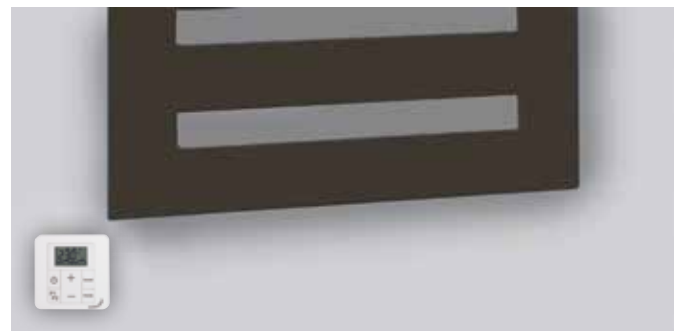
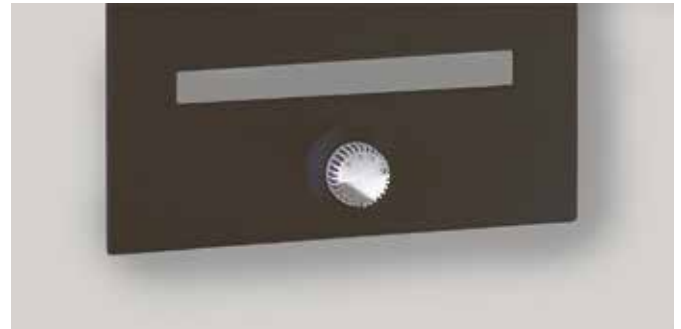


Zehnder Metropolitan Spa



Radiator colour: Brown Quartz



Operation on hot water central heating system

Zehnder Metropolitan Spa decorative radiator for use as a bathroom and towel radiator. Flat-looking radiator with recessed slots, made from horizontally arranged flat tubes 70 x 8 mm, which are connected with a surrounding triangular profile frame without visible welded joints. With one or more openings (depending on height) for hanging towels. Thermal output to EN 442, with CE marking. With 4 connections at bottom, 2 x central 1/2" for flow/return, spacing 50 mm and 2 x 1/2", outside left and right, with directional air vent.

Connections for Completo version: Flow/return 2 x 3/4" external thread at the back, centred 50 mm spacing, including valve and thermostat integrated into front panel.

Connections for dual energy operation: Flow/return 2 x 1/2" at bottom centre, spacing 50 mm and factory covered integrated electric heating element RACY-S, bottom right, with separate remote control device model 2.

Radiator with powder coating, in colour RAL 9016 as standard, in special colour on request. Delivered ready to install with matching wall brackets and packaging.

Electric operation

Zehnder Metropolitan Spa decorative radiator, electric-only, for use as a bathroom and towel radiator. Flat-looking radiator with recessed slots, made from horizontally arranged flat tubes 70 x 8 mm, which are connected with a surrounding triangular profile frame without visible welded joints. With one or more openings (depending on height) for hanging towels.

Electric heating element RACY-S integrated elegantly in the frame profile, with connection cable (1,2m), with Euro plug. Installation at bottom right. Dry-running protection against operation without sufficient heat transfer fluid, degree of protection IP44 (splash-proof), for mains power supply of 230 V. Separate, battery-operated remote control device model 2 for controlling the room temperature.

Standard version with powder coating, in colour RAL 9016, in special colour on request. Filled with heat transfer fluid. Delivered ready to install with elegant wall brackets.

Operating pressure	max. 4,0 bar
Hot water central heating system operating temperature	max. 110°C
Dual energy operation operating temperature (model METM)	max. 95°C
Height mm
Length mm
Model

Output Watt
Height mm
Length mm
Model

Benefits

- Innovative radiator with flat design
- Clean look due to innovative welding technology
- Ideal towel hanging through large cut-out(s)
- Individually positionable designer towel hook
- Elegant solutions for valve integration on request
- Dual energy operation: electric heating element RACY-S integrated elegantly
- Side connections for easy replacement of old DIN standard radiators on request

