



# RADIK



steel panel radiators





The RADIK 06/2019 catalogue  
replaces all previous issues.

The new plant KORADO, a.s. is with its technological equipment and organizational structure the most modern factory for the production of radiators in Europe.

Its modern and sophisticated set-up in the area of 30 000 m<sup>2</sup> enables further increases of production capacity whenever needed. The choice of all technology was driven by the maximum effort to ensure environment protection inside the factory as well as in its surroundings.

KORADO, a.s. is the holder of the ISO 9001 quality certificate.



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Bří Hubálků 869, 560 02 Česká Třebová,  
Czech Republic



## RADIK KLASIK

- with right or left side connection  
(see page 18)



## RADIK KLASIK - R

- for a quick replacement of an old sectional radiator  
(see page 19)



## RADIK KLASIK - Z

- zinc-coated radiator
- with side connection  
(see page 22)



## RADIK VK

- with bottom right connection  
(see page 23)



## RADIK VK - Z

- zinc-coated radiator
- with bottom right connection  
(see page 24)



## RADIK VKU

- enables both right and left bottom connection  
(see page 25)



## RADIK VKL

- with bottom left connection  
(see page 26)



## RADIK MATERNELLE VK

- for nursery schools
- with bottom right connection  
(see page 27)



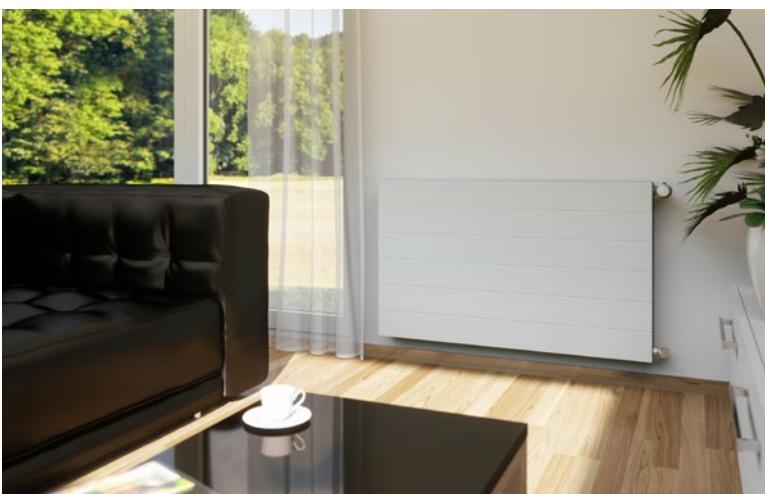
## RADIK MATERNELLE VKL

- for nursery schools
- with bottom left connection  
(see page 28)



## RADIK PLAN KLASIK

- with a flat front panel and side connection  
(see page 29)



## RADIK LINE KLASIK

- with a flat front panel with fine horizontal grooves  
(see page 29)



## RADIK PLAN KLASIK – R

- with flat front panel
- for replacement of a sectional radiator  
(see page 30)



## RADIK LINE KLASIK – R

- with flat front panel with fine horizontal grooves
- for replacement of a sectional radiator

(see page 30)



## RADIK PLAN VK

- with a flat front panel and bottom right connection
- with bottom right connection

(see page 31)



## RADIK LINE VK

- with a flat front panel with fine horizontal grooves
- with bottom right connection

(see page 31)



## RADIK PLAN VKL

- with a flat front panel and bottom right connection
- with bottom left connection

(see page 32)



## RADIK LINE VKL

- with a flat front panel with fine horizontal grooves  
(see page 32)



## RADIK PLAN VERTIKAL - M

- with bottom middle connection and flat front panel
- with bottom middle connection  
(see page 33)



## RADIK LINE VERTIKAL - M

- with bottom middle connection and grooved front panel
- with bottom middle connection  
(see page 34)



## RADIK HYGIENE

- enables right or left side connection  
(see page 36)



## RADIK HYGIENE VK

- with bottom right connection  
(see page 37)



## RADIK CLEAN

- enables right or left bottom connection  
(see page 38)



## RADIK CLEAN VK

- with bottom right connection  
(see page 39)



## RADIK RADIK STEEL PANEL RADIATORS IN HEIGHT 200 mm

- for rooms with low window sills  
(see page 40)

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## ADVANTAGES OF RADIATORS

- made to last
- [extended warranty](#)
- suitable for all energy sources
- [suitable for low temperature heating systems](#)
- high resistance to excess pressure
- [excellent finish](#)
- multifunction packaging
- [low water volume](#)
- low weight
- [ISO 9001 guarantee of quality of products and services](#)
- recyclable

# GENERAL INFORMATION

## Description

RADIK are steel panel radiators with a natural air convection around their heat-transfer surface. They are produced in single, double or triple panel version. The basic heat-transfer surface is created by a profiled panel with horizontally and vertically aligned channels. For an increase of heat output there is an additional convective fin welded on the inside of the panel of some of the radiator types.

The panel is made from two moulded steel shells which are spot-welded in vertical profiles and seam-welded on all four sides of the panel. A cold-rolled low-carbon content steel is used.

## Use

RADIK steel panel radiators are designed for central heating systems in buildings with the highest allowed working pressure of 10 bar where water or water solutions are used as the heating medium. The highest allowed working temperature is 110 °C. RADIK radiators are designed for single-pipe or twin-pipe systems with pressurized or gravity-fed circulation. Radiators must be installed in a professional way in hot water systems which are carried out professionally according to VDI 2035 with regard to the protection against damage caused by corrosion and scale.

The following main water quality attributes must be adhered to:

- pH range 8.5 - 9.5 (this applies for systems which do not contain aluminium)
- overall water hardness (content of Ca + Mg ions) up to 1mmol/l
- salinity within the range 300 - 500 µS/cm
- oxygen content max. 0.1 mg/l.

Low water content in the radiator enables a flexible reaction of the heating system to the required room temperature and an effective thermoregulation.

RADIK steel panel radiators in the PLAN and VERTIKAL version have a special design which will fit in with every room interior and will satisfy even the most demanding customer and home designer.

RADIK steel panel radiators in the version HYGIENE are designed for rooms with high demands on hygiene and cleanliness. These radiators have been tested in an accredited laboratory and obtained the hygiene certificate for usage in health service and similar services.

## Identification

Our products are identified by:

- a printed label on the radiator packaging
- a label with bar code on the radiator packaging
- a company logo stamped on the end panels
- an inkjet print with the manufacturing date and time on the rear side of the plate of the radiator

## Versions

RADIK steel panel radiators are manufactured in 6 basic versions which come in individual models.

Basic versions of RADIK steel panel radiators:

- KLASIK
  - radiators with side connections and a profiled front panel.
- VENTIL KOMPAKT
  - radiators with built-in inside distribution tappings and valve, with bottom connections and profiled front panel.
- PLAN
  - radiators with side connections (KLASIK version) or bottom connections (VENTIL KOMPAKT version) with a flat front panel.
- LINE
  - radiators with side connections (KLASIK version) or with bottom connection (VENTIL KOMPAKT version) and a flat front panel with fine horizontal grooves
- VERTIKAL
  - vertically aligned radiators without valve with bottom middle connection and a flat or grooved front panel
- HYGIENE
  - radiators without convective fins, side panels and top grill, with side or bottom connections and with a flat front panel

## Overview of RADIK models

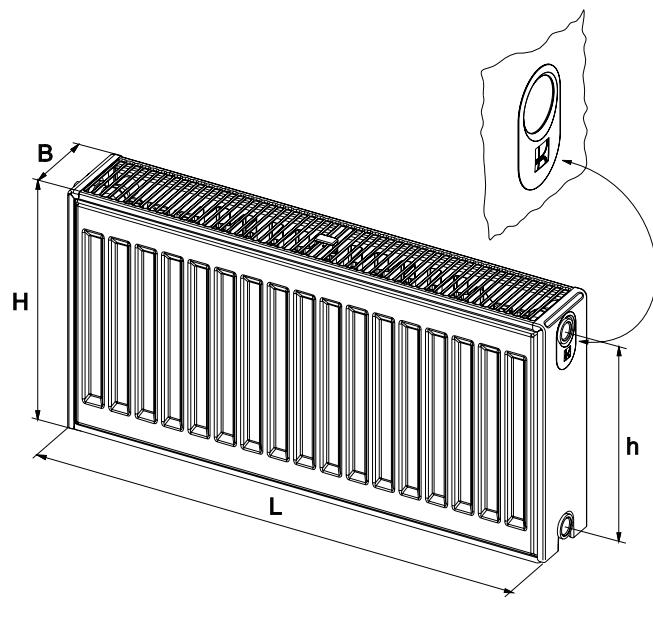
- KLASIK version
  - model RADIK KLASIK
  - model RADIK KLASIK - R
  - model RADIK KLASIK - Z
- VENTIL KOMPAKT version
  - model RADIK VK
  - model RADIK VKU
  - model RADIK VKL
  - model RADIK MATERNELLE VK
  - model RADIK MATERNELLE VKL
  - model RADIK VK - Z
- PLAN version
  - model RADIK PLAN KLASIK
  - model RADIK PLAN KLASIK-R
  - model RADIK PLAN VK
  - model RADIK PLAN VKL
- LINE version
  - model RADIK LINE KLASIK
  - model RADIK LINE KLASIK-R
  - model RADIK LINE VK
  - model RADIK LINE VKL
- VERTIKAL version
  - model RADIK PLAN VERTIKAL - M
  - model RADIK LINE VERTIKAL - M
- HYGIENE version
  - model RADIK HYGIENE
  - model RADIK HYGIENE VK
  - model RADIK CLEAN
  - model RADIK CLEAN VK

Type number	Number of panels	Number of convector plates
Type 10	1	0
Type 11	1	1
Type 20	2	0
Type 21	2	1
Type 22	2	2
Type 30	3	0
Type 32	3	2
Type 33	3	3

# GENERAL INFORMATION



## Technical data



<b>Height</b>	$H = 200 \div 900 \text{ mm}$
<b>Length</b>	$L = 400 \div 3000 \text{ mm}$
<b>Depth</b>	$B = 47 \div 155 \text{ mm}$ (differs according to the type)
<b>Connecting pitch</b>	$h = H - 54 \text{ mm}$
<b>Connecting thread</b>	G 1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Test pressure</b>	13 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Axial distance of the vertical stampings</b>	33,33 mm
<b>Basic paint</b>	cataphoretic paint (KTL)
<b>Surface finish</b>	white RAL 9016
<b>LGA</b>	for types 11, 20, 21, 22, 33
<b>Guarantee period</b>	10 years

## Finish

The technology used guarantees the achievement of three basic goals:

- long-term corrosion resistance and mechanical durability
- fine-quality finish
- hygienic surface

The surface finish is done in three basic phases:

- 1) Preparation of the steel surface – includes degreasing, phosphating, and rinsing in three stages.
- 2) Putting on the first layer of paint using the cataphoretic method (KTL). The layer of paint is evenly spread over the whole radiator. The KTL paint gains its final anticorrosion, adhesive, and mechanical and chemical characteristics in a drying oven. This phase of surface finishing is of decisive importance for the long life span of the radiator.
- 3) Putting on the final layer of paint – epoxy-polyester powder is applied using automatic dusting pistols in an electrostatic field of a dusting compartment. After it is oven dried and cooled, the finish of the radiator is completed.

The surface finishing of the radiators is done with a maximum effort to protect the environment, during production and use.

Radiators are delivered in white powder coat (RAL 9016) as standard, on request we also offer in other colours. For more information on the colours available please see the colour card RADIK.



1. Degreasing and phosphating
2. Cataphoretic paint
3. Epoxy-polyester powder

# GENERAL INFORMATION

## Basic Equipment

All RADIK steel panel radiators except the model RADIK VKU and all radiators in height 200 mm have two upper and lower hangers welded on the back. Radiators with length 1800 mm and longer have six welded hangers.

All radiators are equipped with an air vent and a respective number of blanking plugs. All connections of RADIK steel panel radiators have the same diameter with a G 1/2 internal thread.

Except the types 10 and the models RADIK HYGIENE, RADIK HYGIENE VK, RADIK CLEAN, RADIK CLEAN VK all other models are delivered with end panels and top grills fitted.

The radiators in height 200 mm are delivered with the necessary number of "Split Brackets Plus" designed for mounting on the wall. Stand brackets Z-U400 can be delivered on special order.

## Transport and storage

The radiators are stored on pallets according to the manufacturer's internal guidelines. Pallets with radiators should only be transported in covered transport. Radiators which are transported unprofessionally and incorrectly can be deformed or otherwise damaged. It is especially dangerous to transport long radiators on smaller pallets or on top of radiators of a different size.

Radiators must be stored where they are protected from the effects of the weather. They are not to be stored in open, uncovered areas. If they are stored on a flat floor, a maximum of two pallets of the same size may be put on top of each other. Pallets with radiators of type 10 and 11 and all types of the PLAN version may be stored only in one layer.

## Heat output and registration

Heat outputs of the steel panel radiators RADIK were measured according to EN 442 in an accredited laboratory.

Conformity with valid European regulations and standards was certified by Strojírenský zkušební ústav (Engineering Testing Institute) in Brno, notified body No. 1015.

Certified registration for using national quality marks RAL (Germany) - see p. 65.

## Related norms

ČSN EN 442

DIN EN 442

ČSN 06 1101

ČSN 06 1122

ČSN 06 0310

ČSN 07 7401

DIN 55 900

## Packaging

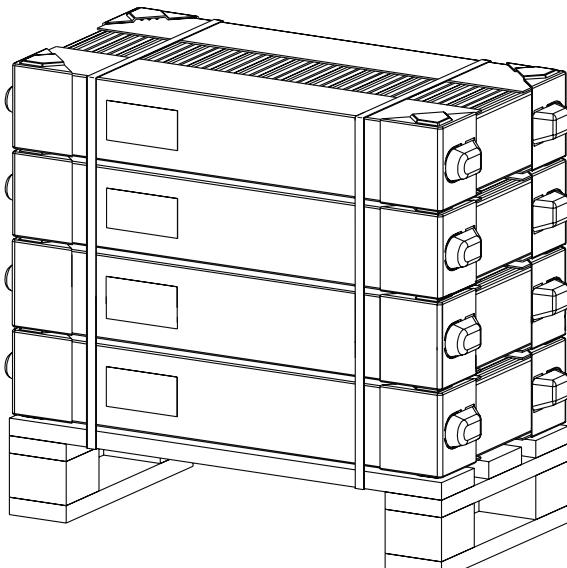
All steel panel radiators are delivered in uniform packaging, which consists of:

- corrugated cardboard
- plastic reinforcing corner covers
- polyethylene shrinking foil
- strip band
- inserted information sheet

The packaging protects the radiator during transportation, handling, assembly and after assembly. It should not be removed before the installation and other work is completed.



