,4	28,5
	Ø89x169	8,5	10,1	11,7	13,3	14,9	16,5	18,1	19,8	21,4	23,0	24,6	26,2	27,8	29,4	31,0	32,6	34,2	35,8	37,4	39,0
	Ø108x188	13,2	15,6	18,0	20,4	22,9	25,3	27,7	30,1	32,5	34,9	37,3	39,7	42,1	44,5	47,0	49,4	51,8	54,2	56,6	59,0

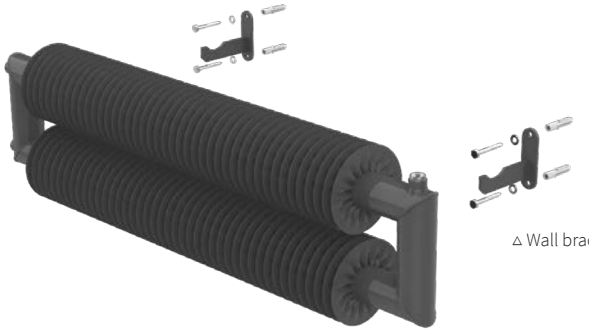
Length 500–2 400 mm

Type	Model	Length [mm] / Heating medium volume [l]																			
		2500	2600	2700	2800	2900	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000
RA1 HRA1	Ø32x92	1,6	1,6	1,7	1,8	1,8	1,9	2,0	2,1	2,3	2,4	2,5	2,6	2,7	2,9	3,0	3,1	3,2	3,4	3,5	3,6	3,7
	Ø57x137	5,2	5,4	5,6	5,8	6,0	6,2	6,6	7,0	7,4	7,8	8,2	8,6	9,0	9,4	9,9	10,3	10,7	11,1	11,5	11,9	12,3
	Ø76x156	9,7	10,0	10,4	10,8	11,2	11,6	12,4	13,1	13,9	14,7	15,4	16,2	17,0	17,7	18,5	19,3	20,0	20,8	21,6	22,3	23,1
	Ø89x169	13,4	13,9	14,5	15,0	15,5	16,1	17,1	18,2	19,3	20,4	21,4	22,5	23,6	24,6	25,7	26,8	27,9	28,9	30,0	31,1	32,2
	Ø108x188	20,0	20,8	21,6	22,4	23,2	24,0	25,6	27,2	28,8	30,4	32,0	33,6	35,2	36,8	38,4	40,0	41,6	43,2	44,8	46,4	48,0
RAT2 HRAT2	Ø32x92	3,2	3,3	3,5	3,6	3,7	3,8	4,1	4,3	4,6	4,8	5,1	5,3	5,6	5,8	6,0	6,3	6,5	6,8	7,0	7,3	7,5
	Ø57x137	10,6	11,0	11,4	11,8	12,2	12,6	13,5	14,3	15,1	15,9	16,7	17,5	18,4	19,2	20,0	20,8	21,6	22,4	23,3	24,1	24,9
	Ø76x156	20,0	20,7	21,5	22,3	23,0	23,8	25,4	26,9	28,4	30,0	31,5	33,0	34,6	36,1	37,7	39,2	40,7	42,3	43,8	45,4	46,9
	Ø89x169	27,8	28,8	29,9	31,0	32,0	33,1	35,3	37,4	39,5	41,7	43,8	46,0	48,1	50,3	52,4	54,6	56,7	58,8	61,0	63,1	65,3
	Ø108x188	41,1	42,7	44,3	45,9	47,5	49,1	52,3	55,5	58,7	61,9	65,1	68,3	71,5	74,7	77,9	81,1	84,3	87,5	90,7	93,9	97,1
RAT3 HRAT3	Ø32x92	5,2	5,4	5,6	5,8	6,0	6,2	6,6	7,0	7,4	7,8	8,2	8,6	9,0	9,4	9,9	10,3	10,7	11,1	11,5	11,9	12,3
	Ø57x137	16,0	16,6	17,2	17,9	18,5	19,1	20,3	21,5	22,8	24,0	25,2	26,4	27,7	28,9	30,1	31,3	32,6	33,8	35,0	36,3	37,5
	Ø76x156	30,3	31,5	32,6	33,8	34,9	36,1	38,4	40,7	43,0	45,3	47,6	49,9	52,2	54,5	56,8	59,2	61,5	63,8	66,1	68,4	70,7
	Ø89x169	42,1	43,7	45,3	46,9	48,5	50,2	53,4	56,6	59,8	63,0	66,2	69,4	72,7	75,9	79,1	82,3	85,5	88,7	92,0	95,2	98,4
	Ø108x188	62,6	65,0	67,4	69,8	72,2	74,7	79,5	84,3	89,2	94,0	98,9	103,7	108,5	113,4	118,2	123,1	127,9	132,7	137,6	142,4	147,3
RAO2 HRAO2	Ø32x92	3,1	3,2	3,3	3,5	3,6	3,7	4,0	4,2	4,5	4,7	4,9	5,2	5,4	5,7	5,9	6,2	6,4	6,7	6,9	7,2	7,4
	Ø57x137	10,3	10,7	11,1	11,5	11,9	12,3	13,1	14,0	14,8	15,6	16,4	17,2	18,0	18,9	19,7	20,5	21,3	22,1	23,0	23,8	24,6
	Ø76x156	19,4	20,2	20,9	21,7	22,5	23,2	24,8	26,3	27,9	29,4	30,9	32,5	34,0	35,6	37,1	38,6	40,2	41,7	43,3	44,8	46,3
	Ø89x169	27,0	28,1	29,2	30,2	31,3	32,4	34,5	36,7	38,8	41,0	43,1	45,2	47,4	49,5	51,7	53,8	56,0	58,1	60,2	62,4	64,5
	Ø108x188	40,6	42,2	43,8	45,4	47,0	48,6	51,8	55,0	58,2	61,4	64,6	67,8	71,0	74,2	77,4	80,6	83,8	87,0	90,2	93,4	96,6
RAO3 HRAO3	Ø32x92	4,7	4,9	5,1	5,2	5,4	5,6	6,0	6,4	6,7	7,1	7,5	7,8	8,2	8,6	9,0	9,3	9,7	10,1	10,4	10,8	11,2
	Ø57x137	15,6	16,2	16,9	17,5	18,1	18,7	19,9	21,2	22,4	23,6	24,8	26,1	27,3	28,5	29,7	31,0	32,2	33,4	34,6	35,9	37,1
	Ø76x156	29,7	30,8	32,0	33,2	34,3	35,5	37,8	40,1	42,4	44,7	47,0	49,3	51,6	53,9	56,3	58,6	60,9	63,2	65,5	67,8	70,1
	Ø89x169	40,6	42,3	43,9	45,5	47,1	48,7	51,9	55,1	58,3	61,5	64,8	68,0	71,2	74,4	77,6	80,8	84,1	87,3	90,5	93,7	96,9
	Ø108x188	61,4	63,8	66,2	68,6	71,1	73,5	78,3	83,1	87,9	92,7	97,6	102,4	107,2	112,0	116,8	121,7	126,5	131,3	136,1	140,9	145,8

