



Europe line

TUBULAR HEATING ELEMENTS



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Tubular heating element type Rhein

Used material:

vertical profile – straight tube, diameter 28 x 1,2 mm
horizontal profile – straight tube, diameter 22 x 1,2 mm

Standard structural dimensions:

L: 450, 600, 750mm
H: 780, 1180, 1500, 1820 mm

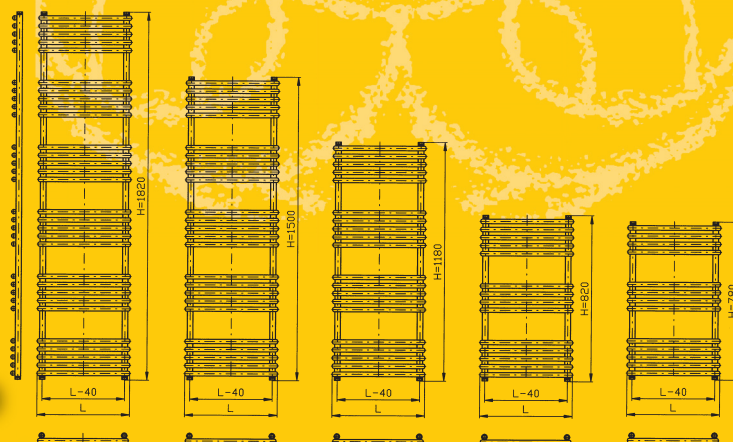
Standard structural depth:

78 - 90mm (plastic brackets), 93 - 108 mm (metal brackets)

Connection thread: 4 x G1/2" internal

Used fixing brackets:

plastic brackets Universal
metal holder for extra payment (optional)



Heater power Q[W] for heat-transfer substance water according to DIN EN 442

Type description	Height H [mm]	Length L [mm]	Thread pitch [mm]	t ₁ /t ₂ [°C]	Q[W] for t _j [°C]	Thermal exponent n [-]	Water volume n [l]	Rec. Radiator input power [W]
R 450/780	780	450	410	75/65/20	298	1.2311	2.4	300
R 600/780		600	560	75/65/20	382	1.2152	2.9	300
R 750/780		750	710	75/65/20	462	1.1992	3.4	400
R 450/1180	1180	450	410	75/65/20	448	1.2089	3.6	400
R 600/1180		600	560	75/65/20	573	1.1933	4.4	500
R 750/1180		750	710	75/65/20	693	1.1776	5.1	600
R 450/1500	1500	450	410	75/65/20	568	1.2380	4.5	500
R 600/1500		600	560	75/65/20	727	1.2219	5.5	600
R 750/1500		750	710	75/65/20	879	1.2059	6.4	800
R 450/1820	1820	450	410	75/65/20	690	1.2380	5.1	600
R 600/1820		600	560	75/65/20	882	1.2219	6.2	800
R 750/1820		750	710	75/65/20	1068	1.2059	7.4	900

The heating performance data applies to one-side connection of top-down

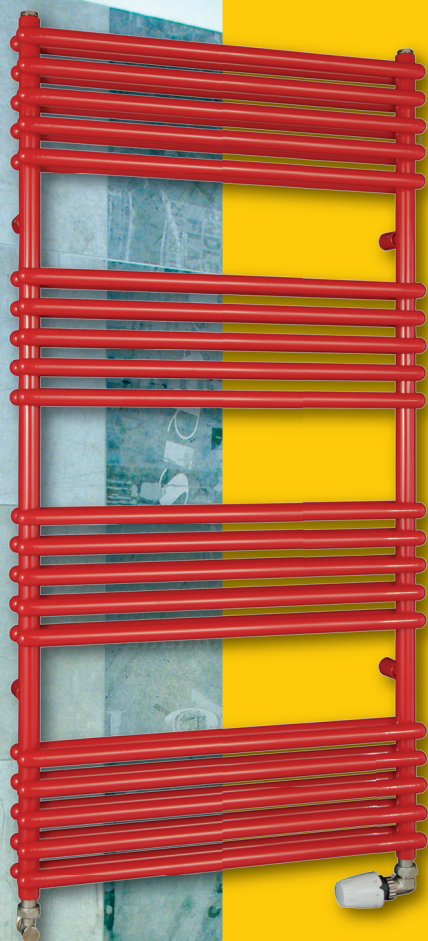
Applies to all tubular elements types

Product description:

Bathroom (tubular towel rail) radiators are tubular heating elements a new generation designed for heating of bathrooms, corridors, toilets, kitchen nooks, fitness centres etc. They also serve for drying towels, dish-clothes and other textiles that can be hang up on the heating element.

Use of the product:

Bathroom radiators are designed for heating systems in individual houses and in residential buildings in which is normally used finished water or other heat-transfer medium for maximum working temperature of 110°C namely ether with forced circulation or gravity circulation for working pressure p=1,0 MPa.



Tubular heating element type Seina

Used material:

vertical profile – straight tube, diameter 28x1,2 mm
horizontal profile – double-sided straight tube,
diameter 22x1,2mm

Standard structural dimensions:

L: 450, 600, 750 mm

H: 780, 1180, 1500, 1820 mm

Standard structural depth:

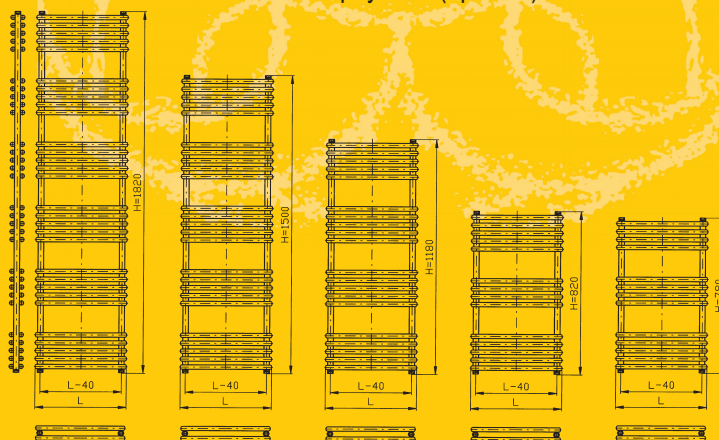
124-134 mm (plastic brackets), 117-132 mm (metal brackets)

Connection thread: 4 x G1/2" internal

Used fixing brackets:

plastic brackets Universal

metal holder for extra payment (optional)





Tubular heating element type Donau

Used material:

vertical profile – straight tube, diameter 28x1,2 mm
horizontal profile – straight tube, diameter 22x1,2 mm
central connection (50mm)

Standard structural dimensions:

L: 450, 600, 750mm
H: 780, 1180, 1500, 1820 mm

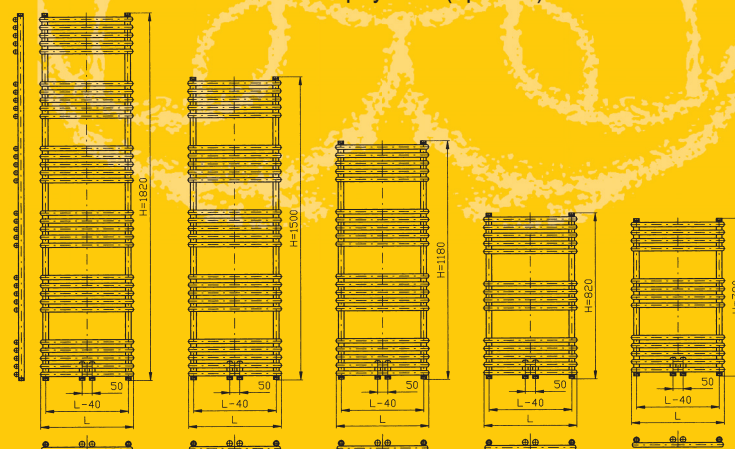
Standard structural depth:

78 - 90mm (plastic brackets), 93 - 108 mm (metal brackets)

Connection thread: 6 x G1/2" internal

Used fixing brackets:

plastic brackets Universal
metal holder for extra payment (optional)



Heater power Q[W] for heat-transfer substance water according to DIN EN 442

Type description	Height H [mm]	Length L [mm]	Thread pitch [mm]	t ₁ /t ₂ [°C]	Q[W] for t _j [°C]	Thermal exponent n [-]	Water volume n [l]	Rec. Radiator input power [W]
R 450/780 SP	780	450	410	75/65/20	266	1.2311	2.4	300
R 600/780 SP		600	560	75/65/20	341	1.2152	2.9	300
R 750/780 SP		750	710	75/65/20	412	1.1992	3.4	400
R 450/1180 SP	1180	450	410	75/65/20	400	1.2089	3.6	400
R 600/1180 SP		600	560	75/65/20	511	1.1933	4.4	500
R 750/1180 SP		750	710	75/65/20	618	1.1776	5.1	600
R 450/1500 SP	1500	450	410	75/65/20	507	1.2380	4.5	500
R 600/1500 SP		600	560	75/65/20	648	1.2219	5.5	600
R 750/1500 SP		750	710	75/65/20	784	1.2059	6.4	800
R 450/1820 SP	1820	450	410	75/65/20	615	1.2380	5.1	600
R 600/1820 SP		600	560	75/65/20	787	1.2219	6.2	800
R 750/1820SP		750	710	75/65/20	953	1.2059	7.4	900

The heating performance data applies to one-side connection of top-down

Applies to all tubular elements types

Characteristic data :

Connecting thread	G1/2" (internal)
Test pressure	p= 1,5 MPa
Working pressure	p= 1,0 MPa

Electric heating elements

These radiators without Main and Wisla can be use for direct self- heating. Can be used as the basis for any mentioned of the heating element and it must be attached to an electrical rod with electrical output which corresponding to a maximum of 70% of heating power at heating conditions 90/70/20. As heat transfer medium serve anticorrosion liquid with the freezing point -5°C.

Type of electric heating rods: 1373/XXheating rod with temperature limiter of radiators liquid (shielding IP64)
Electrical heating elements can be placed in bathrooms in zones 1,2,3.

Order example :- eletrical bathroom heating element, type RO600/1500 filled with liquid with the freezing point - 5°C furnished with heating rod 500W of power with room thermostat TZ 33 or TZ 63 placed on wall plug



Tubular heating element type Elbe

Used material:

vertical profile – straight tube, diameter 28x1,2 mm
horizontal profile – curved tube, diameter 22x1,2 mm

Standard structural dimensions:

L: 450, 600, 750mm

H: 780, 1180, 1500, 1820 mm

Standard structural depth:

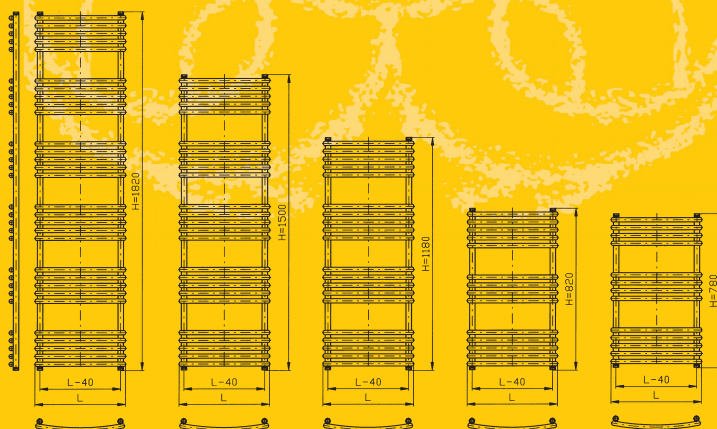
90-148 mm (plastic brackets), 109-160 mm (metal brackets)

Connection thread: 4 x G1/2" internal

Used fixing brackets:

plastic brackets Universal

metal holder for extra payment (optional)