## Packaging - pallet



# GENERAL INFORMATION



## Guidelines for mounting

Basic guidelines for the installation of steel panel radiators:

- centre below a window
- centre of radiator and of window at the same place
- air movement around the radiator should not be restricted

We offer an assortment of brackets for RADIK steel panel radiators. That assortment is shown in the KORAMONT catalogue and covers most installers needs and all main construction materials. Its construction allows mounting of the radiator with minimum damage of its packaging (at the place of mounting and connection of necessary parts) and the packaging can be removed after the completion of all construction and other work.

We recommend using such fittings for the connection of steel panel radiators as will secure:

- regulation of water flow through the radiator
- closing off radiator at the inlet and outlet of water flow
- emptying and filling of the radiator
- disconnecting of radiator without interruption of the heating system operation

For mounting of RADIK steel panel radiators of VENTIL KOMPAKT version, we recommend to use KORADO pre-fixing template, which will supply, in every respect, radiators presence at a construction site (see KORAMONT catalogue).

## Guarantees and Quality

The manufacturer guarantees that the product is leak proof and guarantees stated heat output of RADIK steel panel radiators connected to the hot-water systems for 10 years from the date of sale. The manufacturer accepts no responsibility for deformation or damage of the radiators caused during their transport, handling, or storage. The guarantee does not apply to mechanical or other damages caused by unqualified installation of the radiators.

RADIK products guarantee the quality, as is documented by certificates issued by LGA Nürnberg (certificate on suitability of radiators for installation in schools and kindergartens) and Engineering Testing Laboratory, SZ no. 202 Brno and registration of national quality marks RAL (Germany), NF (France) - see p. 64 and 65.

The company KORADO, a.s. has held a quality certificate under the norm ISO 9001 since 1997. That quality control system describes in advance all conditions, requirements, and parameters with respect to technical, manufacturing, commercial, transport, and service issues. The customer is the main goal of the entire system and his satisfaction influences the goals and plans of the company KORADO. The ISO 9001 quality control system guarantees the customer excellent, long-lasting quality of products and services.

## Multifunctional package



# GENERAL INFORMATION - VENTIL KOMPAKT

## Description

Models in VENTIL KOMPAKT version are equipped with a built-in distribution pipeline and valve. This construction allows **connection of the radiator from the bottom** to the heating system. The axial distance of the bottom outlet is always 50 mm and has a G 1/2" internal thread. Its construction is intended for modern heating systems with pressurized circulation of the heating medium and horizontal piping below the radiator in the floor, in the wall, or on the wall covered with a strip.

## Installation to the heating system

Modern heating systems require the use of fittings, which will enable the installer to close off the radiator so that it can be changed without interrupting the operating system. The choice of fittings depend on the requirements and the material of the pipes:

1. copper, thin-wall steel, plastic or a plastic-metal-plastic combination
  - use a compact connecting fitting with a pitch of 50 mm and with reduction of G 1/2" to G 3/4" by setting appropriate clamping screws according to the material and size of connecting pipes
2. black steel pipes with tubular threading
  - use 2 closing screws



## Models

VENTIL KOMPAKT version of steel panel radiators is manufactured in several models. The construction of the models varies particularly with respect to the location of the connections and position of the connection pipes.

Model	Position of connection	Description
RADIK VK	only right	on page 23
RADIK VK - Z	only right	on page 24
RADIK VKU	right or left	on page 25
RADIK VKL	only left	on page 26
RADIK MATERNELLE VK	only right	on page 27
RADIK MATERNELLE VKL	only left	on page 28
RADIK PLAN VK	only right	on page 31
RADIK PLAN VKL	only left	on page 32
RADIK LINE VK	only right	on page 31
RADIK LINE VKL	only left	on page 32
RADIK HYGIENE VK	only right	on page 37
RADIK CLEAN VK	only right	on page 39

## Valve

At the time of assembly of the radiator a valve Heimeier n. 4360 is fitted into the built-in distribution pipeline. It is characterized by the following data:

- value of coefficient kv - see page 17
- allows presetting of water flow at 8 levels -factory preset for position eight
- to preset to another position a special key is required
- if any other preset position is needed, the installer should do it after flushing the installation but before the system is turned on
- the valve is tightened at the factory to their norm
- outside connecting thread M 30 x 1.5
- the connecting thread of the valve has a white plastic cover, which gives it protection during transportation and assembly of the radiator and at the same time can be used for setting the valve in the off or on position during assembly



# GENERAL INFORMATION - VENTIL KOMPAKT



## Thermostatic heads

To set and regulate the temperature in a room it is necessary to fit a thermostatic head on the VENTIL KOMPAKT radiators. For direct fitting only thermostatic heads can be used with connecting thread M 30 x 1.5. Below is an overview with connecting thread M 30 x 1.5.

with connecting thread M 30 x 1.5. Below is an overview of the basic types made by different manufacturers for the Czech market. For information about other makes, please, contact the manufacturer or their representative on the market concerned.

1. Danfoss - Type RAE-K 5034, 013G5034
2. Danfoss - Type RAX-K 013G6080
3. Danfoss - *living eco®* 014G0052
4. Eberle - Type TRV 4
5. Eberle - Type RT 414
6. Giacomini - Type R460H
7. Heimeier - Type K
8. Heimeier - Type DX
9. Heimeier - Type WK
10. Herz - Type 1 7260 98

11. Herz - Type 1 9200 38
12. Herz - Type 1 9260 98
13. Honeywell - Type Thera 4
14. Honeywell - Type Thera 4 Design
15. Honeywell - Type Thera 200 Design
16. Ivar - Type T 5000
17. Ivar - Type T 3000
18. Oventrop - Type Uni LH
19. Oventrop - Type Uni SH
20. Siemens - Type RTN 51

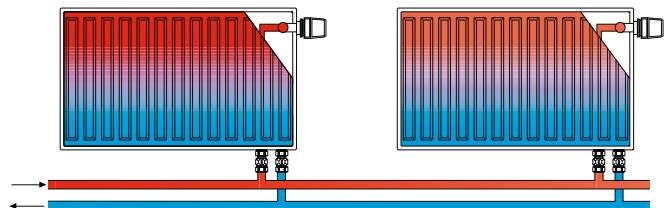


# GENERAL INFORMATION - VENTIL KOMPAKT

## Two-pipe heating system

When installing VENTIL KOMPAKT steel panel radiators, it is necessary to preset the valve to such a position that the radiator will perform as calculated. It is the responsibility of the installer to make sure this has been done.

At the factory the valve is preset at level 8 and after rinsing and before the start of the heating test it must be set by a special key to the desired position.



## Example of calculation

**Target value:** level of valve setting

**Values known:** heat output

cooling of water

pressure loss of radiator with valve

heat capacity of water

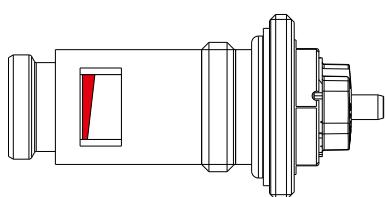
$$\begin{aligned} Q &= 1135 \text{ W} \\ t_1 - t_2 &= 15 \text{ K (65/50 °C)} \\ \Delta p &= 30 \text{ mbar} \\ c &= 1,163 \text{ Wh/kg.K} \end{aligned}$$

**Solution:** mass flow

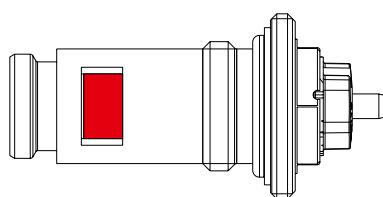
level of presetting (see diagram):

$$m = \frac{Q}{c \cdot (t_1 - t_2)} = \frac{1135}{1,163 \cdot 15} = 65 \text{ kg/h}$$

4



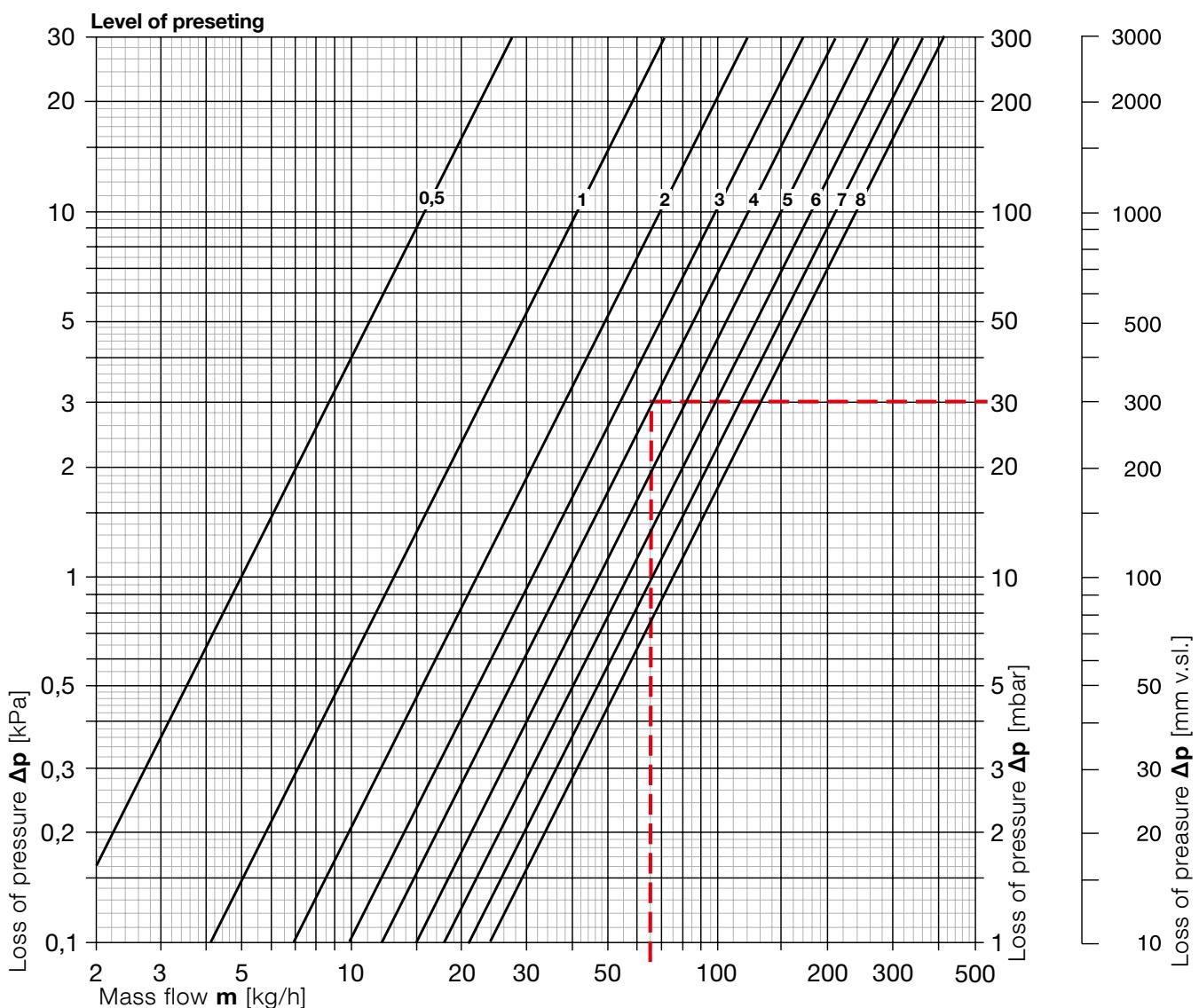
Level 4 presetting



Level 8 presetting



## Two-pipe heating system



**Table**

Valve with thermostatic head																
Level of valve setting	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8
$k_v$ [m³/h]	0,05	<b>0,13</b>	0,18	<b>0,22</b>	0,27	<b>0,31</b>	0,35	<b>0,38</b>	0,42	<b>0,47</b>	0,52	<b>0,57</b>	0,62	<b>0,66</b>	0,71	<b>0,75</b>

Valve without thermostatic head																
Level of valve setting	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8
$k_{vs}$ [m³/h]	0,05	<b>0,16</b>	0,22	<b>0,27</b>	0,33	<b>0,38</b>	0,41	<b>0,43</b>	0,54	<b>0,65</b>	0,82	<b>0,98</b>	1,11	<b>1,23</b>	1,33	<b>1,43</b>

Highest allowed working temperature: 110 °C

Highest allowed working pressure: 10 bar

The indicated values of  $k_v$  comply with proportionality interval of 2K.

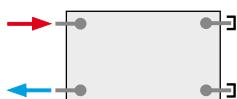
# RADIK KLASIK



## Technical data

Height H	300, 400, 500, 600, 700, 900 mm
Length L	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm
Connecting pitch	$h = H - 54$ mm
Connecting thread	4 x G1/2" inside
Highest allowed working pressure	10 bar
Highest allowed working temperature	110 °C
Radiator connection	left or right side

## Examples of connection to the heating system



side - one side  
 $\phi = 1$



side - two sides diagonal  
 $\phi = 1$   
 recommended for:  $L \geq 3 \times H$



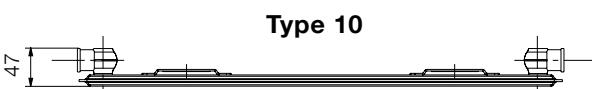
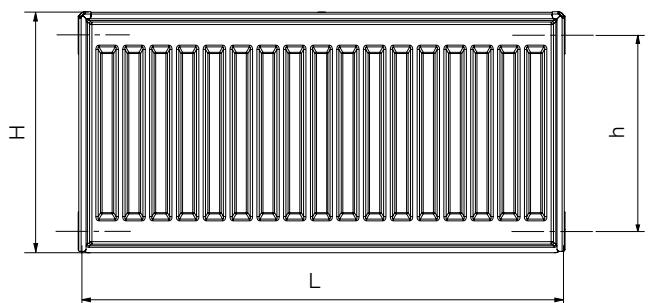
side - two sides direct  
 $\phi = 0,9$

## Description

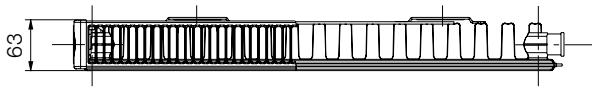
**RADIK KLASIK** model is a steel panel radiator in KLASIK version which allows **left or right side connection** to the heating system circuit. It is intended for heating systems which are gravity or pressure fed.

Two upper and lower hangers are welded at the back of the radiator. Radiators 1800 mm long and longer have six welded hangers.