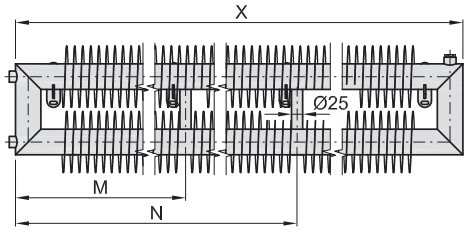
Spiralix **mounting**

Spiralix **Horizontal**

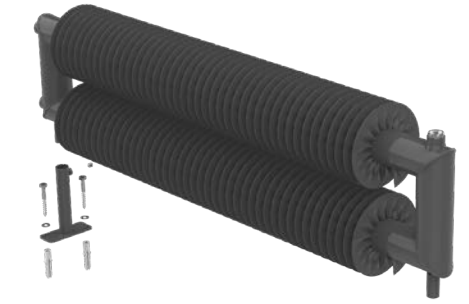
Wall-mounted



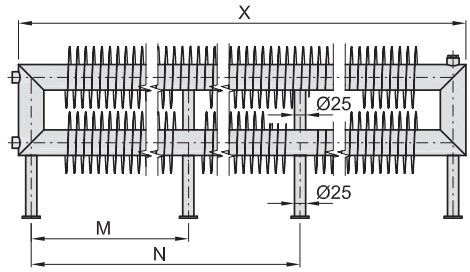
△ Wall brackets W

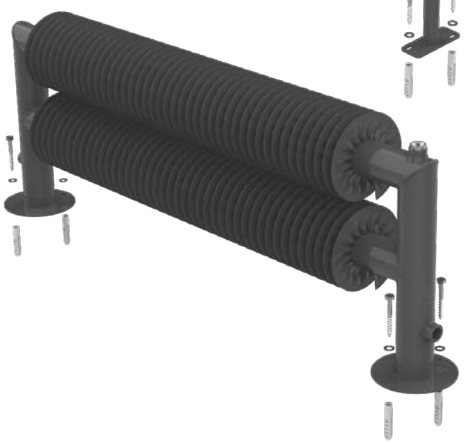


Floor-mounted

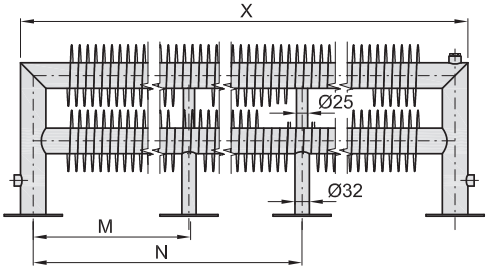


◁ Stands F





◁ Self-standing S



Range of Spiralix lengths and spacing of mounting elements

Model	M = 0, N = 0	M = ~ X/2, N = 0	M = ~ 1/3X, N = ~ 2/3X
Ø32	500-2900 mm	2901-4500 mm	4501-6000 mm
Ø57, Ø76, Ø89, Ø108	500-3000 mm	3001-4500 mm	4501-6000 mm

Spiralix **mounting**

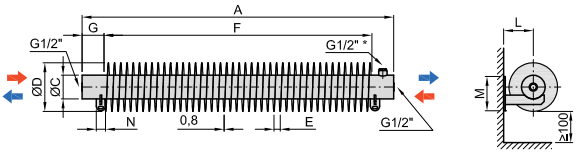
Spiralix **Vertical**

Wall-mounted

Spiralix technical drawings

Spiralix Horizontal - WALL

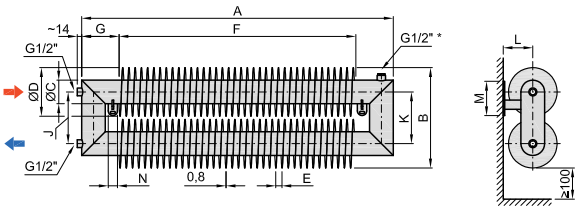
RA1-W



RA1-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
A			500-6000		
B	-	-	-	-	-
C	32	57	76	89	108
D	92	137	156	169	188
E	10	18	20	20	20
F	A-100	A-140	A-140	A-140	A-140
G	50	70	70	70	70
J	-	-	-	-	-
L	60	85	95	102	111
M	90	100	110	115	125
N	25	30	30	30	35

Dimensions [mm]

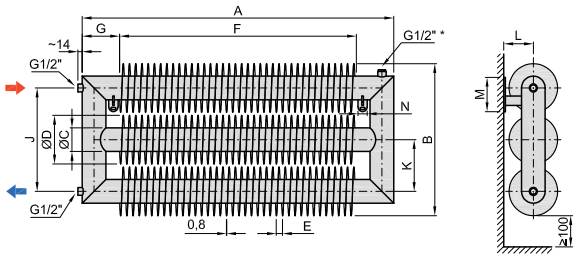
RAT2-W



RAT2-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
A			500-6000		
B	197	283	322	348	386
C	32	57	76	89	108
D	92	137	156	169	188
E	10	18	20	20	20
F	A-130	A-220	A-240	A-260	A-300
G	65	110	120	130	150
J	103	146	166	179	198
K	105	146	166	179	198
L	60	85	95	102	111
M	90	100	110	115	125
N	25	30	30	30	35

Dimensions [mm]

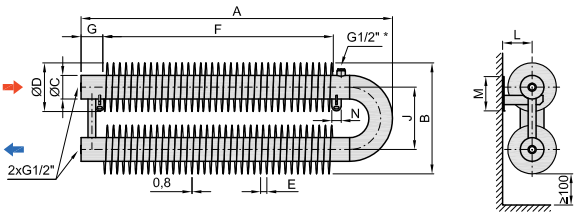
RAT3-W



RAT3-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
A			500-6000		
B	302	429	488	527	584
C	32	57	76	89	108
D	92	137	156	169	188
E	10	18	20	20	20
F	A-130	A-220	A-240	A-260	A-300
G	65	110	120	130	150
J	208	292	332	358	396
K	105	146	166	179	198
L	60	85	95	102	111
M	90	100	110	115	125
N	25	30	30	30	35

Dimensions [mm]

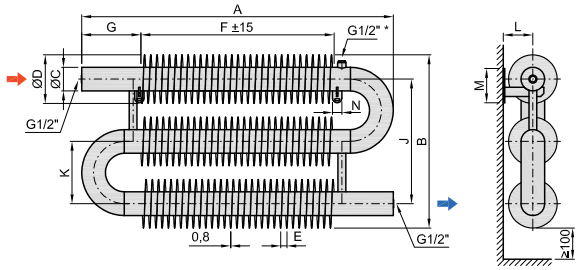
RAO2-W



RAO2-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
A			500-6000		
B	187	282 (312**)	356 (351**)	400	478
C	32	57	76	89	108
D	92	137	156	169	188
E	10	18	20	20	20
F	A-160	A-230	A-260	A-280	A-310
G	50	70	70	70	70
J	95	145 (175**)	200 (195**)	231	290
L	60	85	95	102	111
M	90	100	110	115	125
N	25	30	30	30	35

Dimensions [mm]

RAO3-W



RAO3-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
A			500-6000		
B	282	427 (487**)	556 (546**)	631	768
C	32	57	76	89	108
D	92	137	156	169	188
E	10	18	20	20	20
F	A-220	A-300	A-380	A-420	A-480
G	110	150	190	210	240
J	190	290 (350**)	400 (390**)	462	580
K	95	145 (175**)	200 (195**)	231	290
L	60	85	95	102	111
M	90	100	110	115	125
N	25	30	30	30	35

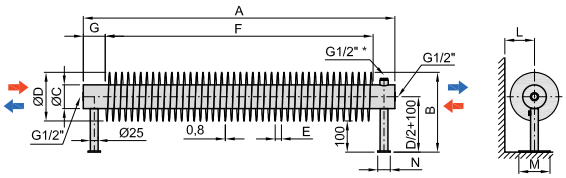
Dimensions [mm]

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

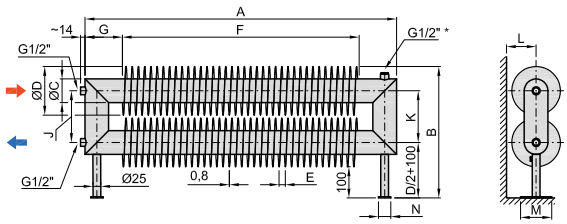
Spiralix **Horizontal - FLOOR**

RA1-F



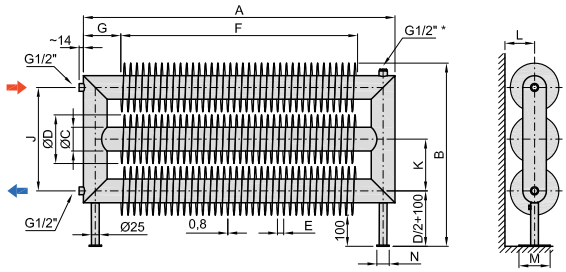
RA1-F		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	192	237	256	269	288
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-100	A-140	A-140	A-140	A-140
	G	50	70	70	70	70
	J	-	-	-	-	-
	L	≥60	≥85	≥95	≥102	≥111
	M	100	100	100	160	160
	N	40	40	40	60	60