Heater power Q[W] for heat-transfer substance water according to DIN EN 442

Type description	Height H [mm]	Length L [mm]	Thread pitch [mm]	t ₁ /t ₂ [°C]	Q[W] for t _j [°C]	Thermal exponent n [-]	Water volume n [l]	Rec. Radiator input power [W]
RO 450/780	780	450	410	75/65/20	298	1.2311	2.4	300
RO 600/780		600	560	75/65/20	382	1.2152	2.9	300
RO 750/780		750	710	75/65/20	462	1.1992	3.4	400
RO 450/1180	1180	450	410	75/65/20	448	1.2089	3.6	400
RO 600/1180		600	560	75/65/20	573	1.1933	4.4	500
RO 750/1180		750	710	75/65/20	693	1.1776	5.1	600
RO 450/1500	1500	450	410	75/65/20	568	1.2380	4.5	500
RO 600/1500		600	560	75/65/20	727	1.2219	5.5	600
RO 750/1500		750	710	75/65/20	879	1.2059	6.4	800
RO 450/1820	1820	450	410	75/65/20	690	1.2380	5.1	600
RO 600/1820		600	560	75/65/20	882	1.2219	6.2	800
RO 750/1820		750	710	75/65/20	1068	1.2059	7.4	900

The heating performance data applies to one-side connection of top-down

Applies to all tubular elements types

Fixing of heating elements

All Types tubular heating elements are delivered standard included plastic holders , metal holders are delivered on request for extra payment

All types of fixture sets include:

- respective mounting brackets (consoles)
- all connections pieces, included fixing set and washers
- ventill set for venting of radiators

For drilling the wall shall be used drill 10 mm. To heating elements which are produced in other colour than white RAL 9016 are supplied standard metal mounting brackets in the same colours as radiator.



Tubular heating element type Main

Used material:

vertical profile – straight tube, diameter 22x1,2 mm
horizontal profile – straight tube 28x1,2 mm

Standard structural dimensions:

L: 260, 420, 580, 740 mm

H: 1600, 1800, 2000 mm

Standard structural depth:

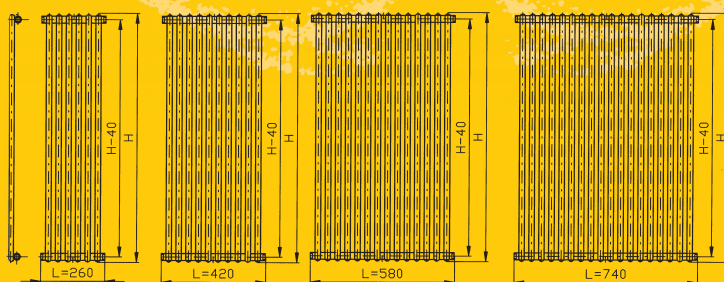
78-90mm (plastic brackets), 93-108mm (metal brackets)

Connection thread: 4 x G1/2" internal

Used fixing brackets:

plastic brackets Universal

metal holder for extra payment (optional)



Heater power Q[W] for heat-transfer substance water according to DIN EN 442

Type description	Height H [mm]	Length L [mm]	Thread pitch [mm]	t ₁ /t ₂ [°C]	Q[W] for t _j [°C]	Thermal exponent n [-]	Water volume n [l]
RV 260/1600	1600	260	1560	75/65/20	424	1.2523	2.8
RV 420/1600		420	1560	75/65/20	707	1.2523	4.6
RV 560/1600		560	1560	75/65/20	989	1.2523	6.4
RV 740/1600		740	1560	75/65/20	1272	1.2523	8.3
RV 260/1800	1800	260	1760	75/65/20	474	1.2523	3.1
RV 420/1800		420	1760	75/65/20	790	1.2523	5.1
RV 560/1800		560	1760	75/65/20	1106	1.2523	7.2
RV 740/1800		740	1760	75/65/20	1422	1.2523	9.2
RV 260/2000	2000	260	1960	75/65/20	524	1.2523	3.4
RV 420/2000		420	1960	75/65/20	873	1.2523	5.6
RV 560/2000		560	1960	75/65/20	1222	1.2523	7.9
RV 740/2000		740	1960	75/65/20	1572	1.2523	10.1