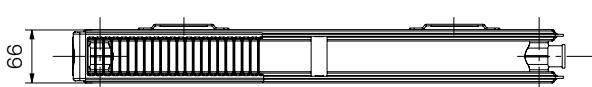
## Overview of types



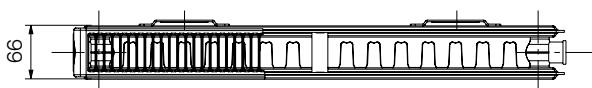
Type 10



Type 11



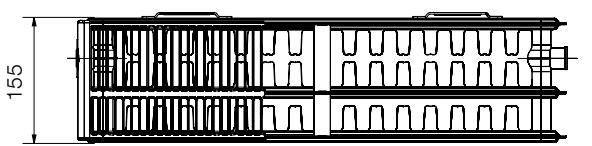
Type 20



Type 21



Type 22



Type 33

Guidelines for ordering are described on page 66.

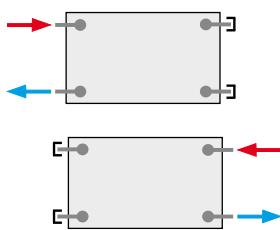
The company reserves the right to make technical changes.



## Technical data

<b>Height H</b>	554 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm
<b>Depth B</b>	
Type 20 R	66 mm
Type 21 R	66 mm
Type 22 R	100 mm
Type 33 R	155 mm
<b>Connecting pitch</b>	500 mm
<b>Connecting thread</b>	4 x G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	left or right side

## Examples of connection to the heating system



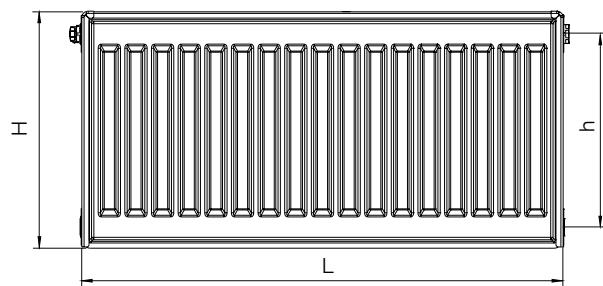
side - one side  
 $\varphi = 1$

## Description

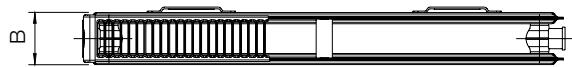
The **RADIK KLASIK - R** model is a steel panel radiator in KLASIK design, modified for swift **replacement of cast-iron or steel sectional radiators with a connecting pitch of 500 mm**.

The height H = 554 mm guarantees its problem-free fitting in place of the old radiator. It allows for **left or right side connection** to the heating system distribution mains and is designed for heating systems with forced or gravity circulation. Two upper and lower fixing hangers are welded onto the back, radiators 1800 mm in length or longer have six welded fixing hangers.

## Overview of types



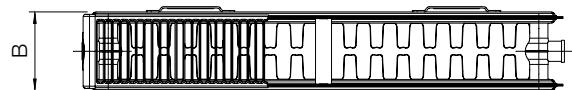
Type 20 R



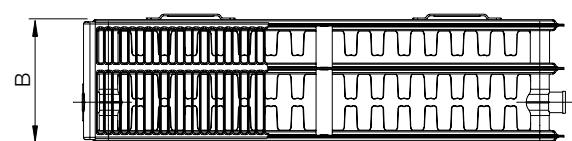
Type 21 R



Type 22 R



Type 33 R



Guidelines for ordering are described on page 66.

# RADIK KLASIK - R

You can find a replacement for your cast-iron and steel sectional radiators yourself in the RADIK KLASIK - R steel panel radiator range

Sectional radiators					
cast-iron			steel		
575 ÷ 610			575 ÷ 610		
500			500		
110	160	220	200	150	200
500/110	500/160	500/220	500/200	500/150	500/200
number of sections <b>n</b> [pcs]			number of sections <b>n</b> [pcs]		
5	3	3	3	5	4
6	4	3	4	6	5
7	5	4	4	7	5
8	6	5	5	8	7
10	7	6	7	10	8
11	8	6	7	11	9
12	9	7	8	12	10
13	10	8	9	13	11
15	11	9	10	15	12
16	12	10	11	16	14
17	13	10	12	17	14
18	14	11	12	18	15
20	15	12	13	20	16
22	16	13	15	22	18
24	18	14	16	24	19
25	19	15	17	25	21
26	20	15	17	26	22
29	22	17	20	29	24
30	23	18	20	30	25
33	25	20	22	33	27
35	26	21	23	35	28
38	28	23	26	38	31
38	29	23	26	38	31
40	30	23	26	40	32
44	33	26	29	44	36
50	38	30	34	50	41
57	43	34	38	57	46
64	48	38	43	64	51

Steel panel radiator					
RADIK KLASIK - R					
<b>H</b>					554
<b>h</b>					500
<b>B</b>	66	66	100	155	
Type	20 R	21 R	22 R	33 R	
	appropriate length of the radiator <b>L</b> [mm]				
→	400				
→	500 400				
→	600 400 400				
→	700 500 400				
→	800 600 500				
→	900 700 500 400				
→	1000 800 600 400				
→	1100 800 700 500				
→	1200 900 700 500				
→	1400 1000 800 600				
→	1400 1100 800 600				
→	1600 1100 900 600				
→	1600 1200 900 700				
→	1800 1400 1000 700				
→	2000 1400 1100 800				
→	2000 1600 1200 800				
→	1600 1200 900				
→	1800 1400 1000				
→	1800 1400 1000				
→	2000 1600 1100				
→	1600 1200 900				
→	1800 1400 1000				
→	1600 1100 900				
→	1800 1200				
→	1800 1400				
→	1800 1400				
→	2000 1400				
→	1600				
→	1800				
→	2000				

### Identification of the old radiator:

- Determine material (cast-iron/steel)\*  
\* if the surface of your sectional radiator is rough, you have a cast-iron radiator

- Measure the height of the radiator **H**

- Check whether the connecting pitch **h** is 500 mm

- Measure the depth of the radiator **B**

- Count the number of sections ("ribs")

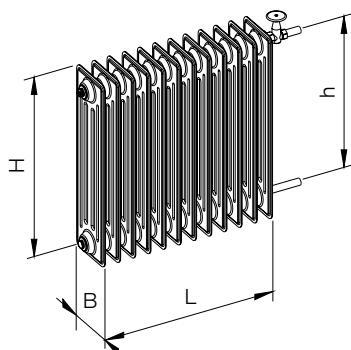
### Looking for a replacement in the table:

- According to identification (see above), look in the left part of the table for the appropriate column, corresponding to the type of the old radiator

- Find the row with the appropriate number of sections **n** (if the precise number is not shown in the table, choose the next highest)

- Select the most suitable length for the new steel panel radiator **L** in the row with the appropriate number of sections in the right (blue) part of the table (this depends on the type of steel panel radiator).

- After selecting the type of steel panel radiator, once again check its depth **B**, to see whether it meets your requirements



**H** [mm] - height of the radiator

**h** [mm] - connecting pitch

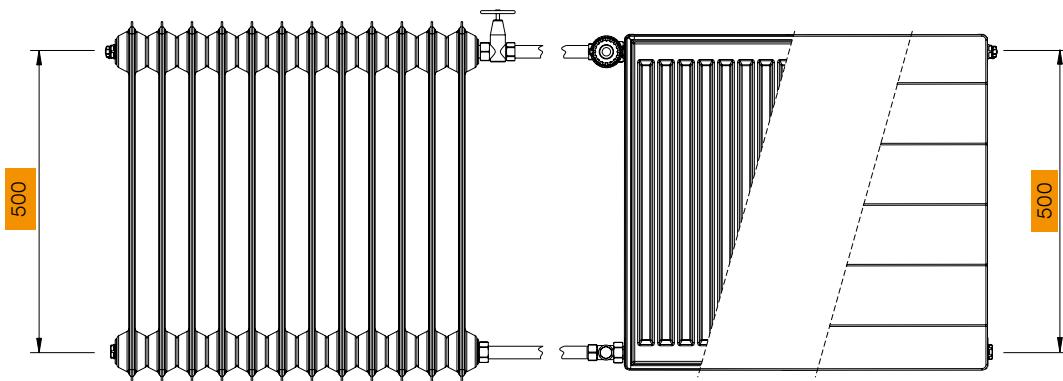
**L** [mm] - length of the radiator

**B** [mm] - depth of the radiator

### Heat output of sectional radiators

material of radiator	connecting pitch <b>h</b> [mm]	depth <b>B</b> [mm]	heat output [W/section] (90/70/20 °C)
steel	500	150	90
		160	93
		200	110
		220	121
cast-iron	500	110	92
		150	107
		160	120
		200	134
		220	151
		250	169

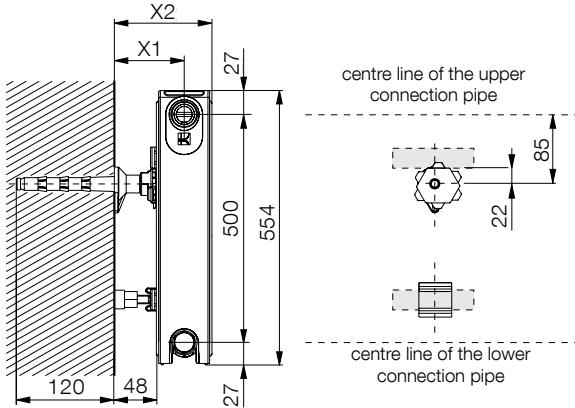
Source of information: Czechoslovak catalogue for construction 14/5 Radiators, basic advice for 1991



## Mounting data

The Z-U140 bracket can be used for fixing the radiator at a fixed distance of the radiator from the wall of 48mm, or the Z-U290 bracket with variable distance of up to 100 mm from the wall.

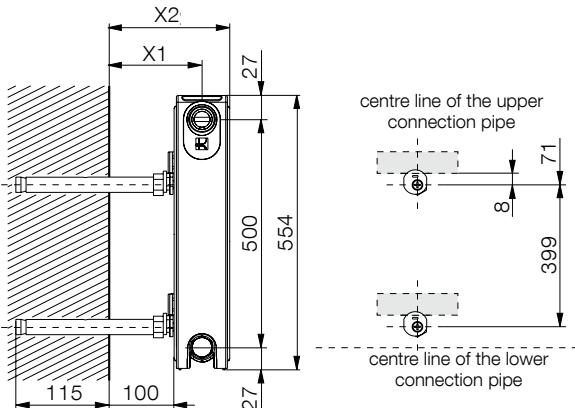
## Z-U140 bracket



Type	20 R	21 R	22 R	33 R
X1	81	81	98	153
X2	114	114	148	203

The X2 figures are increased by 2 mm for PLAN/LINE radiators.

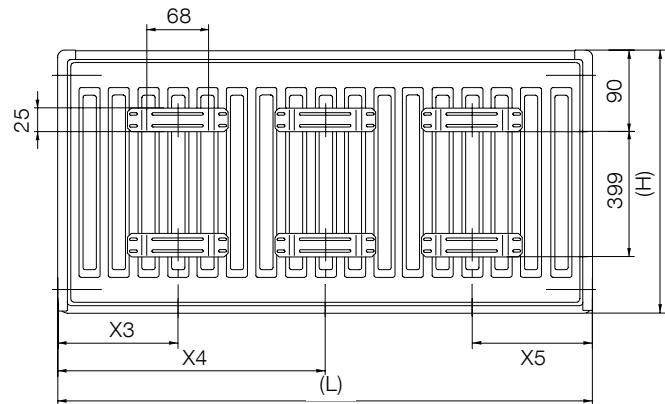
## Z-U290 bracket



Type	20 R	21 R	22 R	33 R
X1	133	133	150	205
X2	166	166	200	255

The X2 figures are increased by 2 mm for PLAN/LINE radiators.

## Mounting data



# RADIK KLASIK - Z



## Technical data

Height H	300, 400, 500, 600, 700, 900 mm
Length L	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm
Connecting pitch	$h = H - 54$ mm
Connecting thread	4 × G1/2" inside
Highest allowed working pressure	10 bar
Highest allowed working temperature	110 °C
Radiator connection	left or right side

## Examples of connection to the heating system



side - one side  
 $\varphi = 1$



side - two sides diagonal  
 $\varphi = 1$   
recommended for:  $L \geq 3 \times H$



side - two sides direct  
 $\varphi = 0,9$

## Description

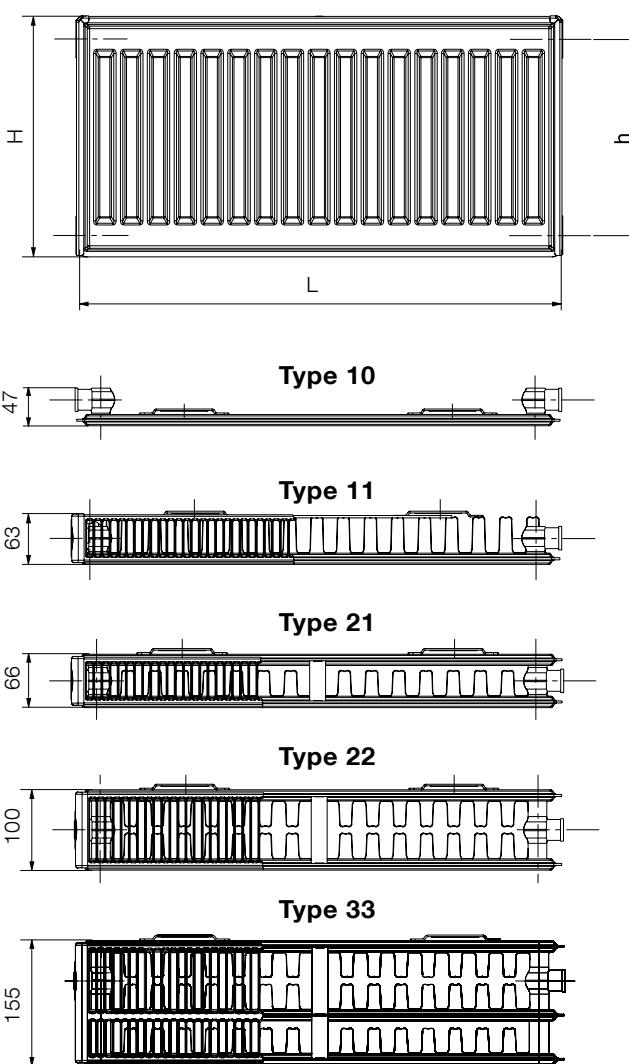
RADIK zinc-coated panel radiators are intended for rooms with a high risk of corrosion because of high humidity or chemically aggressive atmospheres. Resistance to corrosion is increased by a layer of zinc coat, which slows down the corrosion process and results in an extended life of the radiator.

