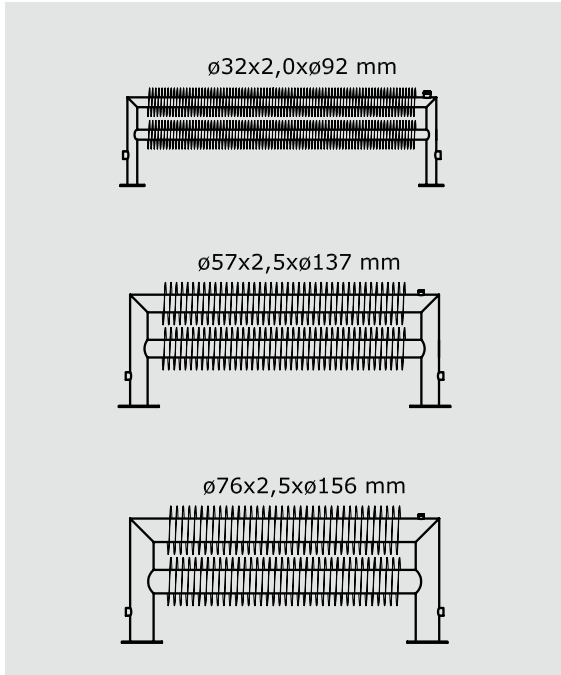
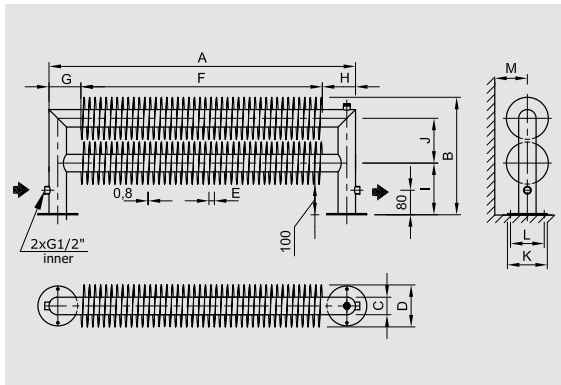




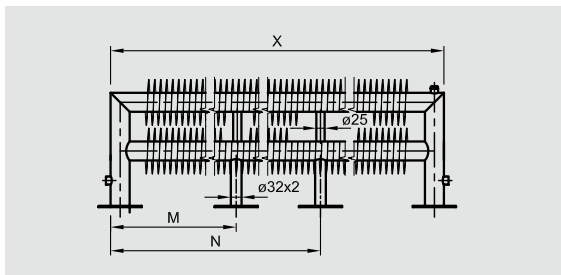
## BASIC TYPES



## SKETCH



## SUPPORTING ELEMENTS



### RAT2-S (ø 32 mm)

length of spiral 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 (ø 57 mm a ø 76 mm)

length of spiral 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

<b>Material</b>	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
<b>Connection threads</b>	inner G1/2"	
<b>Lengths</b>	500 mm - 6 000 mm (with step of 100 mm)	
<b>Operating conditions</b>	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.	
<b>Colour</b>	snow white RAL 9016, white RAL 9010; colours based on the RAL colour card (extra charge)	
<b>Atypical design options</b>	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 - S	Dimensions [mm]												
	A	B	C	D	E	F	G	H	I	J	K	L	M
ø 32 × 2,0 × ø 92 mm	500-6000	297	32	92	10	A-130	65	16	146	105	76	56	≥60
ø 57 × 2,5 × ø 137 mm	500-6000	383	57	137	18	A-220	110	28	169	146	130	110	≥85
ø 76 × 2,5 × ø 156 mm	500-6000	422	76	156	20	A-240	120	38	178	166	130	110	≥95

Note: ø 32 × 2,0 × ø 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
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
ø 57×2,5×ø 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
ø 76×2,5×ø 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
ø 32×2,0×ø 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
ø 57×2,5×ø 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
ø 76×2,5×ø 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
SPIRAL type	ø tube [mm]	ø winding [mm]	length [cm]	self-standing	colour code

Ordering, see the page 22