RAT2-F



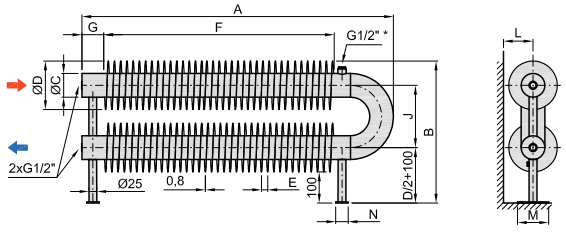
RAT2-F		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	297	383	422	448	486
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-130	A-220	A-240	A-260	A-300
	G	65	110	120	130	150
	J	103	146	166	179	198
	K	105	146	166	179	198
	L	≥60	≥85	≥95	≥102	≥111
	M	100	100	100	160	160
	N	40	40	40	60	60

RAT3-F



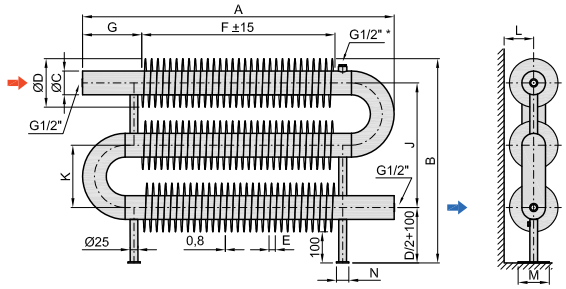
RAT3-F		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	402	529	588	627	684
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-130	A-220	A-240	A-260	A-300
	G	65	110	120	130	150
	J	208	292	332	358	396
	K	105	146	166	179	198
	L	≥60	≥85	≥95	≥102	≥111
	M	100	100	100	160	160
	N	40	40	40	60	60

RAO2-F



RAO2-F		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	287	382 (412**)	456 (451**)	500	578
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-160	A-230	A-260	A-280	A-310
	G	50	70	70	70	70
	J	95	145 (175**)	200 (195**)	231	290
	L	60	85	95	≥102	≥111
	M	100	100	100	160	160
	N	40	40	40	60	60
	N	25	30	30	30	35

RAO3-F



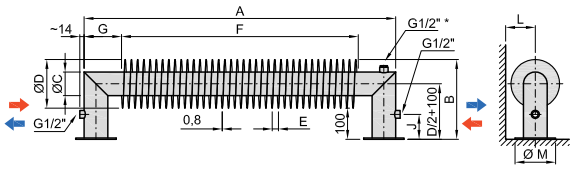
RAO3-F		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	382	527 (587**)	656 (646**)	731	868
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-220	A-300	A-380	A-420	A-480
	G	110	150	190	210	240
	J	190	290 (350**)	400 (390**)	462	580
	K	95	145 (175**)	200 (195**)	231	290
	L	≥60	≥85	≥95	≥102	≥111
	M	100	100	100	160	160
	N	40	40	40	60	60

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

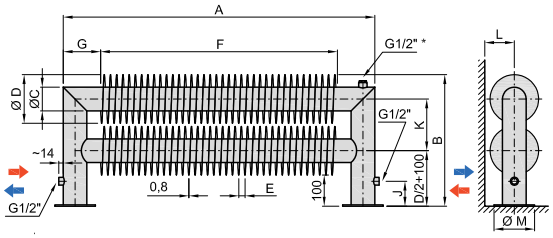
Spiralix **Horizontal - SELFSTANDING**

RA1-S



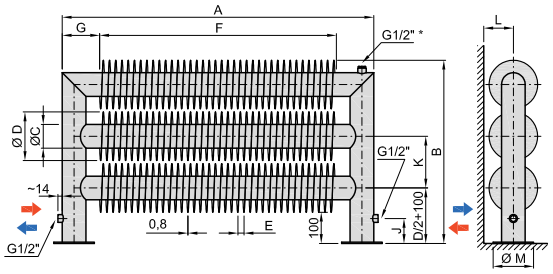
RA1-S		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	192	237	256	269	288
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-130	A-220	A-240	A-260	A-300
	G	65	110	120	130	150
	J	80	80	80	80	80
	L	≥60	≥85	≥95	≥102	≥111
	M	76	130	130	150	150
	N	25	30	30	30	35

RAT2-S



RAT2-S		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	297	383	422	448	486
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-130	A-220	A-240	A-260	A-300
	G	65	110	120	130	150
	J	80	80	80	80	80
	K	105	146	166	179	198
	L	≥60	≥85	≥95	≥102	≥111
	M	76	130	130	150	150
	N	-	-	-	-	-

RAT3-S



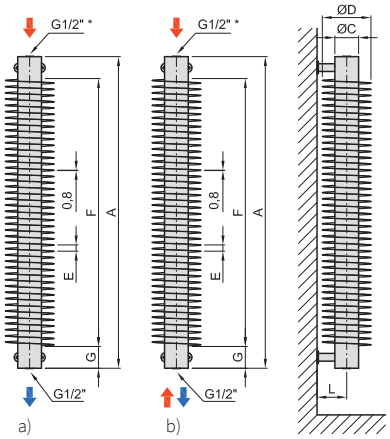
RAT3-S		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	402	529	588	627	684
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-130	A-220	A-240	A-260	A-300
	G	65	110	120	130	150
	J	80	80	80	80	80
	K	105	146	166	179	198
	L	≥60	≥85	≥95	≥102	≥111
	M	76	130	130	150	150
	N	-	-	-	-	-

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

Spiralix **Vertical - WALL**

RA1-V

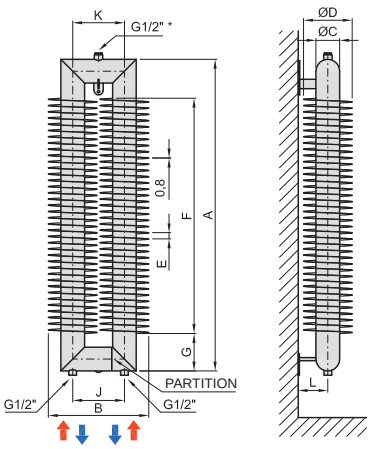


The unit does not have an air-vent valve, it is necessary to vent on the upper inlet pipe a) or use a single-point valve b)

RA1-V		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	-	-	-	-	-
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-100	A-140	A-140	A-140	A-140
	G	50	70	70	70	70
	J	–	–	–	–	–
	K	–	–	–	–	–
	L	60	85	95	102	111
	N	40	40	40	60	60

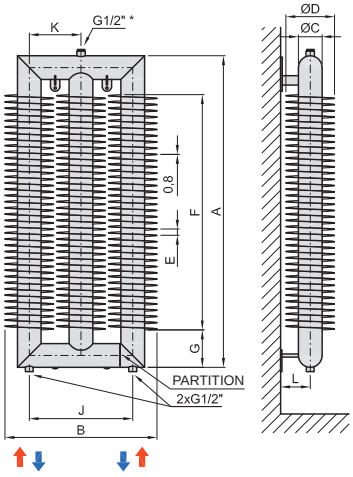
Note: option b) is not available for the ø32 mm

RAT2-V



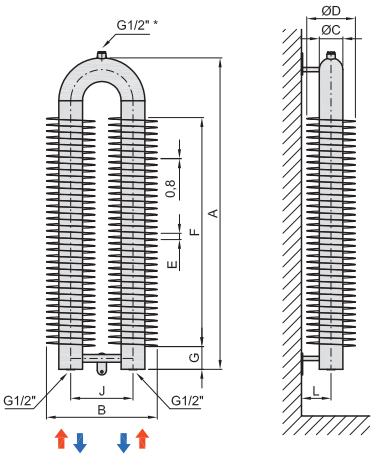
RAT2-V		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	197	283	322	348	386
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-130	A-220	A-240	A-260	A-300
	G	65	110	120	130	150
	J	103	146	166	179	198
	K	105	146	166	179	198
	L	60	85	95	102	111
	N	40	40	40	60	60

RAT3-V



RAT3-V		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	302	429	488	527	584
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-130	A-220	A-240	A-260	A-300
	G	65	110	120	130	150
	J	208	292	332	358	396
	K	105	146	166	179	198
	L	60	85	95	102	111
	N	40	40	40	60	60