**RADIK KLASIK - Z** model is a steel panel radiator in KLASIK version which allows **left or right side connection** to the heating system circuit. It is intended for heating systems which are gravity or pressure fed. Two upper and lower hangers are welded at the back of the radiator. Radiators 1800 mm long and longer have six welded hangers.

### Notice:

Because of the particular qualities of the zinc-coating and the use of special polyester paint, the zinc-coated radiators are not exactly identical in appearance to the standard RADIK radiators.

## Overview of types



Guidelines for ordering are described on page 66.

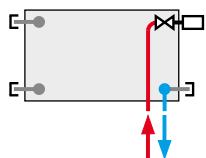
The company reserves the right to make technical changes.



## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm
<b>Depth B</b>	
Type 10 VK	47 mm
Type 11 VK	63 mm
Type 20 VK	66 mm
Type 21 VK	66 mm
Type 22 VK	100 mm
Type 33 VK	155 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 x G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	right bottom

## Examples of connection to the heating system

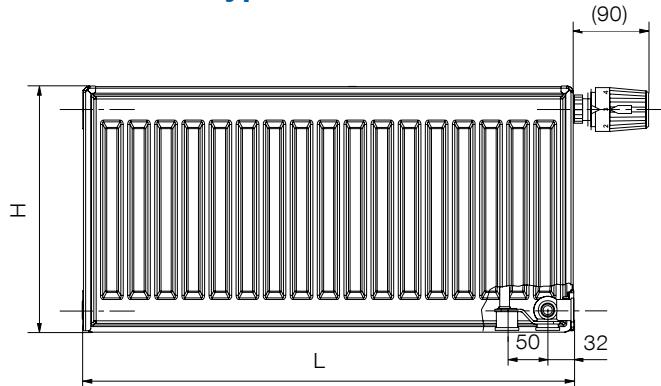


right bottom  
 $\varphi = 1$

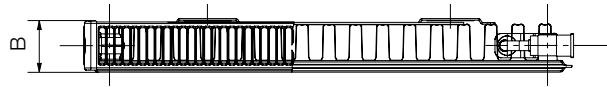
## Description

**RADIK VK** model is a steel panel radiator in VENTIL KOMPAKT version which allows **right bottom connection** to a pressure fed heating system. Two upper and lower hangers are welded onto the back. Radiators 1800 mm and longer have six hangers.

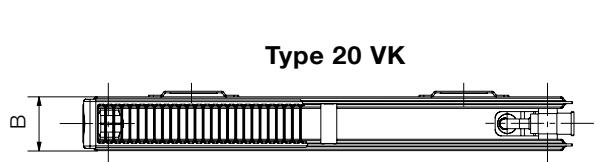
## Overview of types



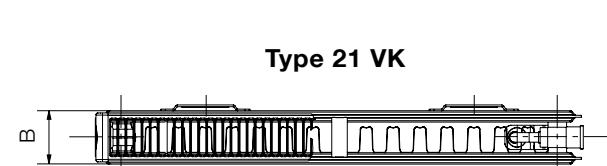
Type 10 VK



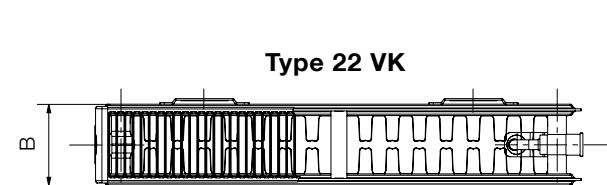
Type 11 VK



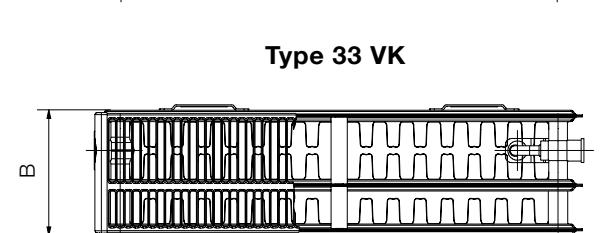
Type 20 VK



Type 21 VK



Type 22 VK



Type 33 VK

Guidelines for ordering are described on page 66.

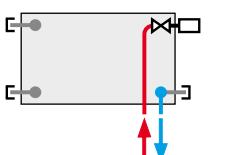
# RADIK VK - Z



## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm
<b>Depth B</b>	
Type 10 VK	47 mm
Type 11 VK	63 mm
Type 21 VK	66 mm
Type 22 VK	100 mm
Type 33 VK	155 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 × G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	right bottom

## Examples of connection to the heating system



right bottom  
φ = 1

## Description

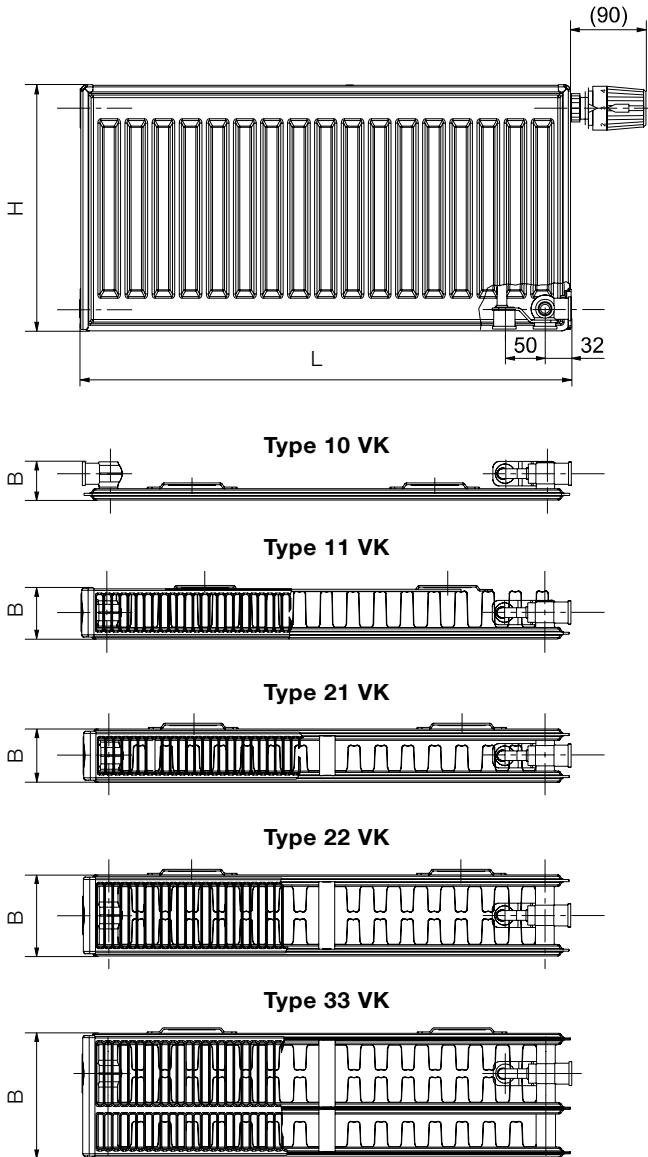
RADIK zinc-coated panel radiators are intended for rooms with a high risk of corrosion because of high humidity or chemically aggressive atmospheres. Resistance to corrosion is increased by a layer of zinc coat, which slows down the corrosion process and results in an extended life of the radiator.

**RADIK VK - Z** model is a steel panel radiator in VENTIL KOMPAKT version which allows **right bottom connection** to a pressure fed heating system. Two upper and lower hangers are welded onto the back. Radiators 1800mm and longer have six hangers.

### Notice:

Because of the particular qualities of the zinc-coating and the use of special polyester paint, the zinc-coated radiators are not exactly identical in appearance to the standard RADIK radiators.

## Overview of types



Guidelines for ordering are described on page 66.

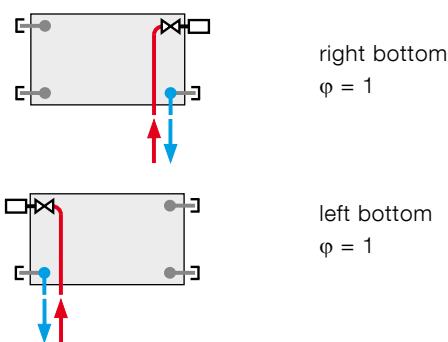
The company reserves the right to make technical changes.



## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm
<b>Depth B</b>	
Type 21 VKU	66 mm
Type 22 VKU	100 mm
Type 33 VKU	155 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 x G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	right or left bottom

## Examples of connection to the heating system



The company reserves the right to make technical changes.

## Description

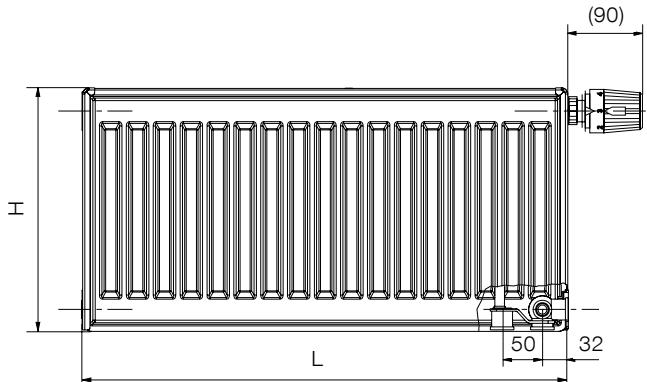
**RADIK VKU** model is a steel panel radiator in VENTIL KOMPAKT version which allows **left or right bottom connection** to the pressurized heating system. No hangers are welded on the back, so radiator types 21, 22, and 33 can be turned round.

Note:

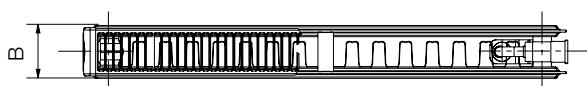
Type 33 VKU does not have symmetrically placed connections with respect to the depth of the radiator.

When placing the radiator on the wall, it is necessary to use Compact Bracket Plus (see the KORAMONT catalogue).

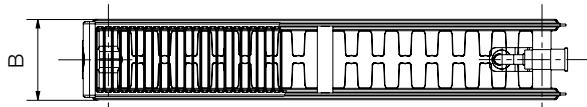
## Overview of types



Type 21 VKU



Type 22 VKU



Type 33 VKU

Guidelines for ordering are described on page 66.

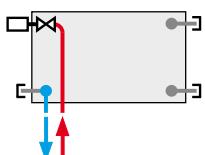
# RADIK VKL



## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm
<b>Depth B</b>	
Type 10 VKL	47 mm
Type 11 VKL	63 mm
Type 21 VKL	66 mm
Type 22 VKL	100 mm
Type 33 VKL	155 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 x G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	left bottom

## Examples of connection to the heating system

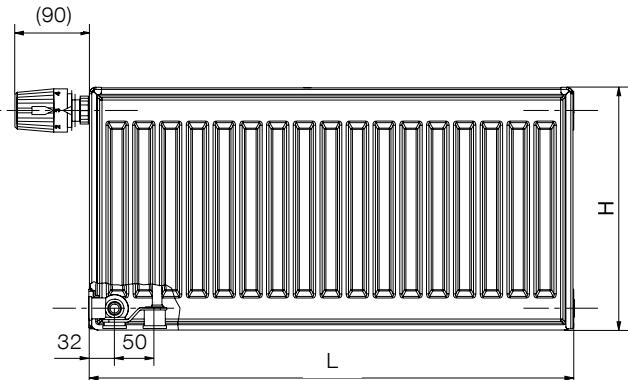


left bottom  
 $\varphi = 1$

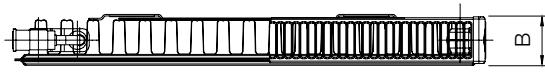
## Description

**RADIK VKL** model is a steel panel radiator in VENTIL KOMPAKT version which allows **left bottom connection** to a heating system which is pressure fed. Two upper and lower hangers are welded onto the back. Radiators 1800 mm and longer have six hangers.

## Overview of types



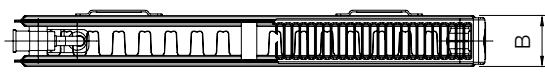
Type 10 VKL



Type 11 VKL



Type 21 VKL



Type 22 VKL



Type 33 VKL

Guidelines for ordering are described on page 66.

The company reserves the right to make technical changes.



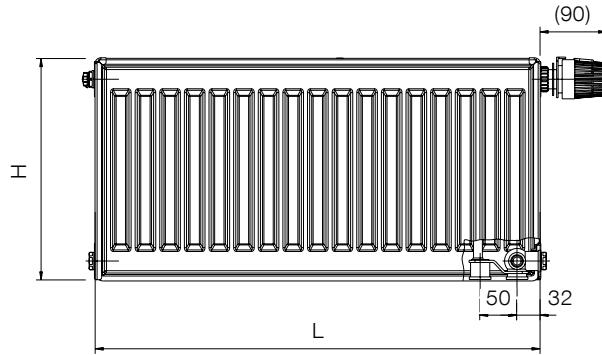
## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm
<b>Depth B</b>	
Type 32 VK	155 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 x G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	right bottom

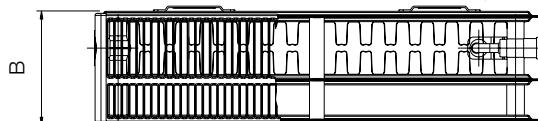
## Description

The model **RADIK MATERNELLE VK** is a steel panel radiator in the VENTIL KOMPAKT version allowing **a right bottom connection** to the heating system with forced circulation of hot water. The special design of the concept MATERNELLE radiators prevents entry of hot water in the front panel. This ensures a safe surface temperature. Two upper and two lower hangers are welded on the rear side of the radiator. Radiators 1800 mm and longer have six welded hangers.

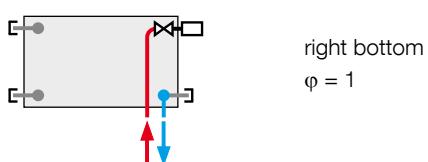
## Overview of types



Type 32 VK



## Examples of connection to the heating system



Guidelines for ordering are described on page 66.