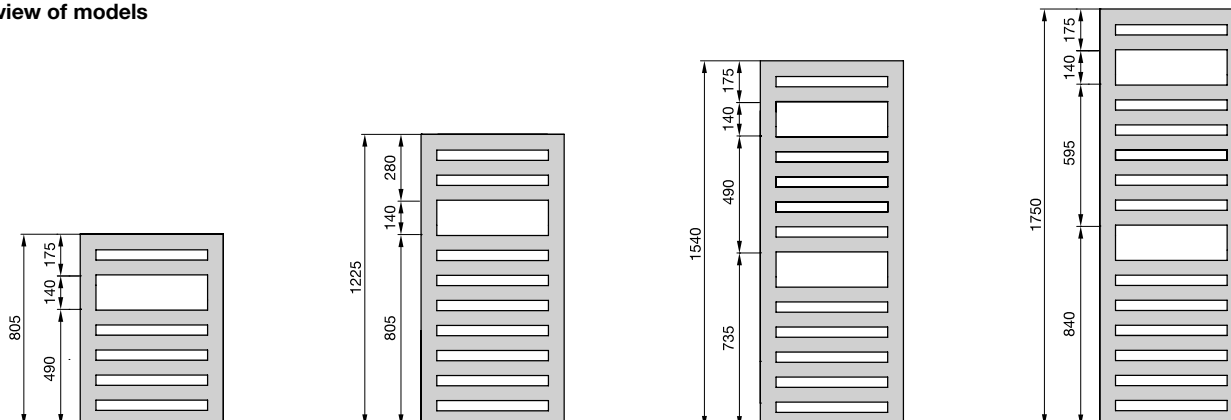
Special benefits for electric operation with RACY-S

- Remote control device can be positioned as required
- Regulated room temperature
- Comfortable operation as needed by customisable daily and weekly programmes
- Energy-efficient and comfortable heating via innovative open window detection
- Low energy consumption in stand-by mode (≤ 0,5 W)
- Keylock can be activated as required
- Timer function for up to 2 hours
- Ready-to-plug

Zehnder Metropolitan Spa



Overview of models



Connection to hot water central heating system

Painted version

Model	H ^① mm	L mm	Thermal output				Exp. n	Classification Electric heating element Watt	V dm ³	M kg	Price RAL 9016 €	Price ^① Cat. 1 €
			EN 442 ^③ W	70/55/24 W	55/45/24 W	55/45/20 W						
MET-080-040	805	400	327	233	143	171	1,25	-	3,5	6,5	708,23	885,28
MET-120-040	1225	400	474	337	206	247	1,26	-	4,8	9,8	785,05	981,32
MET-150-040	1540	400	582	414	252	303	1,26	-	5,4	11,5	928,37	1.160,46
MET-180-040	1750	400	654	466	285	343	1,25	-	6,5	13,7	1.037,60	1.297,01
MET-080-050	805	500	388	276	168	202	1,26	-	3,8	7,8	721,90	902,38
MET-120-050	1225	500	561	399	243	293	1,26	-	5,2	11,7	802,11	1.002,65
MET-150-050	1540	500	690	489	297	358	1,27	-	5,9	13,5	947,15	1.183,95
MET-180-050	1750	500	775	551	336	404	1,26	-	7,3	16,3	1.059,80	1.324,76
MET-080-060	805	600	445	315	192	231	1,27	-	4,2	9,1	745,81	932,26
MET-120-060	1225	600	645	457	278	335	1,27	-	5,7	13,5	827,70	1.034,62
MET-150-060	1540	600	792	560	339	409	1,28	-	6,5	15,6	976,16	1.220,20
MET-180-060	1750	600	889	630	383	461	1,27	-	8,0	19,0	1.092,23	1.365,29

Connection for dual energy operation with integrated electric heating element¹⁾



Painted version

Model	H mm	L mm	Thermal output				Exp. n	Classification Electric heating element Watt	V dm ³	M kg	Price RAL 9016 €	Price ^① Cat. 1 €
			EN 442 ^③ W	70/55/24 W	55/45/24 W	55/45/20 W						
METM-120-050/GD	1225	500	561	399	243	293	1,26	500	5,1	12,2	1.305,76	1.501,63
METM-150-050/GD	1540	500	690	489	297	358	1,27	600	5,8	14,0	1.462,72	1.682,12
METM-180-050/GD	1750	500	775	551	336	404	1,26	750	7,1	16,8	1.566,21	1.801,15
METM-180-060/GD	1750	600	889	630	383	461	1,27	900	7,8	19,5	1.614,51	1.856,70

¹⁾ Maximum operating pressure for dual energy operation is 4 bar

^① For special colours in categories 1 and 2, see “Special solutions” and “Colour chart”

^③ Thermal output to EN 442, ΔT 50 K (75/65/20°C)

^④ For Completto version (with integrated valve), note greater height; total height H_t = H + 175 mm

For legend, see “Electric operation and Ecodesign Directive” on page 173

Zehnder Metropolitan Spa

Electric-only operation



Painted version

Model	H mm	L mm	Classification Electric heating element Watt	Price	Price ^①
				RAL 9016 €	Cat. 1 €
METE-080-040/GD	805	400	300	1.174,13	1.350,25
METE-150-040/GD	1540	400	500	1.443,76	1.660,33
METE-180-040/GD	1750	400	600	1.546,17	1.778,10
METE-120-050/GD	1225	500	500	1.315,78	1.513,14
METE-150-050/GD	1540	500	600	1.474,48	1.695,65
METE-180-050/GD	1750	500	750	1.578,62	1.815,40
METE-180-060/GD	1750	600	900	1.628,04	1.872,26

