

SPIRAL RAT2-W | WALL-MOUNTED VERSION



TECHNICAL INFORMATION

Material	Standard:	steel tubes with air-relief valve G 3/8" Ø 32 × 2,0 × Ø 92 mm, lead of spiral 10 mm Ø 57 × 2,5 × Ø 137 mm, lead of spiral 18 mm Ø 76 × 2,5 × Ø 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

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

Note: Ø 32 × 2,0 × Ø 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
Ø 32×2,0×Ø 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
Ø57×2,5×Ø137 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
Ø76×2,5×Ø156 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
Ø 32×2,0×Ø 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
Ø57×2,5×Ø137 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
Ø76×2,5×Ø156 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

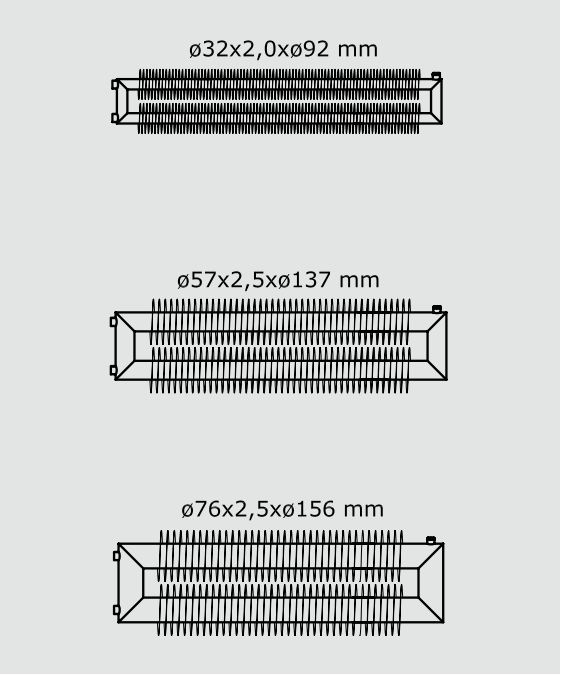
Note: Radiator weight without heating fluid

CODE EXAMPLE

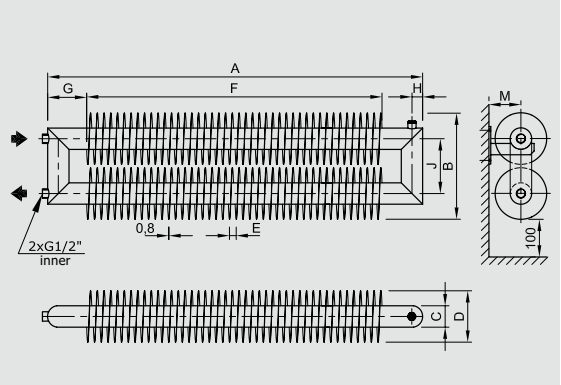
ZRAT2	57	137	100	W	01
SPIRAL type	Ø tube [mm]	Ø winding [mm]	length [cm]	on the wall	colour code

Ordering, see the page 22

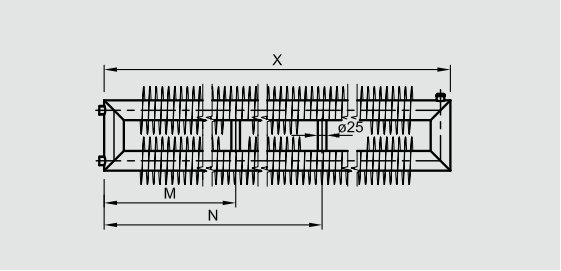
BASIC TYPES



SKETCH



SUPPORTING ELEMENTS



RAT2-W (Ø 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

RAT2-W (Ø 57 mm a Ø 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