# RADIK MATERNELLE VKL



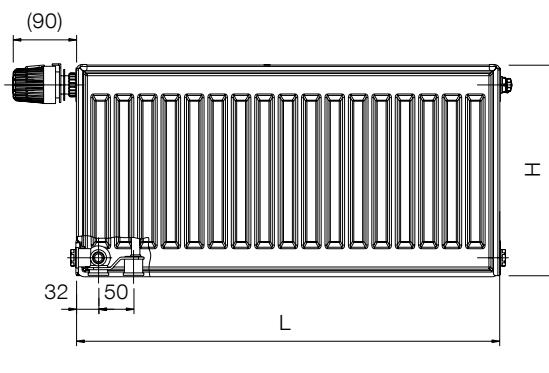
## Technical data

Height H	300, 400, 500, 600, 700, 900 mm
Length L	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm
Depth B Type 32 VKL	155 mm
Connecting pitch	50 mm
Connecting thread	6 × G1/2" inside
Highest allowed working pressure	10 bar
Highest allowed working temperature	110 °C
Radiator connection	left bottom

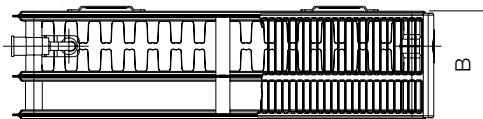
## Description

The model **RADIK MATERNELLE VKL** is a steel panel radiator in the VENTIL KOMPAKT version allowing a **left bottom connection** to the heating system with forced circulation of hot water. The special design of the concept MATERNELLE radiators prevents entry of hot water in the front panel. This ensures a safe surface temperature. Two upper and two lower hangers are welded on the rear side of the radiator. Radiators 1800 mm and longer have six welded hangers.

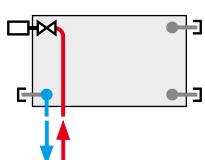
## Overview of types



Type 32 VKL



## Examples of connection to the heating system



left bottom  
 $\varphi = 1$

Guidelines for ordering are described on page 66.

The company reserves the right to make technical changes.

# RADIK PLAN KLASIK, LINE KLASIK



## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm
<b>Connecting pitch</b>	$h = H - 54$ mm
<b>Connecting thread</b>	4 x G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	left or right side

## Examples of connection to the heating system



side - one side  
 $\varphi = 1$



side - two sides diagonal  
 $\varphi = 1$   
recommended for:  $L \geq 3 \times H$



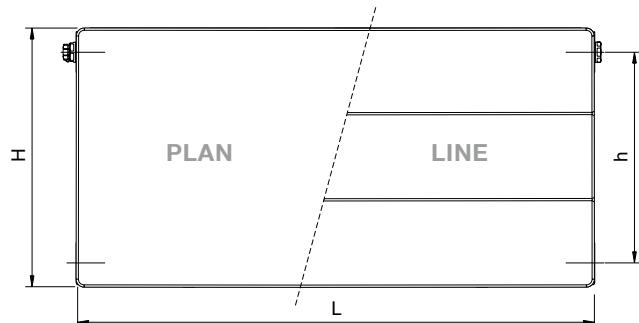
side - two sides direct  
 $\varphi = 0,9$

## Description

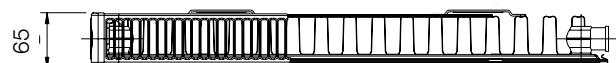
**RADIK PLAN KLASIK (RADIK LINE KLASIK)** is a steel panel radiator in KLASIK version and in PLAN (LINE) version which allows **left or right side connection** to the heating system circuit. It is intended for heating systems which are gravity or pressure fed.

Two upper and lower hangers are welded at the back of the radiator. Radiators 1800 mm long and longer have six welded hangers.

## Overview of types



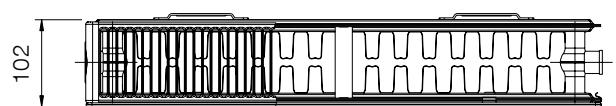
Type 11 PLAN/LINE



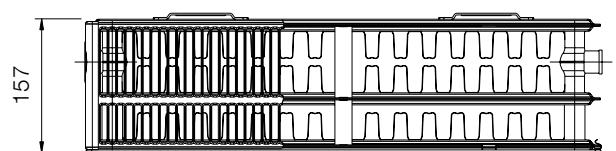
Type 21 PLAN/LINE



Type 22 PLAN/LINE



Type 33 PLAN/LINE



Guidelines for ordering are described on page 67.

# RADIK PLAN KLASIK - R, LINE KLASIK - R



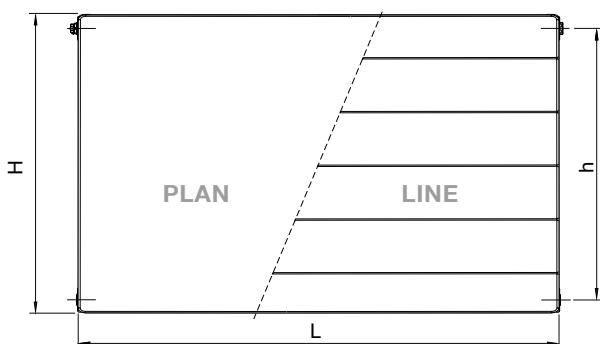
## Description

**RADIK PLAN KLASIK - R (RADIK LINE KLASIK-R)** model is a PLAN (LINE) panel radiator with flat front panel modified for swift replacement of cast-iron or steel sectional radiators with a connection pitch of 500 mm. Height H = 554 mm guarantees its problem-free fitting in place of the old radiator. It allows for left or right side connection to the heating system distribution mains and is designed for heating systems with forced or gravity circulation. Two upper and lower fixing hangers are welded onto the back, radiators 1800 mm in length or longer have six welded hangers.

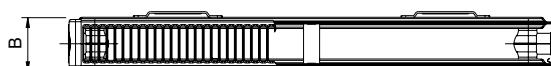
## Technical data

Height H	554 mm
Length L	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm
Depth B	68 mm
Type 20 PLAN - R /LINE KLASIK-R	68 mm
Type 21 PLAN - R /LINE KLASIK-R	102 mm
Type 22 PLAN - R /LINE KLASIK-R	157 mm
Connecting pitch	500 mm
Connecting thread	4 x G1/2" inside
Highest allowed working pressure	10 bar
Highest allowed working temperature	110 °C
Radiator connection	left or right side

## Overview of types



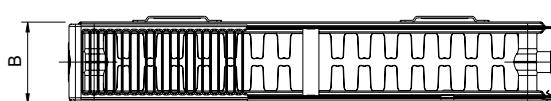
Type 20 PLAN - R/LINE - R



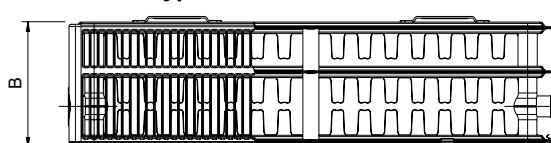
Type 21 PLAN - R/LINE - R



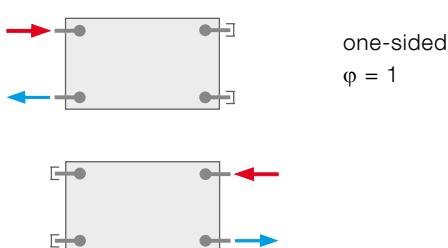
Type 22 PLAN - R/LINE - R



Type 33 PLAN - R/LINE - R



## Examples of connection to the heating system



Guidelines for ordering are described on page 67.

The company reserves the right to make technical changes.

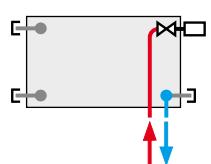
# RADIK PLAN VK, LINE VK



## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm
<b>Depth B</b>	
Type 11 PLAN VK/LINE VK	65 mm
Type 21 PLAN VK/LINE VK	68 mm
Type 22 PLAN VK/LINE VK	102 mm
Type 33 PLAN VK/LINE VK	157 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 × G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	right bottom

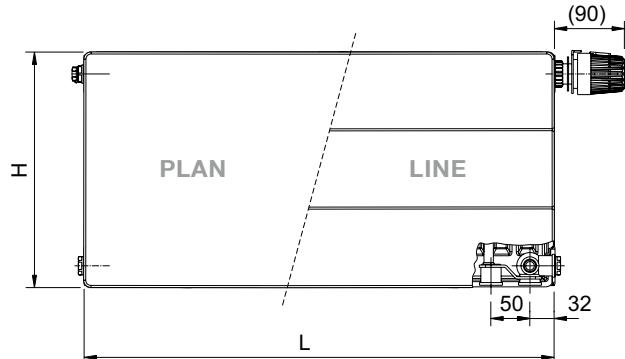
## Examples of connection to the heating system



## Description

**RADIK PLAN VK (RADIK LINE VK)** model is a steel panel radiator in VENTIL KOMPAKT version and in PLAN (LINE) version which allows **right bottom connection** to a pressure fed heating system. Two upper and lower hangers are welded onto the back. Radiators 1800 mm and longer have six hangers.

## Overview of types



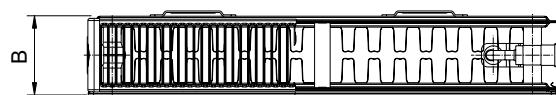
Type 11 PLAN VK/LINE VK



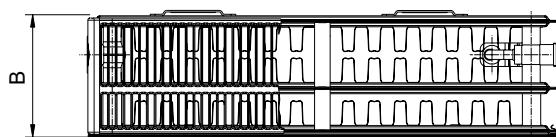
Type 21 PLAN VK/LINE VK



Type 22 PLAN VK/LINE VK



Type 33 PLAN VK/LINE VK



Guidelines for ordering are described on page 67.

# RADIK PLAN VKL, LINE VKL



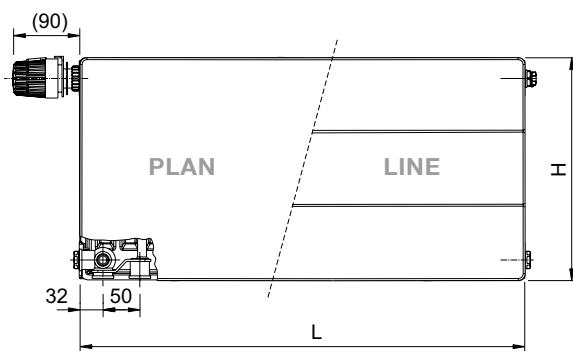
## Description

**RADIK PLAN VKL (RADIK LINE VKL)** model is a steel panel radiator in VENTIL KOMPAKT version and in PLAN (LINE) version which allows **left bottom connection** to a pressure fed heating system. Two upper and lower hangers are welded onto the back. Radiators 1800 mm and longer have six hangers.

## Technical data

Height H	300, 400, 500, 600, 700, 900 mm
Length L	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000mm
Depth B	
Type 11 PLAN VKL/LINE VKL	65 mm
Type 21 PLAN VKL/LINE VKL	68 mm
Type 22 PLAN VKL/LINE VKL	102 mm
Type 33 PLAN VKL/LINE VKL	157 mm
Connecting pitch	50 mm
Connecting thread	6 x G1/2" inside
Highest allowed working pressure	10 bar
Highest allowed working temperature	110 °C
Radiator connection	left bottom

## Overview of types



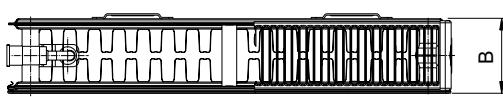
Type 11 PLAN VKL/LINE VKL



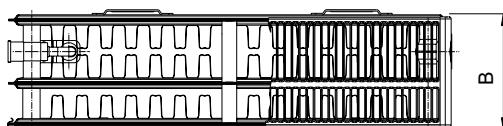
Type 21 PLAN VKL/LINE VKL



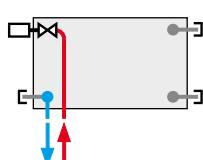
Type 22 PLAN VKL/LINE VKL



Type 33 PLAN VKL/LINE VKL



## Examples of connection to the heating system



left bottom  
 $\varphi = 1$

Guidelines for ordering are described on page 67.

The company reserves the right to make technical changes.



## Description

The **RADIK PLAN VERTIKAL - M** model is a vertically aligned panel radiator with a flat front panel. Its design allows for **bottom middle connection** to a pressurised heating system. It is equipped with a total of 6 outlets with a G1/2" internal thread. Two upper and two lower fixing hangers are welded to the back. Type 20 radiators in lengths of 600 and 900 mm have one extra fixing hanger at the top.

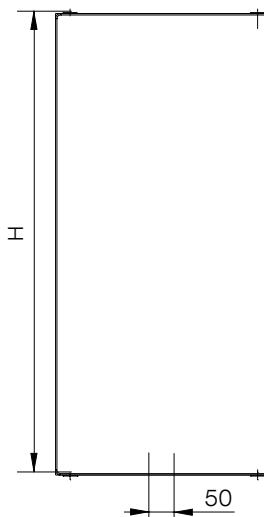


For connecting to the heating system we recommend using the Integrated Fitting HM supplied with a thermostatic head (see page 69)

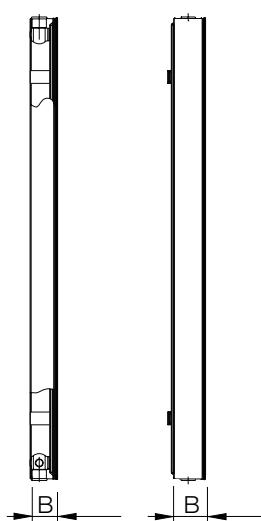
## Technical data

<b>Height H</b>	1600, 1800, 2000 mm
<b>Length L</b>	400, 600, 900 mm
<b>Depth B</b>	
Type 10	52 mm
Type 20	68 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 × G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	middle connection

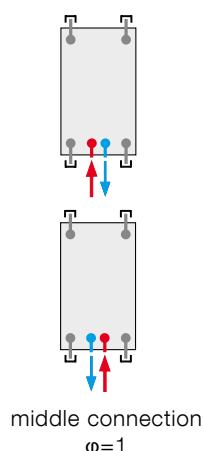
## Overview of types



Type 10      Type 20



Guidelines for ordering are described on page 67.



# RADIK LINE VERTIKAL - M



## Description

The **RADIK LINE VERTIKAL - M** model is a vertically aligned panel radiator with moulded front panel. Its design allows for **bottom middle connection** to a pressurised heating system. It is equipped with a total of 6 outlets with a G1/2" internal thread. Two upper and two lower fixing hangers are welded to the back. Type 20 radiators in lengths of 600 and 900 mm have one extra fixing hanger at the top.