① For special colours in categories 1 and 2, see "Special solutions" and "Colour chart"

For legend, see "Electric operation and Ecodesign Directive" on page 173

Standard scope of delivery for operation on hot water central heating system

- Powder coating to DIN 55900, RAL 9016
- 4 x ½" connections for flow, return
- Completo: Pre-adjustable valve AV 9, chrome thermostat, connections: 2 x ¾" external thread (at the back)
- Dual energy operation: Electric heating element RACY-S, pre-assembled on the right, with remote control device, incl. batteries, selectable operating modes: manual (above room temperature), weekly programme, timer, off
- ½" chrome directional air vent
- Mounting accessories in colour of radiator
- Packaging

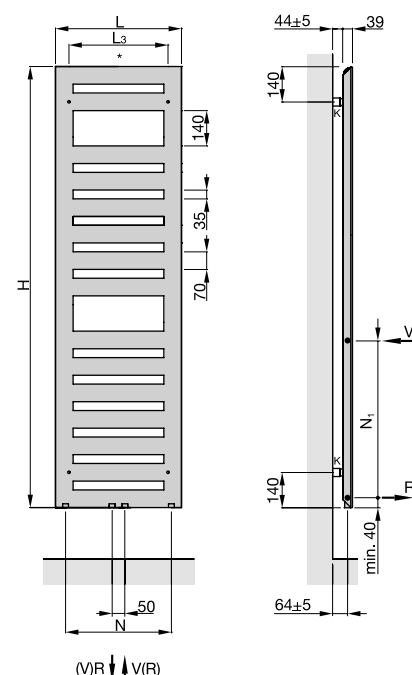
Standard scope of delivery for electric operation

- Powder coating to DIN 55900, RAL 9016
- Filled with heat transfer fluid
- Electric heating element RACY-S with remote control device, incl. batteries, with selectable operating modes: manual (above room temperature), weekly programme, timer, off
- Mounting accessories in colour of radiator, with Technoline in RAL 7013 (brown-grey)
- Packaging

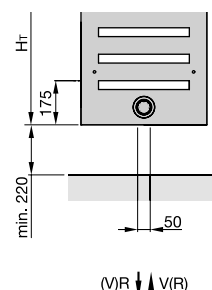
Special solution on request (surcharge)	Article number	Price €
■ Special finish to category 2 (surcharge on cat. 1)	M100011640	146,76
■ Special finish in Technoline (surcharge on cat. 1)	See colour chart	As in Cat. 2
■ Surface in metal look: stainless-steel look (reduced output approx. 8%)	M100012332	As in Cat. 1
■ Integrated valve including thermostat; note greater height (H _T = H + 175 mm, see drawing)	-	352,38
■ Side connection (both left or right); any connection size	-	186,33
■ Towel hook, for attaching, set of 2, chrome	480438	57,04
■ Towel rail for hanging towels on the side, for radiators of length 400, chrome	468038	156,06
■ Towel rail for hanging towels on the side, for radiators of length 500, chrome	468048	156,06
■ Towel rail for hanging towels, for radiators of length 600, chrome	468058	156,06
■ Towel rail for hanging towels, for radiators of length 900, chrome	468078	186,16
■ Zehnder thermostat SH, M 30 x 1,5, white or chrome	-	See page 164
■ Zehnder valves, lockshield valves and connection fittings	-	See p. 165 onwards

Operation on hot water central heating system:

Wall mounting

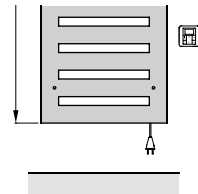


Integrated valve (Completo)¹⁾
Detailed view

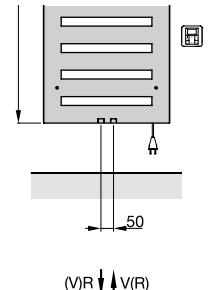


- H = Height
- L = Length
- L₃ = Fixing dimension, L - 106 mm
- K = Bracket
- V = Flow ½"
- R = Return ½"
- * = Venting ½"

Electric operation:
Detailed view



Dual energy operation:
Detailed view



- N = Connection centre, L - 80 mm
- N₁ = Connection centre for side connection
- H_T = Total height, H + 175 mm

Dimensions in mm

- 1) Without internal by-pass for single-tube operation, not possible with dual energy operation
- 2) Distance from bottom edge of radiator to middle of connection