RAO2-V



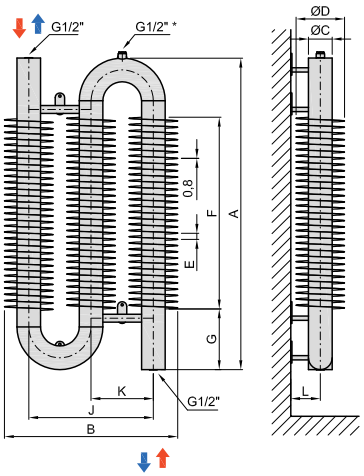
RAO2-V		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	187	282 (312**)	356 (351**)	400	478
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-160	A-230	A-260	A-280	A-320
	G	50	70	70	70	70
	J	95	145 (175**)	200 (195**)	231	290
	K	–	–	–	–	–
	L	60	85	95	102	111
	N	40	40	40	60	60

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

Spiralix **Vertical - WALL**

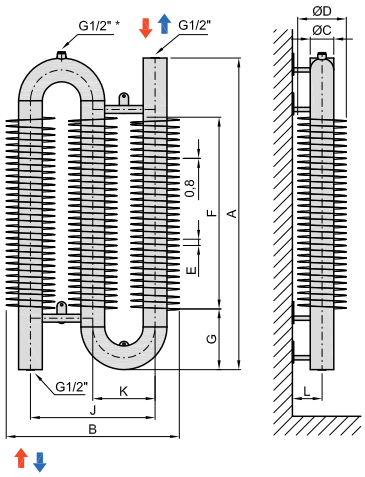
RAO3-D



The unit does not have an air-vent valve on top inlet, it is necessary to vent on the inlet pipe

RAO3-D		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	282	427 (487**)	556 (546**)	631	768
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-220	A-300	A-380	A-420	A-500
	G	110	150	190	210	250
	J	190	290 (350**)	400 (390**)	462	580
	K	95	145 (175**)	200 (195**)	231	290
	L	60	85	95	102	111
	N	40	40	40	60	60

RAO3-B



The unit does not have an air-vent valve on top inlet, it is necessary to vent on the inlet pipe

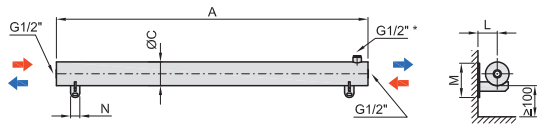
RAO3-B		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	282	427 (487**)	556 (546**)	631	768
	C	32	57	76	89	108
	D	92	137	156	169	188
	E	10	18	20	20	20
	F	A-220	A-300	A-380	A-420	A-500
	G	110	150	190	210	250
	J	190	290 (350**)	400 (390**)	462	580
	K	95	145 (175**)	200 (195**)	231	290
	L	60	85	95	102	111
	N	40	40	40	60	60

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

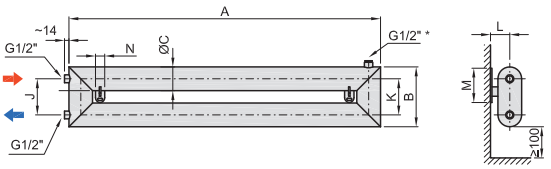
Spiralix **Horizontal without fins - WALL**

HRA1-W



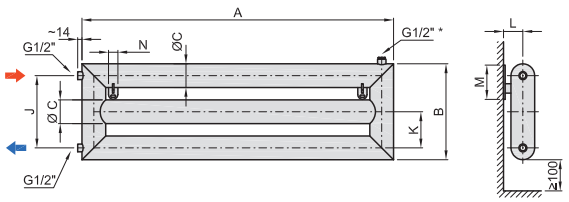
HRA1-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm] A			500-6000		
B	-	-	-	-	-
C	32	57	76	89	108
J	-	-	-	-	-
L	40	45	62	65	74
M	90	100	110	115	125
N	25	30	30	30	35

HRAT2-W



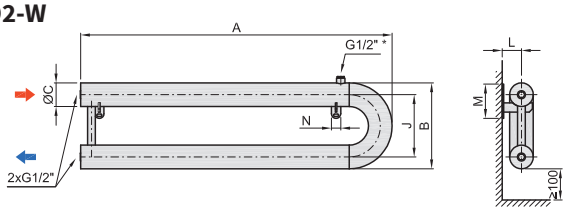
HRAT2-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm] A			500-6000		
B	104	154	192	238	276
C	32	57	76	89	108
J	70	97	116	149	168
K	72	97	116	149	168
L	40	45	62	65	74
M	90	100	110	115	125
N	25	30	30	30	35

HRAT3-W



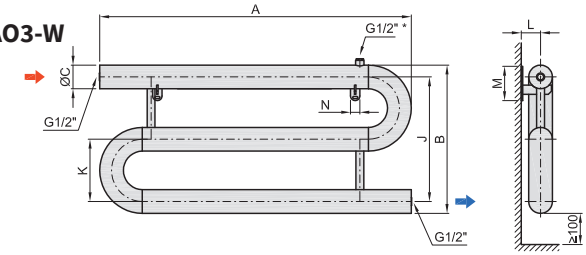
HRAT3-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm] A			500-6000		
B	176	251	308	387	444
C	32	57	76	89	108
J	142	194	232	298	336
K	72	97	116	149	168
L	40	45	62	65	74
M	90	100	110	115	125
N	25	30	30	30	35

HRAO2-W



HRAO2-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm] A			500-6000		
B	127	202 (232**)	276 (271**)	320	398
C	32	57	76	89	108
J	95	145 (175**)	200 (195**)	231	290
L	40	45	62	65	74
M	90	100	110	115	125
N	25	30	30	30	35

HRAO3-W



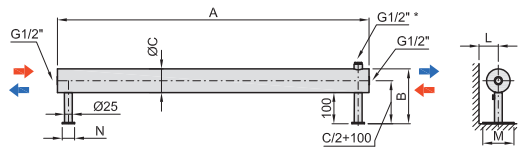
HRAO3-W	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm] A			500-6000		
B	222	347 (407**)	476 (466**)	551	688
C	32	57	76	89	108
J	190	290 (350**)	400 (390**)	462	580
K	95	145 (175**)	200 (195**)	231	290
L	40	45	62	65	74
M	90	100	110	115	125
N	25	30	30	30	35

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

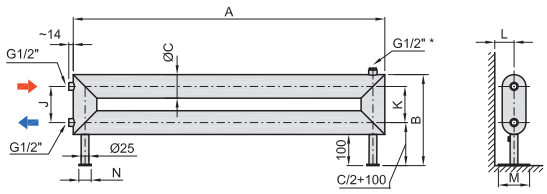
Spiralix **Horizontal without fins - FLOOR**

HRA1-F



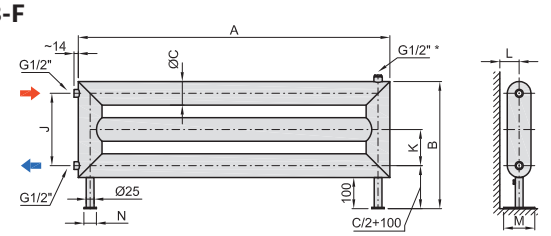
HRA1-F	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]					
A			500-6000		
B	132	157	176	189	208
C	32	57	76	89	108
J	-	-	-	-	-
L	≥62	≥62	≥62	≥92	≥92
M	100	100	100	160	160
N	40	40	40	60	60

HRAT2-F



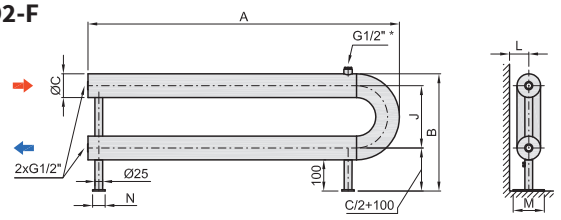
HRAT2-F	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]					
A			500-6000		
B	204	254	292	338	376
C	32	57	76	89	108
J	70	97	116	149	168
K	72	97	116	149	168
L	≥62	≥62	≥62	≥92	≥92
M	100	100	100	160	160
N	40	40	40	60	60