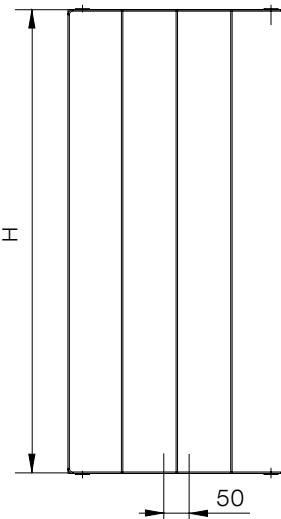


For connecting to the heating system we recommend using the Integrated Fitting HM supplied with a thermostatic head (see page 69)

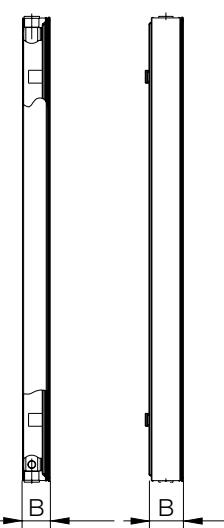
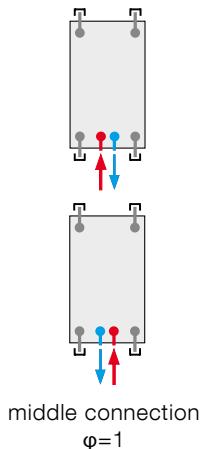
## Technical data

Height H	1600, 1800, 2000 mm
Length L	400, 600, 900 mm
Depth B	
Type 10	52 mm
Type 20	68 mm
Connecting pitch	50 mm
Connecting thread	6 × G1/2" inside
Highest allowed working pressure	10 bar
Highest allowed working temperature	110 °C
Radiator connection	middle connection

## Overview of types



## Examples of connection to the heating system



Guidelines for ordering are described on page 67.

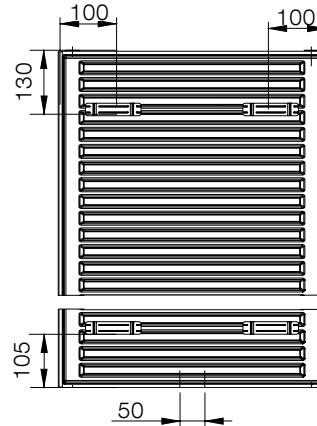
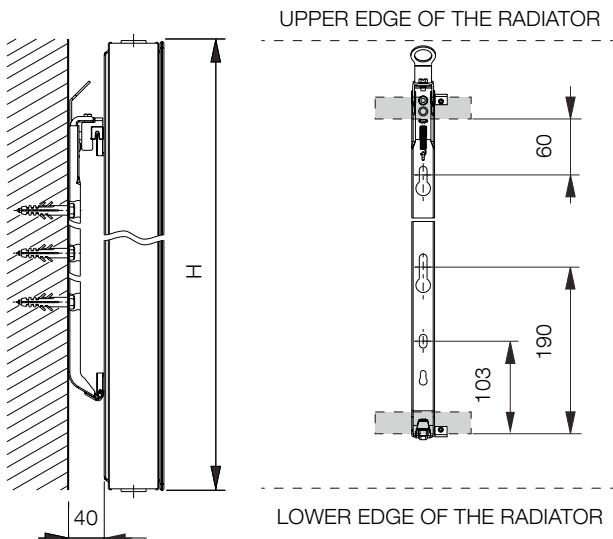


## Fixation

For fixing to the wall use the Split Bracket VERTIKAL (Z-U558) which is included in the radiator packaging.

## Fixation

Type of bracket	Code for ordering	Type 10	Type 20
Split Bracket VERTIKAL	Z-U558	X	X



## Heat output and basic technical parameters

20°C		Typ 10			Typ 20		
Length L [mm]		Height H [mm]					
		1600	1800	2000	1600	1800	2000
400	Q [W] 75/65 [°C]	602	661	717	847	927	1004
	Q [W] 70/55 [°C]	491	540	587	684	749	812
	Q [W] 55/45 [°C]	318	351	382	432	474	515
	Q [W] 45/40 [°C]	222	246	268	296	325	354
	Water volume [l]	3,7	4,1	4,6	7,0	7,9	8,8
	Radiator weight [kg]	19,0	21,3	23,6	31,7	35,7	39,6
	Temp. exponent n [-]	1,2512	1,2400	1,2334	1,3160	1,3115	1,3056
	K <sub>M</sub>	4,5066	5,1699	5,7545	4,9208	5,4813	6,0752
600	Q [W] 75/65 [°C]	829	909	986	1185	1297	1404
	Q [W] 70/55 [°C]	676	742	806	959	1050	1138
	Q [W] 55/45 [°C]	436	480	523	609	668	725
	Q [W] 45/40 [°C]	303	336	366	418	460	500
	Water volume [l]	5,0	5,6	6,2	9,3	10,4	11,6
	Radiator weight [kg]	27,6	31,2	34,4	46,2	51,7	57,7
	Temp. exponent n [-]	1,2595	1,2482	1,2415	1,3036	1,2991	1,2932
	K <sub>M</sub>	6,0076	6,8851	7,6667	7,2267	8,0502	8,9178
900	Q [W] 75/65 [°C]	1141	1252	1358	1659	1815	1965
	Q [W] 70/55 [°C]	929	1021	1109	1341	1468	1591
	Q [W] 55/45 [°C]	598	660	719	850	932	1012
	Q [W] 45/40 [°C]	416	461	502	583	640	696
	Water volume [l]	6,9	7,7	8,6	13,3	15,0	16,6
	Radiator weight [kg]	41,4	46,5	51,6	70,3	79,0	87,8
	Temp. exponent n [-]	1,2637	1,2524	1,2457	1,3097	1,3052	1,2993
	K <sub>M</sub>	8,1339	9,3286	10,3871	9,8788	10,9997	12,1868
Resistance coefficient $\xi_t$ [-]		140,0			82,0		
Flow coefficient A <sub>T</sub> [m <sup>2</sup> ]		$2,4 \times 10^{-5}$			$3,14 \times 10^{-5}$		

$$\text{Characteristic equation: } \phi = K_M \cdot \Delta T^n \left[ \frac{W}{m} \right], \quad \Delta T = \frac{t_1 + t_2}{2} - t_i [K]$$

t<sub>1</sub> – temperature water-in, t<sub>2</sub> – temperature water-out, t<sub>i</sub> – relative air temperature

Guidelines for ordering are described on page 67.

# RADIK HYGIENE



## Description

**RADIK HYGIENE** is a panel radiator, in design KLASIK, which can be connected to the heating system either from the **left or from the right side**. It is designed to be used in the pressurized or gravity fed heating systems.

It is suitable for installation and operation in rooms with high demands on hygiene and cleanliness. All types are without convector fins; they have a smooth front panel and the weld seams are covered with a special flat strip. The type 20S is typical for a greater spacing between the panels (radiator depth  $B = 102$  mm) compared with the traditional design of type 20 ( $B = 66$  mm).

On the rear side, two upper and two lower hangers are welded. Radiators with the length of 1800 mm and longer have six welded hangers. The standard product equipment includes an air-vent and a blanking plug.

## Technical data

Height H	503, 603, 703 mm
Length L	404, 504, 604, 704, 804, 904, 1004, 1104, 1204, 1404, 1604, 1804, 2004 mm
Depth B	
Type 10 HYGIENE	49 mm
Type 20S HYGIENE	102 mm
Type 30 HYGIENE	157 mm
Connecting pitch	$h = H - 57$ mm
Connecting thread	4 × G1/2" inside
Highest allowed working pressure	10 bar
Highest allowed working temperature	110 °C
Radiator connection	left or right side

## Examples of connection to the heating system



side - one side  
 $\varphi = 1$



side - two sides diagonal  
 $\varphi = 1$   
recommended for:  $L \geq 3 \times H$



side - two sides direct  
 $\varphi = 0,9$

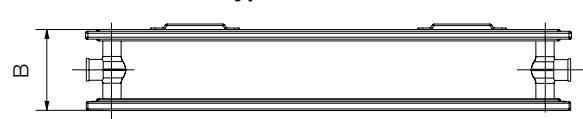
## Overview of types



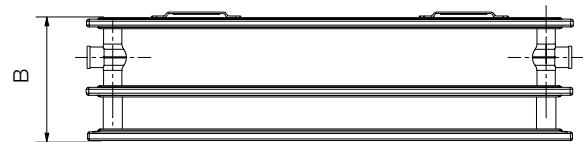
Type 10 HYGIENE



Type 20S HYGIENE



Type 30 HYGIENE



Guidelines for ordering are described on page 67.

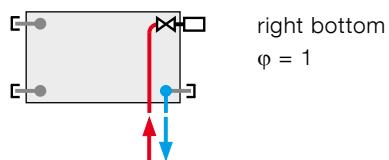
The company reserves the right to make technical changes.



## Technical data

<b>Height H</b>	503, 603, 703 mm
<b>Length L</b>	404, 504, 604, 704, 804, 904, 1004, 1104, 1204, 1404, 1604, 1804, 2004 mm
<b>Depth B</b>	
Type 10 HYGIENE VK	49 mm
Type 20S HYGIENE VK	102 mm
Type 30 HYGIENE VK	157 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 × G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	right bottom

## Examples of connection to the heating system



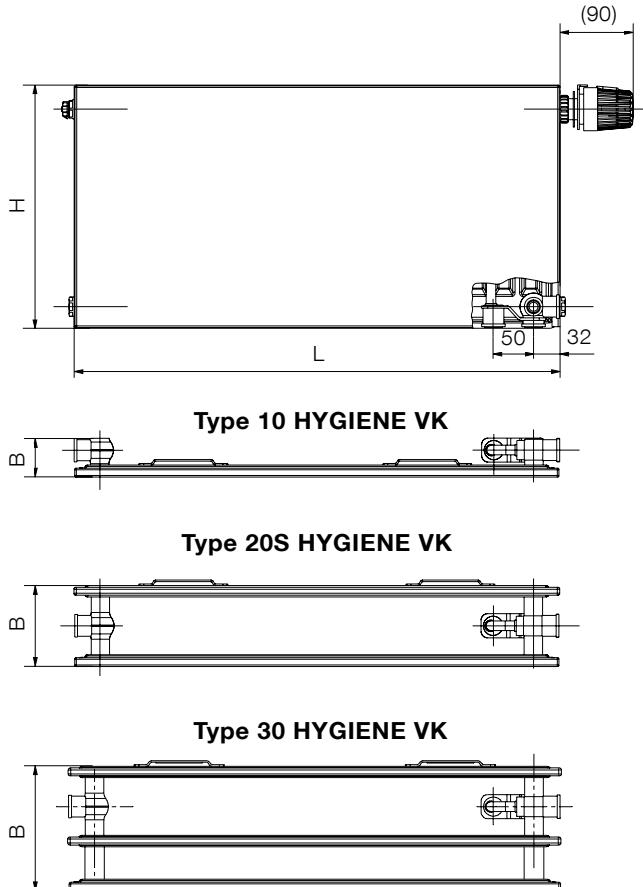
## Description

**RADIK HYGIENE VK** is a panel radiator, in design VENTIL KOMPAKT, which enables the **right bottom connection** to the heating system. It is designed for pressurized heating systems.

It is suitable for installation and operation in rooms with high demands on hygiene and cleanliness. All types are without convector fins; they have a smooth front panel and the weld seams are covered with a special flat strip. The type 20S is typical for a greater spacing between the panels (radiator depth B = 102 mm) compared with the traditional design of type 20 (B = 66 mm).

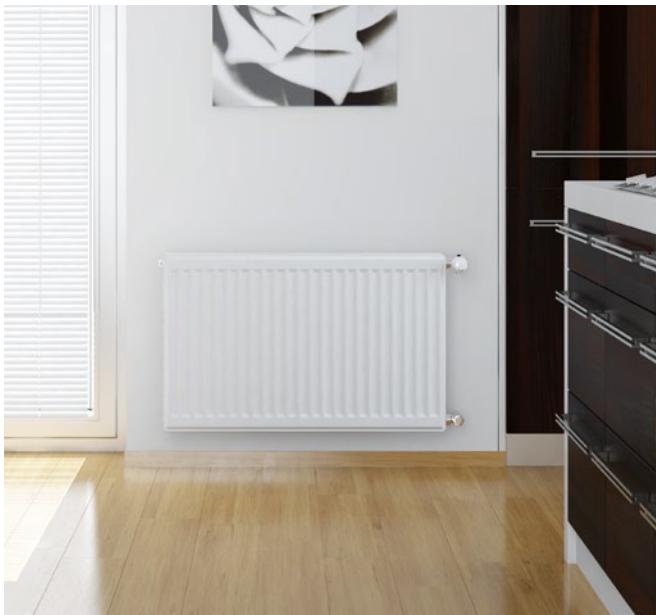
On the rear side, two upper and two lower hangers are welded. Radiators with the length of 1800 mm and longer have six welded hangers. The standard product equipment includes an air-vent and a blanking plug.

## Overview of types



Guidelines for ordering are described on page 67.

# RADIK CLEAN



## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm
<b>Depth B</b>	
Type 10 CLEAN	47 mm
Type 20S CLEAN	100 mm
Type 30 CLEAN	155 mm
<b>Connecting pitch</b>	$h = H - 54 \text{ mm}$
<b>Connecting thread</b>	4 × G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	left or right side

## Examples of connection to the heating system



side - one side  
 $\varphi = 1$



side - two sides diagonal  
 $\varphi = 1$   
 recommended for:  $L \geq 3 \times H$



side - two sides direct  
 $\varphi = 0,9$

## Description

The **RADIK CLEAN** model is a steel panel radiator in the KLASIK version, which allows for **left or right side connection** to the heating system. It is designed for pressurised heating systems or those with gravity circulation. It is intended for installation and operation in rooms with high demands on hygiene and cleanliness. All types are supplied without convector fins, grilles and side covers.

Two upper and two lower fixing hangers are welded to the back, radiators 1800mm in length or longer have six fixing hangers welded to the back. Basic equipment includes an air vent and blanking plug.

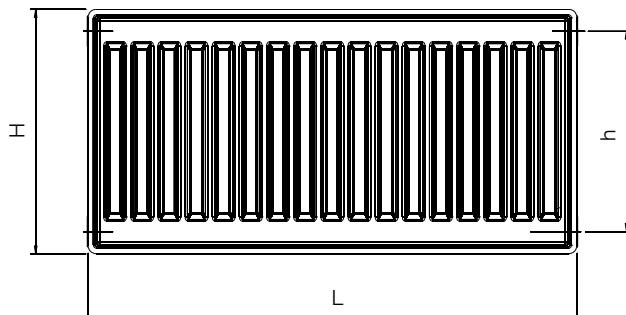
### Notice:

If a distance from the wall  $65 \div 80 \text{ mm}$  is required, the same type of bracket can be used, but the bracket must also be used on the lower pair of fixing hangers (not just the plastic support). In this case it is necessary to order the additional brackets separately, they are not part of delivery.

### Note:

The RADIK CLEAN type 10 and RADIK KLASIK type 10 radiators are identical.

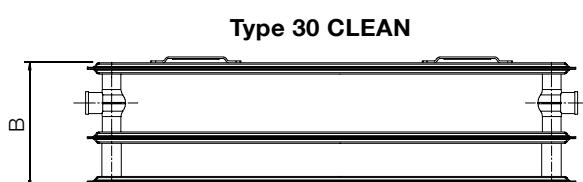
## Overview of types



Type 10 CLEAN



Type 20S CLEAN



Type 30 CLEAN

Guidelines for ordering are described on page 67.

