SPIRAL 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 spiral 10 mm ∅ 57 × 2,5 × ∅ 137 mm, lead of spiral 18 mm ∅ 76 × 2,5 × ∅ 156 mm, lead of spiral 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 spiral 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

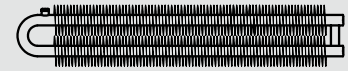
CODE EXAMPLE

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

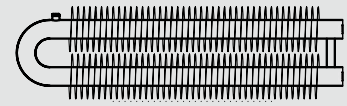
Ordering, see the page 22

BASIC TYPES

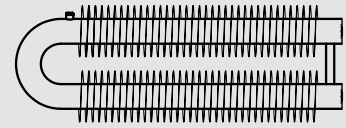
ø32x2,0xø92 mm



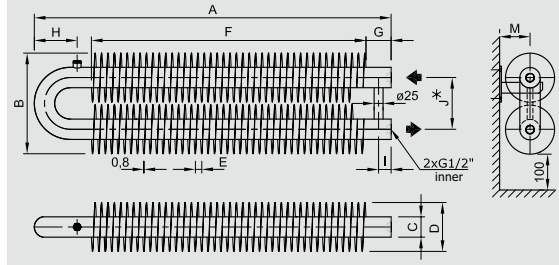
ø57x2,5xø137 mm



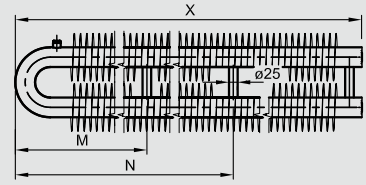
ø76x2,5xø156 mm



SKETCH



SUPPORTING ELEMENTS



RAO2-W (∅ 32 mm)

length of spiral 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 spiral 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