HRAT3-F



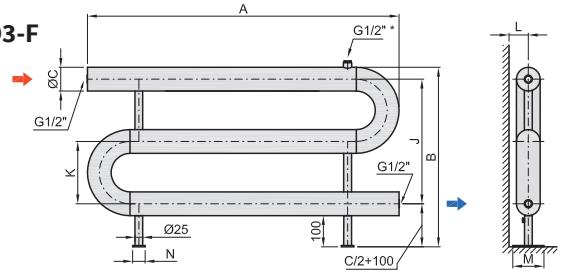
HRAT3-F	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]					
A			500-6000		
B	276	351	408	487	544
C	32	57	76	89	108
J	142	194	232	298	336
K	72	97	116	149	168
L	≥62	≥62	≥62	≥92	≥92
M	100	100	100	160	160
N	40	40	40	60	60

HRAO2-F



HRAO2-F	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]					
A			500-6000		
B	227	302 (332**)	376 (371**)	420	498
C	32	57	76	89	108
J	95	145 (175**)	200 (195**)	231	290
L	≥62	≥62	≥62	≥92	≥92
M	100	100	100	160	160
N	40	40	40	60	60

HRAO3-F



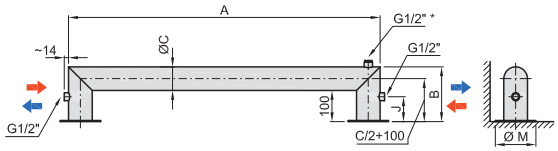
HRAO3-F	Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]					
A			500-6000		
B	322	447 (507**)	576 (566**)	651	788
C	32	57	76	89	108
J	190	290 (350**)	400 (390**)	462	580
K	95	145 (175**)	200 (195**)	231	290
L	≥62	≥62	≥62	≥92	≥92
M	100	100	100	160	160
N	40	40	40	60	60

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

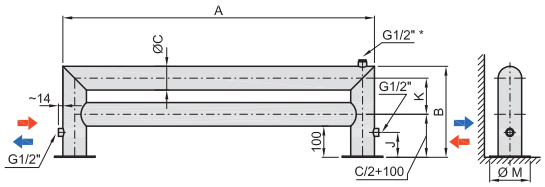
Spiralix Horizontal without fins - SELFSTANDING

HRA1-S



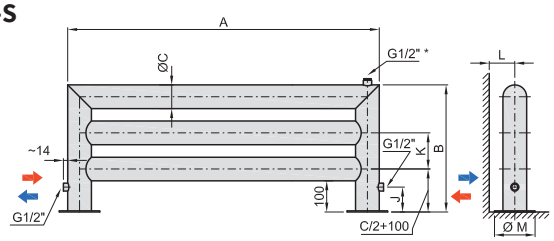
HRA1-S		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	132	157	176	189	208
	C	32	57	76	89	108
	J	80	80	80	80	80
	L	≥50	≥77	≥77	≥87	≥87
	M	76	130	130	150	150
	N	-	-	-	-	-

HRAT2-S



HRAT2-S		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	204	254	292	338	376
	C	32	57	76	89	108
	J	80	80	80	80	80
	K	72	97	116	149	168
	L	≥50	≥77	≥77	≥87	≥87
	M	76	130	130	150	150
	N	-	-	-	-	-

HRAT3-S



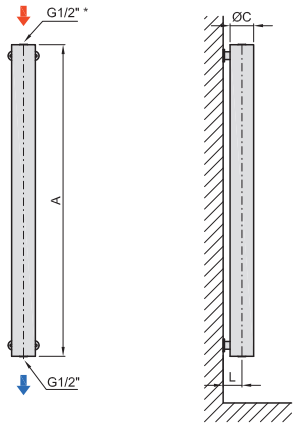
HRAT3-S		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-6000		
	B	276	351	408	487	544
	C	32	57	76	89	108
	J	80	80	80	80	80
	K	72	97	116	149	168
	L	≥50	≥77	≥77	≥87	≥87
	M	76	130	130	150	150
	N	-	-	-	-	-

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

Spiralix Vertical without fins - WALL

HRA1-V

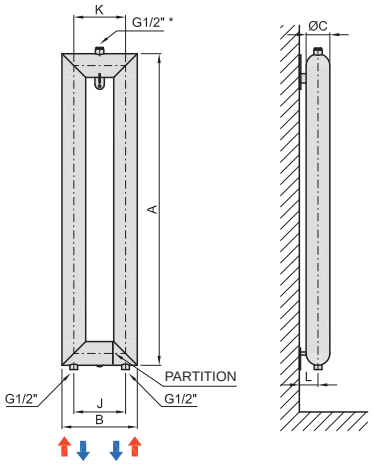


The unit does not have an air-vent valve, it is necessary to vent on the upper inlet pipe a) or use a single-point valve b)

HRA1-V		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	-	-	-	-	-
	C	32	57	76	89	108
	J	–	–	–	–	–
	K	–	–	–	–	–
	L	30	50,5	60	71,5	81

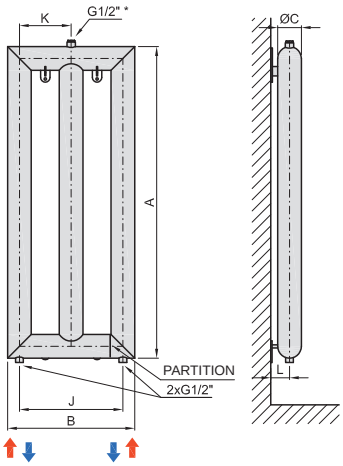
Note: option b) is not available for the ø32 mm

HRAT2-V



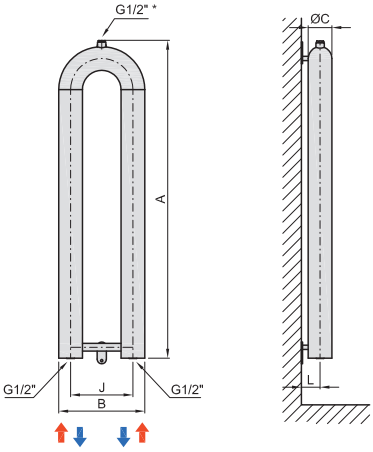
HRAT2-V		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	104	154	192	238	276
	C	32	57	76	89	108
	J	70	97	116	149	168
	K	72	97	116	149	168
	L	30	50,5	60	71,5	81

HRAT3-V



HRAT3-V		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	176	251	308	387	444
	C	32	57	76	89	108
	J	142	194	232	298	336
	K	72	97	116	149	168
	L	30	50,5	60	71,5	81

HRAO2-V



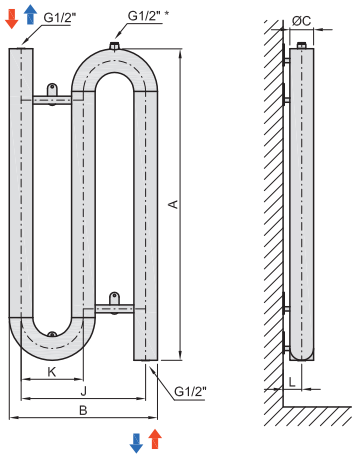
HRAO2-V		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	127	202 (232**)	276 (271**)	320	398
	C	32	57	76	89	108
	J	95	145 (175**)	200 (195**)	231	290
	K	-	-	-	-	-
	L	30	50,5	60	71,5	81

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

Spiralix Vertical without fins - WALL

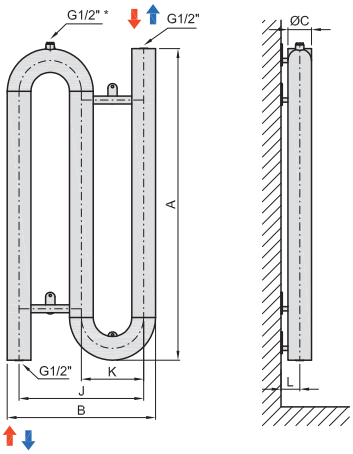
HRAO3-D



The unit does not have an air-vent valve on top inlet, it is necessary to vent on the inlet pipe