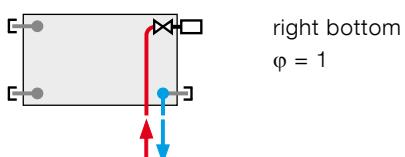
The company reserves the right to make technical changes.



## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm
<b>Depth B</b>	
Type 10 CLEAN VK	47 mm
Type 20S CLEAN VK	100 mm
Type 30 CLEAN VK	155 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 × G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	right bottom

## Examples of connection to the heating system



## Description

The **RADIK CLEAN VK** model is a steel panel radiator in the VENTIL KOMPAKT version, which allows for **bottom right connection** to the heating system. It is designed for pressurised heating systems.

It is intended for installation and operation in rooms with high demands on hygiene and cleanliness. All types are supplied without convector fins, grilles and side covers.

Two upper and two lower fixing hangers are welded to the back, radiators 1800 mm in length or longer have six fixing hangers welded to the back. Basic equipment includes air vent and blanking plug.

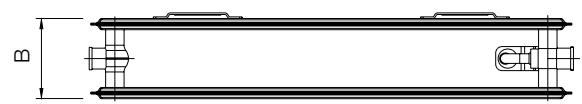
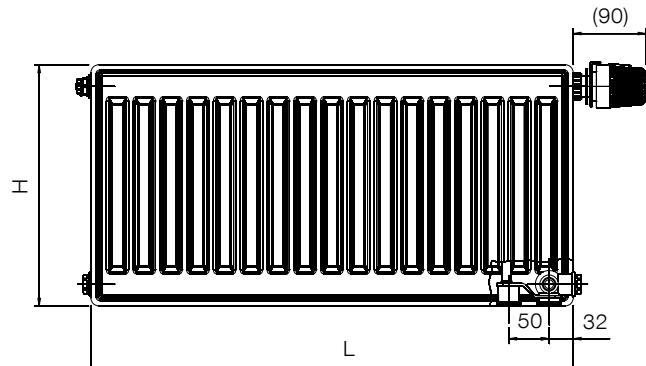
### Notice:

If a distance from the wall 65 ÷ 80 mm is required, the same type of bracket can be used, but the bracket must also be used on the lower pair of fixing hangers (not just the plastic support). In this case it is necessary to order the additional brackets separately, they are not part of delivery.

### Note:

The RADIK CLEAN VK type 10 and RADIK VK type 10 radiators are identical.

## Overview of types



Guidelines for ordering are described on page 67.

# STEEL PANEL RADIATORS IN HEIGHT 200 mm

## RADIK KLASIK

### Technical data

<b>Height H</b>	200 mm
<b>Length L</b>	800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm
<b>Depth B</b>	
Type 22	100 mm
Type 33	155 mm
<b>Connecting pitch</b>	$h = H - 54 \text{ mm}$
<b>Connecting thread</b>	4 x G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	left or right side

### Examples of connection to the heating system

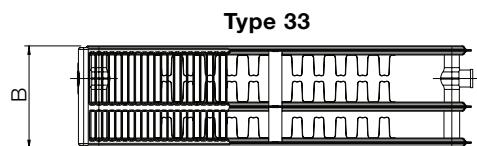
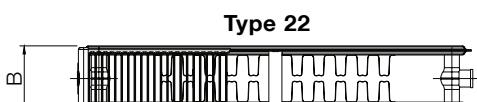
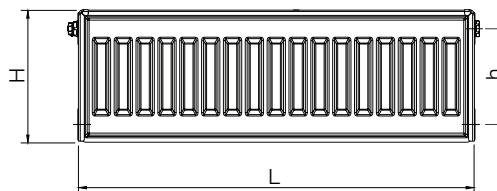


side - one side  
φ = 1

### Description

**RADIK KLASIK** model is a steel panel radiator in KLASIK version which allows **left or right side connection** to the heating system. It is intended for heating systems which are gravity or pressure fed. No hangers are welded on the back of the radiator.

### Overview of types

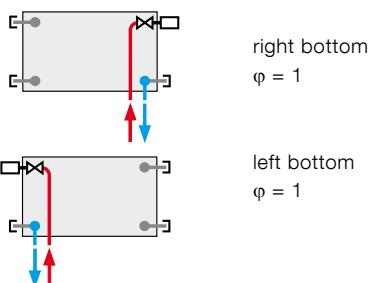


## RADIK VKU

### Technical data

<b>Height H</b>	200 mm
<b>Length L</b>	800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm
<b>Depth B</b>	
Type 22 VKU	100 mm
Type 33 VKU	155 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 x G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	left or right bottom

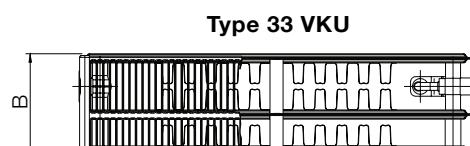
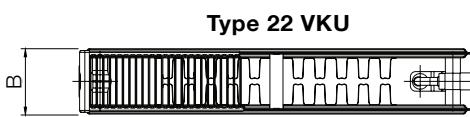
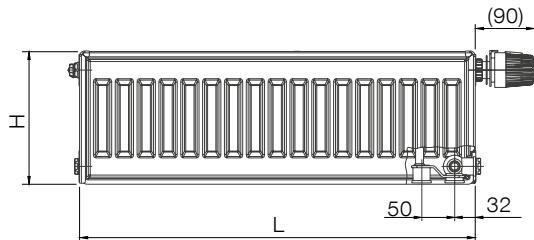
### Examples of connection to the heating system



### Description

**RADIK VKU** model is a steel panel radiator in VENTIL KOMPAKT version which allows **left or right bottom connection** to a pressurized heating system. No hangers are welded on the back of the radiator.

### Overview of types



Guidelines for ordering are described on page 67.

The company reserves the right to make technical changes.

# STEEL PANEL RADIATORS IN HEIGHT 200mm

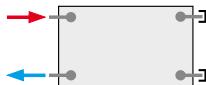


## RADIK PLAN KLASIK, LINE KLASIK

### Technical data

<b>Height H</b>	200 mm
<b>Length L</b>	800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000mm
<b>Depth B</b>	102 mm
Type 22 PLAN	102 mm
Type 33 PLAN	157 mm
<b>Connecting pitch</b>	$h = H - 54 \text{ mm}$
<b>Connecting thread</b>	4 × G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	left or right side

### Examples of connection to the heating system

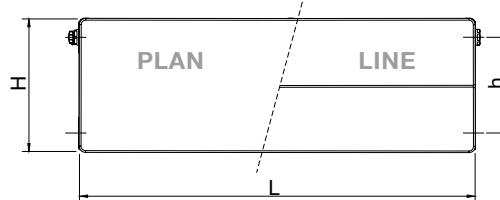


side - one side  
 $\varphi = 1$

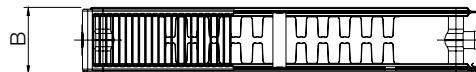
### Description

**RADIK PLAN KLASIK (RADIK LINE KLASIK)** model is a steel panel radiator in KLASIK version and PLAN (LINE) version which allows **left or right side connection** to the heating system. It is intended for heating systems which are gravity or pressure fed. No hangers are welded on the back of the radiator.

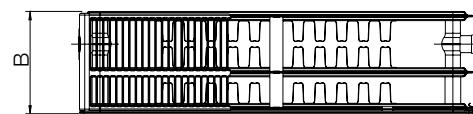
### Overview of types



Type 22 PLAN/LINE



Type 33 PLAN/LINE

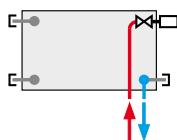


## RADIK PLAN VK, LINE VK

### Technical data

<b>Height H</b>	200 mm
<b>Length L</b>	800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000mm
<b>Depth B</b>	102 mm
Type 22 PLAN VK	102 mm
Type 33 PLAN VK	157 mm
<b>Connecting pitch</b>	50 mm
<b>Connecting thread</b>	6 × G1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	right bottom

### Examples of connection to the heating system

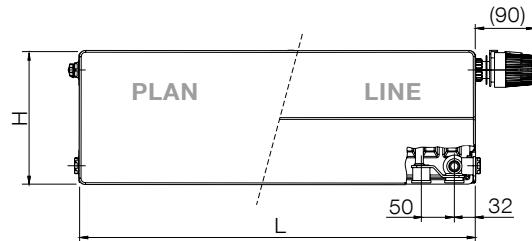


right bottom  
 $\varphi = 1$

### Description

**RADIK PLAN VK (RADIK LINE VK)** model is a steel panel radiator in VENTIL KOMPAKT version and PLAN (LINE) version which allows **right bottom connection** to a pressurized heating system. No hangers are welded on the back of the radiator.

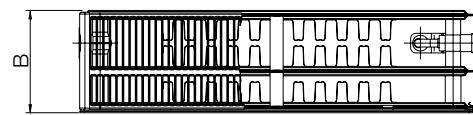
### Overview of types



Type 22 PLAN VK/LINE VK



Type 33 PLAN VK/LINE VK



Guidelines for ordering are described on page 67.

# MOUNTING OF STEEL PANEL RADIATORS IN HEIGHT 200 mm

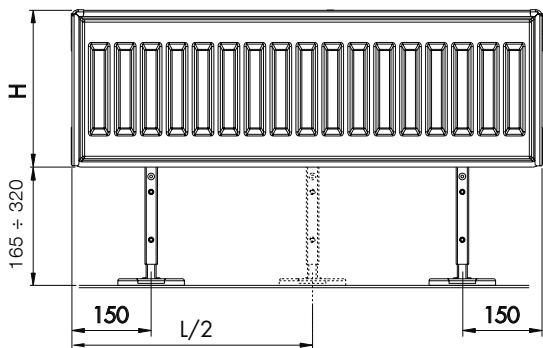
## Mounting

Steel panel radiators RADIK in height 200mm can be mounted on the wall as well as on the floor. Radiators are delivered with the necessary number of „Split brackets Plus“ designed for wall mounting as standard.

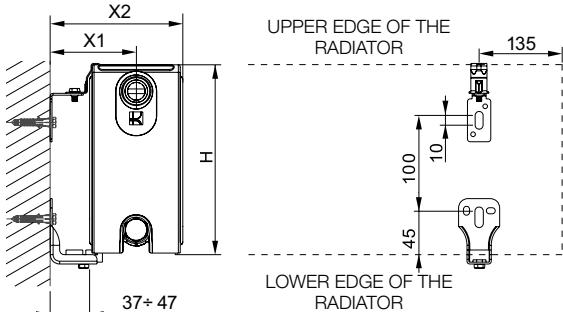
Mounting on the floor can be carried out with special stand brackets Z-U400 which are not delivered as standard, and must be ordered separately.

Radiators in lengths up to 1800 mm are mounted with two brackets, radiators in length 1800 mm and longer are mounted with three brackets.

## Mounting on the floor



## Mounting on the wall



Type	22	33
X1	87÷97	87÷97
X2	137÷147	192÷202

The **X2** figure is increased by 2 mm for PLAN (LINE) radiators.

## Ordering brackets

Type	Code for ordering
Split bracket Plus – set 2 pcs	Z-U556
Split bracket Plus – set 3 pcs	Z-U557
Stand bracket for types 22, 33	Z-U400



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 10 Type 10 VK						Type 11 Type 11 VK						Type 20 Type 20 VK				
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]																
		300	400	500	600	700	900	300	400	500	600	700	900	500	600	700		
400	75/65			206	242	278	350	220	283	343	401	456	558	335	391	447		
	70/55			166	196	225	283	177	229	277	324	368	450	271	317	361		
	55/45			105	125	143	179	112	145	176	205	233	284	173	201	228		
	45/40			72	86	98	123	77	99	120	141	160	194	119	138	156		
500	75/65	165	212	257	302	347	438	275	354	429	501	570	697	419	489	559		
	70/55	133	171	208	245	281	354	222	286	347	405	460	562	339	396	451		
	55/45	84	108	132	156	179	224	140	181	219	256	291	355	216	252	285		
	45/40	57	74	91	107	123	154	96	124	150	176	199	243	148	173	195		
600	75/65	198	254	308	362	416	525	329	425	515	601	683	836	503	587	670		
	70/55	159	205	249	294	337	424	266	343	416	486	552	675	407	475	541		
	55/45	100	129	158	187	214	269	168	217	263	308	349	426	259	302	342		
	45/40	68	89	109	129	148	185	115	149	181	211	239	291	178	208	234		
700	75/65			360	423	486	613	384	496	601	701	797	976	587	685	782		
	70/55			291	343	393	495	310	400	485	567	644	787	475	554	631		
	55/45			185	218	250	314	196	253	307	359	407	497	302	352	399		
	45/40			127	150	172	215	134	174	211	246	279	340	208	242	273		
800	75/65			411	483	555	700	439	566	686	802	911	1115	670	782	894		
	70/55			333	392	450	566	355	457	555	648	736	900	543	633	721		
	55/45			211	249	286	359	224	289	351	410	466	568	345	402	455		
	45/40			145	172	197	246	154	198	241	281	319	388	237	277	312		
900	75/65			463	544	625	788	494	637	772	902	1025	1255	754	880	1005		
	70/55			374	440	506	637	399	515	624	729	828	1012	611	712	811		
	55/45			237	281	322	404	252	326	395	462	524	639	388	453	512		
	45/40			163	193	221	277	173	223	271	317	359	437	267	311	351		
1000	75/65			514	604	694	875	549	708	858	1002	1139	1394	838	978	1117		
	70/55			416	489	562	707	443	572	693	810	920	1125	678	792	901		
	55/45			264	312	357	449	280	362	439	513	582	710	431	503	569		
	45/40			181	215	246	308	192	248	301	352	399	486	297	346	390		
1100	75/65			565	664	763	963	604	779	944	1102	1253	1533	922	1076	1229		
	70/55			457	538	618	778	488	629	763	891	1012	1237	746	871	992		
	55/45			290	343	393	493	308	398	483	564	640	781	474	553	626		
	45/40			199	236	271	339	211	273	331	387	439	534	326	381	429		
1200	75/65			617	725	833	1050	659	850	1030	1202	1367	1673	1006	1174	1340		
	70/55			499	587	674	849	532	686	832	972	1104	1350	814	950	1082		
	55/45			316	374	429	538	336	434	527	616	699	852	518	604	683		
	45/40			217	258	295	369	230	298	361	422	479	583	356	415	467		
1400	75/65			720	846	972	1225	769	991	1201	1403	1595	1952	1173	1369	1564		
	70/55			582	685	787	990	621	801	970	1134	1288	1575	950	1108	1262		
	55/45			369	437	500	628	392	507	614	718	815	994	604	704	797		
	45/40			253	301	344	431	269	347	421	493	558	680	415	484	545		
1600	75/65			822	966	1110	1400	878	1133	1373	1603	1822	2230	1341	1565	1787		
	70/55			665	783	899	1132	709	915	1109	1296	1472	1800	1085	1266	1442		
	55/45			422	499	572	718	449	579	702	821	931	1136	690	805	911		
	45/40			290	344	394	493	307	397	481	563	638	777	475	554	623		
1800	75/65			925	1087	1249		988	1274	1544	1804	2050		1508	1760	2011		
	70/55			748	881	1011		798	1029	1248	1458	1656		1221	1425	1623		
	55/45			475	561	643		505	651	790	923	1048		776	906	1025		
	45/40			326	387	443		346	446	542	633	718		534	623	701		
2000	75/65			1028	1208	1388		1098	1416	1716	2004	2278		1676	1956	2234		
	70/55			831	979	1124		887	1144	1386	1620	1840		1357	1583	1803		
	55/45			527	624	715		561	724	878	1026	1164		863	1006	1139		
	45/40			362	430	492		384	496	602	704	798		593	692	779		
2300	75/65												1973	2305	2620	1927	2249	2569
	70/55												1594	1862	2116	1560	1821	2073
	55/45												1009	1180	1339	992	1157	1310
	45/40												692	809	917	682	796	896
2600	75/65												2231	2605	2961	2179	2543	2904
	70/55												1802	2105	2392	1764	2058	2344
	55/45												1141	1334	1514	1121	1308	1480
	45/40												782	915	1037	771	900	1013
3000	75/65												2574	3006	3417	2514	2934	3351
	70/55												2080	2429	2760	2035	2375	2704
	55/45												1317	1539	1746	1294	1509	1708
	45/40												903	1055	1197	890	1038	1169