The heating performance data applies to one-side connection of top-down

Applies to all tubular elements types

Combined heating

All the above mentioned tubular heating elements without types Main and Wisla connected to the heating system can be complete an electric heating rod 1373/XX. This results in a radiator which can then be used at any time independently on the operation of the rest of the heating system. The recommended heat outputs are presented in the output tables of individual types.

Type of electric heating rods: 1373/XXheating rod with temperature limiter of radiators water

So equipped heating element can be placed in bathrooms in zones 1,2,3 (i.e. next to sink, bath and shower corner)



Tubular heating element type Wisla

Used material:

vertical profile – double-sided straight tube,
diameter 22x1,2 mm

horizontal profile – straight tube 28x1,2 mm

Standard structural dimensions:

L: 260, 420, 580, 740 mm

H: 1600, 1800, 2000 mm

Standard structural depth:

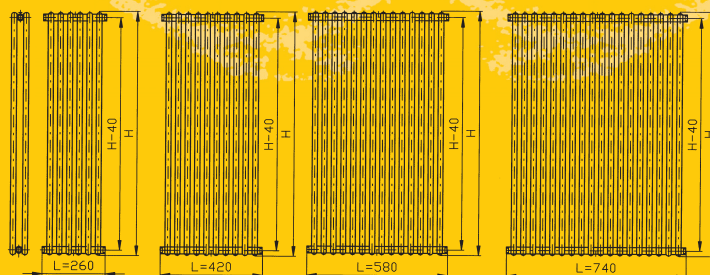
128-137mm (plastic brackets), 124-134 mm (metal brackets)

Connection thread: 4 x G1/2" internal

Used fixing brackets:

plastic brackets Universal

metal holder for extra payment (optional)



Heater power Q[W] for heat-transfer substance water according to DIN EN 442

Type description	Height H [mm]	Length L [mm]	Thread pitch [mm]	t_1/t_2 [°C]	Q[W] for t_j [°C]	Thermal exponent n [-]	Water volume n [l]
RVD 260/1600	1600	260	1560	75/65/20	667	1.2523	5.3
RVD 420/1600		420	1560	75/65/20	1111	1.2523	8.8
RVD 560/1600		560	1560	75/65/20	1555	1.2523	12.2
RVD 740/1600		740	1560	75/65/20	2000	1.2523	15.7
RVD 260/1800	1800	260	1760	75/65/20	748	1.2523	5.9
RVD 420/1800		420	1760	75/65/20	1246	1.2523	9.8
RVD 560/1800		560	1760	75/65/20	1745	1.2523	13.7
RVD 740/1800		740	1760	75/65/20	2243	1.2523	17.6
RVD 260/2000	2000	260	1960	75/65/20	829	1.2523	6.5
RVD 420/2000		420	1960	75/65/20	1381	1.2523	10.8
RVD 560/2000		560	1960	75/65/20	1934	1.2523	15.1
RVD 740/2000		740	1960	75/65/20	2486	1.2523	19.4

The heating performance data applies to one-side connection of top-down

Applies to all tubular elements types

Surface finish:

since the start of February 2010 are all produced heating elements finished with KTL surface technology. This technology is applied in four steps:

1. blasting of heating element
2. rinsing, removing of grease and layer of iron phosphate
3. applying the basic color with KLT technology and burning in the oven
4. applying of coating paint –epoxypolyester powder applied in the field of electrokinetic, the powder is burned in oven

Used technology ensures better mechanical and corrosion resistance, smooth and shiny surface.

All procedure is done in compliance with max. respect for the environment.

We are preparing this type of radiators
(will be available within a short time)



EN 442

ČESKÉ VÝROBKY

thermal trend

QUALITY THROUGH INNOVATION

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