HRAO3-D		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	222	347 (407**)	476 (466**)	551	688
	C	32	57	76	89	108
	J	190	290 (350**)	400 (390**)	462	580
	K	95	145 (175**)	200 (195**)	231	290
	L	30	50,5	60	71,5	81

HRAO3-B



The unit does not have an air-vent valve on top inlet, it is necessary to vent on the inlet pipe

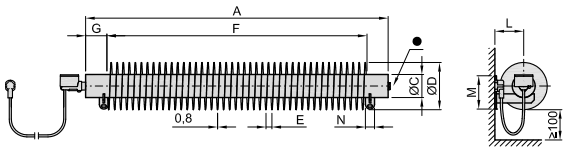
HRAO3-B		Ø32 x Ø92	Ø57 × Ø137	Ø76 × Ø156	Ø89 × Ø169	Ø108 × Ø188
Dimensions [mm]	A			500-2500		
	B	222	347 (407**)	476 (466**)	551	688
	C	32	57	76	89	108
	J	190	290 (350**)	400 (390**)	462	580
	K	95	145 (175**)	200 (195**)	231	290
	L	30	50,5	60	71,5	81

Dimension tolerance: **F** (fins length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

*airvent valve ** stainless steel construction, only ø32, 57 and 76 mm

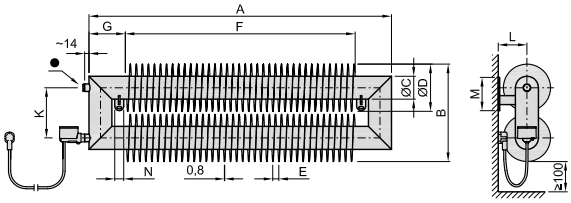
Spiralix Electro Horizontal - WALL

RA1-W



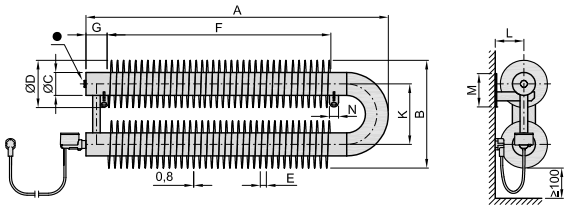
RA1-W		Ø57 × Ø137	Ø76 × Ø156
Dimensions [mm]	A	500-2000	
	B	-	-
	C	57	76
	D	137	156
	E	18	20
	F	A-140	A-140
	G	70	70
	K	-	-
	L	85	95
	M	100	110
	N	30	30

RAT2-W



RAT2-W		Ø57 × Ø137	Ø76 × Ø156
Dimensions [mm]	A	500-2000	
	B	283	322
	C	57	76
	D	137	156
	E	18	20
	F	A-220	A-240
	G	110	120
	K	146	166
	L	85	95
	M	100	110
	N	30	30

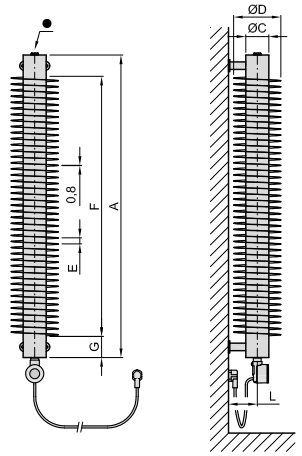
RAO2-W



RAO2-W		Ø57 × Ø137	Ø76 × Ø156
Dimensions [mm]	A	500-2000	
	B	282	356
	C	57	76
	D	137	156
	E	18	20
	F	A-230	A-260
	G	70	70
	K	145	200
	L	85	95
	M	100	110
	N	30	30

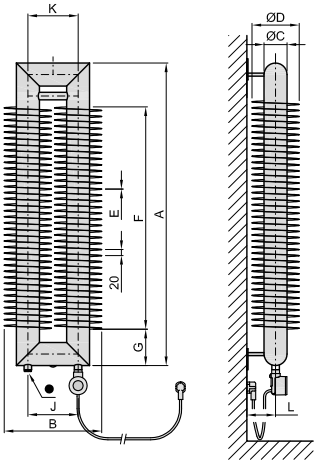
Spiralix Electro Vertical - WALL

RA1-V



RA1-V		Ø57 × Ø137	Ø76 × Ø156
Dimensions [mm]	A	500-2000	
	B	-	-
	C	57	76
	D	137	156
	E	18	20
	F	A-140	A-140
	G	70	70
	J	–	–
	K	–	–
	L	85	95
	N	30	30

RAT2-V



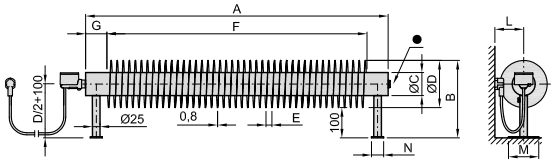
RAT2-V		Ø57 × Ø137	Ø76 × Ø156
Dimensions [mm]	A	500-2000	
	B	283	322
	C	57	76
	D	137	156
	E	18	20
	F	A-240	A-265
	G	110	120
	J	146	166
	K	146	166
	L	85	95
	N	30	30

Dimension tolerance: **F** (fin length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

● closing plug - must not be removed

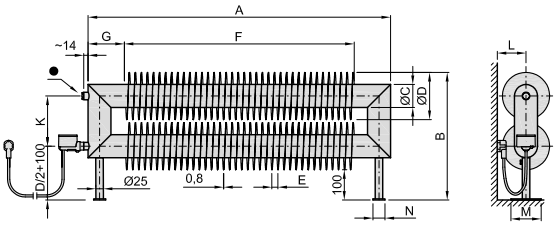
Spiralix Electro Horizontal - FLOOR

RA1-F



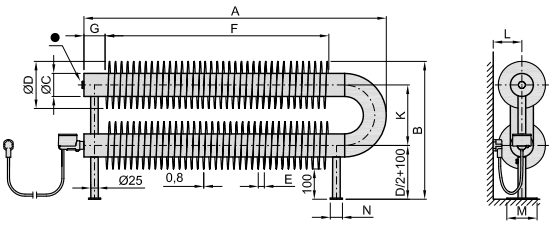
RA1-F		Ø57 × Ø137	Ø76 × Ø156
Dimensions [mm]	A	500-2000	
	B	237	256
	C	57	76
	D	137	156
	E	18	20
	F	A-140	A-140
	G	70	70
	K	-	-
	L	≥85	≥95
	M	100	100
	N	40	40

RAT2-F



RAT2-F		Ø57 × Ø137	Ø76 × Ø156
Dimensions [mm]	A	500-2000	
	B	383	422
	C	57	76
	D	137	156
	E	18	20
	F	A-220	A-240
	G	110	120
	K	146	166
	L	≥85	≥95
	M	100	100
	N	40	40

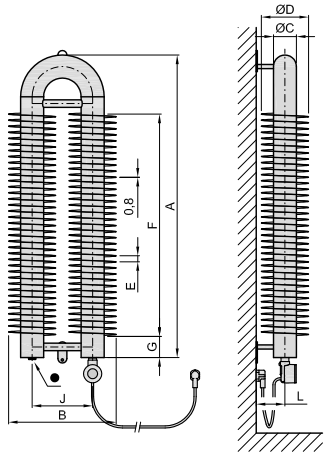
RAO2-F



RAO2-F		Ø57 × Ø137	Ø76 × Ø156
Dimensions [mm]	A	500-2000	
	B	382	456
	C	57	76
	D	137	156
	E	18	20
	F	A-230	A-260
	G	70	70
	K	145	200
	L	≥85	≥95
	M	100	100
	N	40	40

Spiralix Electro Vertical - WALL

RAO2-V



RAO2-V		Ø57 × Ø137	Ø76 × Ø156
Dimensions [mm]	A	500-2000	
	B	282	356
	C	57	76
	D	137	156
	E	18	20
	F	A-235	A-265
	G	70	70
	J	145	200
	K	–	–
	L	85	95
	N	30	30

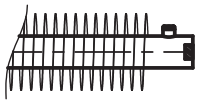
Dimension tolerance: **F** (fin length) +/- 15 mm / **J** (connection spacing) +/- 2,5 mm

● closing plug - must not be removed

Connection options for Spiralix radiators

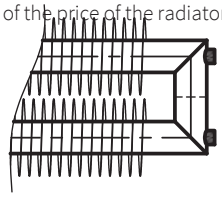
Standard ways of connecting Spiralix radiators

Standard connection S1, S2, S3 with no additional charge on top of the price of the radiator.



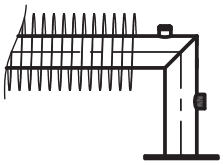
S1

Standard connection
for RA1and RAO radiators.



S2

Standard connection
for RAT radiators.

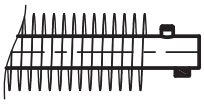


S3

Standard connection for
RA1 and RAT self-standing radiators.

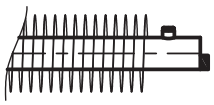
Atypical ways of connecting spiral radiators – (additional charge for change in connection)

Atypical ways of connection can be combined with changes in the connection threads (G3/8", G1/2", G3/4", G1") after consultation with the sales department.



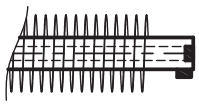
A1

Atypical connection for RA1, RAT
and RAO radiators.



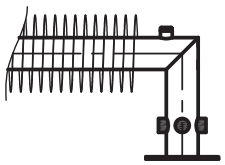
A2

Atypical connection for RA1 and RAO radiators
with a diameter of 57, 76, 89 and 108 mm.



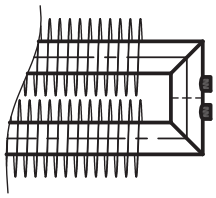
A3

Atypical connection for RA1 radiators
with a diameter of 57, 76, 89 and 108 mm.



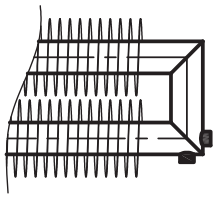
A4

Atypical connection for self-standing
RA1 and RAT radiators.
Any movement of the connection must
always be only by an angle of 90°.



A5

Atypical connection for RAT radiators.
Min. pitch of the connection 50 mm.



A6

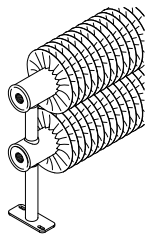
Atypical connection for RAT radiators.

Should you be interested in special connections please contact the sales department of Laurens Radiátory s.r.o. for a specification of the technical parameters. Should it not be stated otherwise, the atypical connections are valid for all of the manufactured diameters 32, 57, 76, 89 and 108 mm.

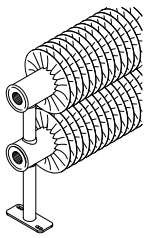
Connection thread options

Units with greater heating medium flows require a larger-diameter connection thread. To meet this requirement, we offer radiators ø57, 76, 89 and 108 also with a G3/4” and G 1" connection thread (instead of the standard G1/2”).

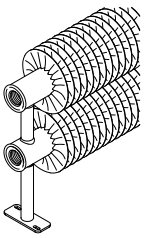
Example: RAO2 57x137



thread G1/2"

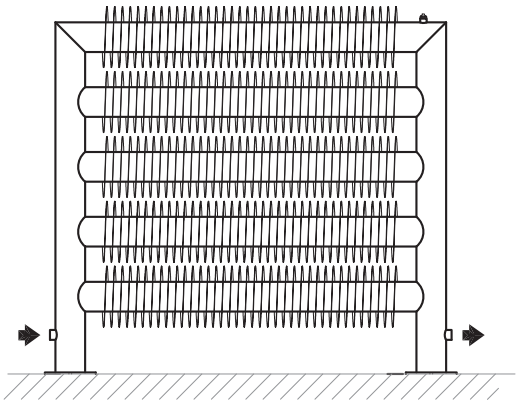


thread G3/4"

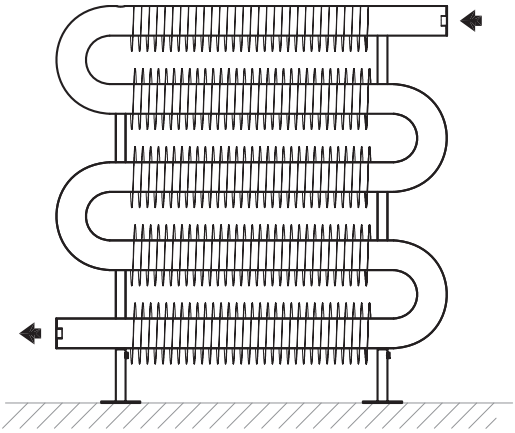


thread G1"

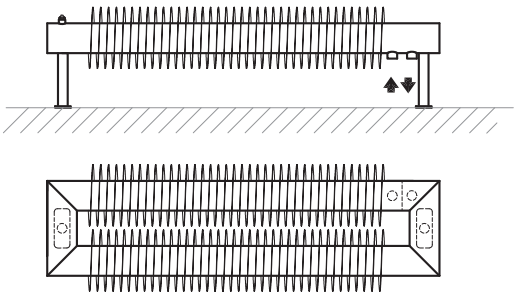
Next atypical designs of radiators



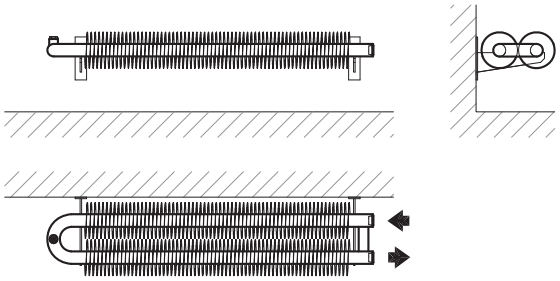
RAT5 76/156 SELF-STANDING



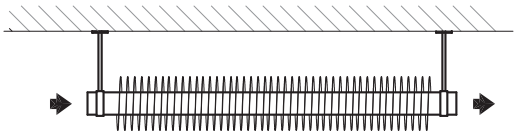
RAO5 57/137 ON THE FLOOR



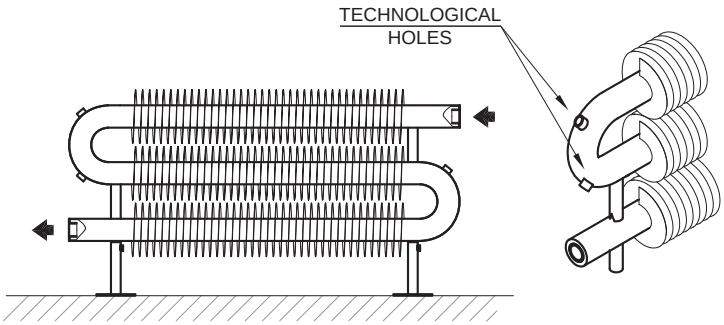
RAT2 76/156 TO THE FLOOR HORIZONTALLY



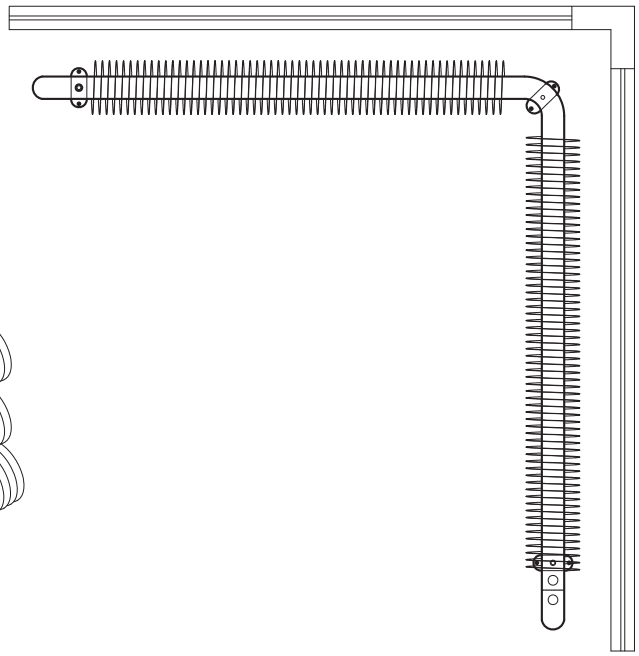
RAO2 32/92 TO THE WALL HORIZONTALLY



RA1 57/137 UNDER CEILING



RAO3 57/137 ON THE FLOOR – GALVANIZED



RAO2 57/137 TO THE FLOOR – BROKEN LINE SHAPE

How to order Spiralix radiators

Radiator code example

Radiator code example:
Z T 2 0 3 2 1 0 0 0 W - 0 1 -

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Z	**T**	**2**	**0**	**3**	**2**	**1**	**0**	**0**	**0**	**W**	**-**	**0**	**1**	**-**
Spiralix TYPE			TUBE DIAMETER [MM]			LENGTH [MM]				MOUNTING	DESIGN	COLOUR CODE		ATYPICAL

Order → RAT2 Spiralix finned tube radiator 32x92, length 1000 mm, wall-mounted, for connection to the central heating system

Code explanatory notes

Position 1, 2, 3 - Spiralix type		
Spiralix	e.g. ZT2	**Z-1** model RA1 single-strand Spiralix **ZT2** model RAT2 two-strand Spiralix, angular shape three- **ZT3** model RAT3 strand Spiralix, angular shape two-strand **ZO2** model RAO2 Spiralix, with elbow three-strand Spiralix, with **ZO3** model RAO3 elbows
Spiralix WITHOUT FINS	e.g. HO2	**H-1** model HRA1 single-strand Spiralix without fins **HT2** model HRAT2 two-strand Spiralix without fins, angular shape **HT3** model HRAT3 three-strand Spiralix without fins, angular shape **HO2** model HRAO2 two-strand Spiralix without fins, with elbow model **HO3** HRAO3 three-strand Spiralix without fins, with elbows
Spiralix ELECTRO	e.g. ZO2	**Z-1** model RA1 single-strand Spiralix **ZT2** model RAT2 two-strand Spiralix, angular shape **ZO2** model RAO2 two-strand Spiralix, with elbow
Position 4, 5, 6 - Tube diameter		
Spiralix WITHOUT FINS	e.g. 076	**032, 057, 076, 089, 108** mm - diameter of pipes, standard and galvanized models **032, 057, 076** - diameter of pipes, stainless steel models
Spiralix ELECTRO	e.g. 057	**057, 076** mm - diameter of pipe
Position 7, 8, 9, 10 - Length (horizontal models), height (vertical models)		
Spiralix Spiralix WITHOUT FINS	e.g. 1200	Horizontal models **500, 600, 700……, 3000** mm in step 100 mm **3200, 3400, 3600, …, 6000** mm in step 200 mm Vertical models **500, 600, 700, …, 2500** mm in step 100 mm
Spiralix ELECTRO	e.g. 2000	Horizontal models **500, 750, 1000, 1250, 1500, 1750, 2000** mm Vertical models **500, 750, 1000, 1250, 1500, 1750, 2000** mm
Position 11 - Mounting		
Spiralix WITHOUT FINS Spiralix ELECTRO	e.g. W	Horizontal models **F** floor mounting on stands (all models) **S** floor mounting, self-standing variant of Spiralix only RAT1, RAT2, RAT3 (not available for Electro models) **W** wall mounting on brackets (all models) Vertical models **V** wall mounting in vertical position (all models) **B** RAO3, HRAO3 - vertical mounting on the wall, LEFT **D** RAO3, HRAO3 - vertical mounting on the wall, RIGHT
Position 12 - Design		
Spiralix WITHOUT FINS	e.g. -	**-** standard connection to the hot water heating system with forced circulation
Spiralix ELECTRO	e.g.	**Z** **Z-heating rod**, electrical connection without regulator **M** **Mini PW controller**, electrical connection with the Mini PW controller **P** **Vision controller**, electrical connection with the Vision controller, Gateway is included in the delivery, suitable for vertical models **E** **Nexus system** - electrical connection with various regulators - select and separately order a **Solo, Rio, Rio Wi-Fi, Neo** or **Neo Wi-Fi** controller (see pages 15-16) - version Neo and Neo Wi-Fi suitable for vertical versions
Position 13, 14 - Colour code		
Spiralix WITHOUT FINS Spiralix ELECTRO	e.g. 01	**01** standard colour RAL9016, snow white **XX** see Laurens colour chart at the page 38 (e.g. code 72 - colour S13, sandstone, texture) **81** stainless steel (available only for Spiralix and Spiralix without fins Ø32, Ø57 and Ø76 mm) **99** other colour options, (outside the Laurens palette)
Position 15 - Atypical		
		- standard design **N** atypical radiator

Colour Reference Chart

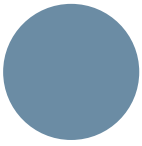
colour series **RAL 9016**
shade snow/traffic white
finish -
extra charge -
order code 01

colour series **S31**
shade champagne
finish metallic
extra charge ✓
order code 25

colour series **S27**
shade khaki
finish texture
extra charge ✓
order code 21

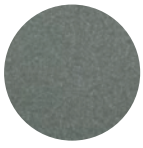
colour series **RAL 3002**
shade fiery red
finish -
extra charge ✓
order code 08

colour series **S28**
shade gold olive
finish texture
extra charge ✓
order code 22



colour series **RAL 5014**
shade pigeon blue
finish -
extra charge ✓
order code 07

colour series **S03**
shade copper
finish metallic
extra charge ✓
order code 62



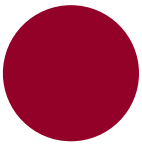
colour series **S05**
shade silver
finish metallic
extra charge ✓
order code 64

colour series **S35**
shade cinnamon
finish texture
extra charge ✓
order code 29

colour series **S09**
shade snow white
finish texture
extra charge ✓
order code 68

colour series **RAL 9018**
shade papyrus white
finish -
extra charge ✓
order code 14

colour series **S36**
shade antique gold
finish metallic
extra charge ✓
order code 48



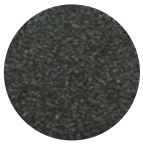
colour series **S34**
shade ruby
finish -
extra charge ✓
order code 28

colour series **RAL 6021**
shade linden green
finish -
extra charge ✓
order code 06

colour series **S30**
shade sapphire
finish texture
extra charge ✓
order code 24

colour series **S19**
shade brass
finish metallic
extra charge ✓
order code 83

colour series **S37**
shade light grey
finish texture
extra charge ✓
order code 49



colour series **S10**
shade slate
finish texture
extra charge ✓
order code 69

colour series **RAL 9001**
shade ivory/cream
finish -
extra charge ✓
order code 04

colour series **S08**
shade ivory
finish texture
extra charge ✓
order code 67

colour series **S32**
shade pink coral
finish texture
extra charge ✓
order code 26

colour series **S13**
shade sandstone
finish texture
extra charge ✓
order code 72

colour series **S29**
shade aquamarine
finish metallic
extra charge ✓
order code 23

colour series **S33**
shade lava ash
finish texture
extra charge ✓
order code 27

colour series **S38**
shade dark grey
finish texture
extra charge ✓
order code 50

colour series **S02**
shade anthracite
finish metallic
extra charge ✓
order code 61

colour series **RAL 9005**
shade black
finish -
extra charge ✓
order code 19

colour series **S40**
shade black velvet
finish matt
extra charge ✓
order code 51

Other surcharges
- other K7 CLASSIC chart colours
- anti-corrosion finish

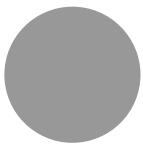
Surface treatment

colour series **galvanized**
order code 90

colour series **inox**
order code 81

Special treatment

colour series **S41**
shade white
finish antibacterial*
extra charge ✓
order code 88



colour series **S20**
shade transparent paint
finish transparent paint
extra charge ✓
order code 84

*A silver-ion antibacterial finish provides protection against a wide range of bacteria and mildew.


DENMARK

LAURENS
radiatoren & retro sanitair

Laurens Benelux bvba

Borgveld 2
3940 Hechtel-Eksel
België

Telefoon + 32 11 55 57 76
E-mail: benelux@laurensint.com
www.laurens-radiatoren.com

Laurens Radiatoren Nederland
Rijksstraatweg 241
3956 CN Leersum, Nederland
+31 343 460 782