# RADIK KLASIK, VK

## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 21 Type 21 VK						Type 22 Type 22 VK						Type 33 Type 33 VK							
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]																			
		300	400	500	600	700	900	200	300	400	500	600	700	900	200	300	400	500	600	700	900
400	75/65	298	375	447	515	580	702	386	486	581	672	759	925	552	695	832	962	1089	1331		
	70/55	240	302	360	415	466	563	311	392	468	541	610	742	447	562	670	774	875	1067		
	55/45	152	191	227	261	292	351	196	246	294	340	382	462	284	356	422	485	547	664		
	45/40	104	130	155	178	199	237	134	168	200	231	260	313	196	244	288	329	371	448		
500	75/65	373	469	559	644	725	877	483	608	726	840	949	1157	690	869	1040	1203	1362	1664		
	70/55	301	378	450	519	583	703	389	490	585	676	763	928	558	702	838	967	1093	1333		
	55/45	190	238	283	326	366	438	245	308	367	424	478	578	355	444	527	606	683	830		
	45/40	130	163	193	222	249	297	167	210	250	289	325	391	245	305	360	412	463	561		
600	75/65	447	562	670	773	870	1052	580	730	871	1007	1138	1388	827	1043	1247	1444	1634	1997		
	70/55	361	453	540	622	700	844	467	588	701	811	915	1113	670	842	1005	1160	1312	1600		
	55/45	228	286	340	391	439	526	294	370	441	509	573	694	426	533	633	727	820	996		
	45/40	156	195	232	267	298	356	200	252	300	347	390	469	294	366	432	494	556	673		
700	75/65	522	656	782	902	1015	1228	676	851	1016	1175	1328	1619	965	1217	1455	1684	1906	2330		
	70/55	421	529	630	726	816	985	545	686	818	946	1068	1299	782	983	1173	1354	1531	1867		
	55/45	266	334	397	457	512	614	343	431	514	594	669	809	497	622	738	848	957	1161		
	45/40	182	228	271	311	348	415	234	294	350	405	454	548	342	426	504	576	649	785		
800	75/65	596	750	894	1030	1160	1403	519	773	973	1162	1343	1518	1850	747	1103	1390	1663	1925	2178	2662
	70/55	481	604	720	830	933	1125	423	623	783	935	1081	1220	1484	608	893	1123	1340	1547	1749	2134
	55/45	304	381	453	522	585	701	273	392	493	588	679	764	925	391	569	711	844	969	1093	1327
	45/40	208	260	310	356	398	475	190	267	336	401	462	519	626	272	391	487	576	658	741	897
900	75/65	671	843	1005	1159	1305	1579	584	869	1094	1307	1511	1707	2082	841	1241	1564	1871	2165	2451	2995
	70/55	541	680	810	934	1050	1266	476	700	881	1052	1216	1373	1670	684	1005	1264	1508	1741	1968	2400
	55/45	342	429	510	587	658	789	308	441	554	661	764	860	1041	440	640	800	949	1090	1230	1493
	45/40	234	293	348	400	447	534	214	301	378	451	520	584	704	306	440	548	648	741	834	1009
1000	75/65	745	937	1117	1288	1450	1754	649	966	1216	1452	1679	1897	2313	934	1379	1738	2079	2406	2723	3328
	70/55	601	756	900	1037	1166	1407	529	778	979	1169	1351	1525	1855	760	1117	1404	1675	1934	2187	2667
	55/45	380	476	567	652	731	877	342	490	616	735	849	955	1156	489	711	889	1055	1211	1366	1659
	45/40	260	326	387	445	497	593	238	334	420	501	578	649	782	340	489	609	720	823	927	1121
1100	75/65	820	1031	1229	1417	1595	1929	714	1063	1338	1597	1847	2087	2544	1027	1517	1912	2287	2647	2995	3661
	70/55	661	831	990	1141	1283	1547	582	856	1077	1286	1487	1678	2041	836	1228	1544	1843	2128	2405	2934
	55/45	418	524	624	718	804	964	376	539	678	808	934	1051	1272	538	782	978	1160	1332	1503	1825
	45/40	286	358	426	489	547	652	262	367	462	551	636	714	861	374	538	670	792	905	1019	1233
1200	75/65	894	1124	1340	1546	1740	2105	779	1159	1459	1742	2015	2276	2776	1121	1655	2086	2495	2887	3268	3994
	70/55	721	907	1080	1245	1399	1688	635	934	1175	1403	1622	1830	2226	912	1340	1685	2010	2321	2624	3200
	55/45	456	572	680	783	877	1052	410	588	739	882	1019	1146	1387	587	853	1067	1266	1454	1640	1991
	45/40	312	391	464	534	597	712	286	401	504	601	694	779	939	408	587	731	864	988	1112	1345
1400	75/65	1043	1312	1564	1803	2030	2456	909	1352	1702	2033	2351	2656	3238	1308	1931	2433	2911	3368	3812	4659
	70/55	842	1058	1260	1452	1633	1969	741	1090	1371	1637	1892	2135	2597	1064	1564	1966	2346	2708	3061	3734
	55/45	532	667	794	913	1024	1227	478	686	862	1029	1188	1338	1619	685	995	1244	1477	1696	1913	2323
	45/40	364	456	542	623	696	830	333	468	588	701	809	909	1095	476	685	853	1008	1152	1297	1570
1600	75/65	1192	1499	1787	2061	2320	2806	1038	1546	1946	2323	2686	3035	3701	1494	2206	2781	3326	3850	4357	5325
	70/55	962	1209	1440	1660	1866	2251	847	1245	1567	1871	2162	2440	2968	1216	1787	2246	2681	3095	3499	4267
	55/45	607	762	907	1044	1170	1403	547	784	985	1176	1358	1529	1850	782	1137	1422	1688	1938	2186	2655
	45/40	416	521	619	711	795	949	381	535	672	801	925	1039	1252	543	783	975	1152	1317	1483	1794
1800	75/65	1341	1687	2011	2318	2610	3157	1168	1739	2189	2614	3022	3415	4163	1681	2482	3128	3742	4331	4901	5990
	70/55	1082	1360	1620	1867	2099	2532	953	1401	1763	2104	2433	2745	3339	1368	2010	2527	3016	3481	3936	4800
	55/45	683	858	1020	1174	1316	1578	615	882	1109	1323	1528	1720	2081	880	1279	1600	1899	2180	2460	2987
	45/40	467	586	696	800	895	1068	429	601	756	901	1041	1169	1408	611	881	1097	1296	1481	1668	2018
2000	75/65	1490	1874	2234	2576	2900	3508	1298	1932	2432	2904	3358	3794	4626	1868	2758	3476	4158	4812	5446	6656
	70/55	1202	1511	1800	2075	2332	2813	1058	1557	1959	2338	2703	3050	3710	1520	2234	2808	3351	3868	4373	5334
	55/45	759	953	1134	1305	1462	1753	683	980	1232	1470	1698	1911	2312	978	1421	1778	2110	2423	2733	3318
	45/40	519	651	774	889	994	1186	476	668	840	1001	1156	1299	1565	679	979	1218	1440	1646	1853	2242
2300	75/65	2569	2962	3335																	



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 10 Type 10 VK						Type 11 Type 11 VK					
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]											
		300	400	500	600	700	900	300	400	500	600	700	900
400	75/65			206	242	278	350	220	283	343	401	456	558
	70/55			166	196	225	283	177	229	277	324	368	450
	55/45			105	125	143	179	112	145	176	205	233	284
	45/40			72	86	98	123	77	99	120	141	160	194
500	75/65	165	212	257	302	347	438	275	354	429	501	570	697
	70/55	133	171	208	245	281	354	222	286	347	405	460	562
	55/45	84	108	132	156	179	224	140	181	219	256	291	355
	45/40	57	74	91	107	123	154	96	124	150	176	199	243
600	75/65	198	254	308	362	416	525	329	425	515	601	683	836
	70/55	159	205	249	294	337	424	266	343	416	486	552	675
	55/45	100	129	158	187	214	269	168	217	263	308	349	426
	45/40	68	89	109	129	148	185	115	149	181	211	239	291
700	75/65			360	423	486	613	384	496	601	701	797	976
	70/55			291	343	393	495	310	400	485	567	644	787
	55/45			185	218	250	314	196	253	307	359	407	497
	45/40			127	150	172	215	134	174	211	246	279	340
800	75/65			411	483	555	700	439	566	686	802	911	1115
	70/55			333	392	450	566	355	457	555	648	736	900
	55/45			211	249	286	359	224	289	351	410	466	568
	45/40			145	172	197	246	154	198	241	281	319	388
900	75/65			463	544	625	788	494	637	772	902	1025	1255
	70/55			374	440	506	637	399	515	624	729	828	1012
	55/45			237	281	322	404	252	326	395	462	524	639
	45/40			163	193	221	277	173	223	271	317	359	437
1000	75/65			514	604	694	875	549	708	858	1002	1139	1394
	70/55			416	489	562	707	443	572	693	810	920	1125
	55/45			264	312	357	449	280	362	439	513	582	710
	45/40			181	215	246	308	192	248	301	352	399	486
1100	75/65			565	664	763	963	604	779	944	1102	1253	1533
	70/55			457	538	618	778	488	629	763	891	1012	1237
	55/45			290	343	393	493	308	398	483	564	640	781
	45/40			199	236	271	339	211	273	331	387	439	534
1200	75/65			617	725	833	1050	659	850	1030	1202	1367	1673
	70/55			499	587	674	849	532	686	832	972	1104	1350
	55/45			316	374	429	538	336	434	527	616	699	852
	45/40			217	258	295	369	230	298	361	422	479	583
1400	75/65			720	846	972	1225	769	991	1201	1403	1595	1952
	70/55			582	685	787	990	621	801	970	1134	1288	1575
	55/45			369	437	500	628	392	507	614	718	815	994
	45/40			253	301	344	431	269	347	421	493	558	680
1600	75/65			822	966	1110	1400	878	1133	1373	1603	1822	2230
	70/55			665	783	899	1132	709	915	1109	1296	1472	1800
	55/45			422	499	572	718	449	579	702	821	931	1136
	45/40			290	344	394	493	307	397	481	563	638	777
1800	75/65			925	1087	1249		988	1274	1544	1804	2050	
	70/55			748	881	1011		798	1029	1248	1458	1656	
	55/45			475	561	643		505	651	790	923	1048	
	45/40			326	387	443		346	446	542	633	718	
2000	75/65			1028	1208	1388		1098	1416	1716	2004	2278	
	70/55			831	979	1124		887	1144	1386	1620	1840	
	55/45			527	624	715		561	724	878	1026	1164	
	45/40			362	430	492		384	496	602	704	798	

# RADIK KLASIK - Z, VK - Z

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 21 Type 21 VK						Type 22 Type 22 VK						Type 33 Type 33 VK							
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]																			
		300	400	500	600	700	900	200	300	400	500	600	700	900	200	300	400	500	600	700	900
400	75/65	298	375	447	515	580	702		386	486	581	672	759	925		552	695	832	962	1089	1331
	70/55	240	302	360	415	466	563		311	392	468	541	610	742		447	562	670	774	875	1067
	55/45	152	191	227	261	292	351		196	246	294	340	382	462		284	356	422	485	547	664
	45/40	104	130	155	178	199	237		134	168	200	231	260	313		196	244	288	329	371	448
500	75/65	373	469	559	644	725	877		483	608	726	840	949	1157		690	869	1040	1203	1362	1664
	70/55	301	378	450	519	583	703		389	490	585	676	763	928		558	702	838	967	1093	1333
	55/45	190	238	283	326	366	438		245	308	367	424	478	578		355	444	527	606	683	830
	45/40	130	163	193	222	249	297		167	210	250	289	325	391		245	305	360	412	463	561
600	75/65	447	562	670	773	870	1052		580	730	871	1007	1138	1388		827	1043	1247	1444	1634	1997
	70/55	361	453	540	622	700	844		467	588	701	811	915	1113		670	842	1005	1160	1312	1600
	55/45	228	286	340	391	439	526		294	370	441	509	573	694		426	533	633	727	820	996
	45/40	156	195	232	267	298	356		200	252	300	347	390	469		294	366	432	494	556	673
700	75/65	522	656	782	902	1015	1228		676	851	1016	1175	1328	1619		965	1217	1455	1684	1906	2330
	70/55	421	529	630	726	816	985		545	686	818	946	1068	1299		782	983	1173	1354	1531	1867
	55/45	266	334	397	457	512	614		343	431	514	594	669	809		497	622	738	848	957	1161
	45/40	182	228	271	311	348	415		234	294	350	405	454	548		342	426	504	576	649	785
800	75/65	596	750	894	1030	1160	1403	519	773	973	1162	1343	1518	1850	747	1103	1390	1663	1925	2178	2662
	70/55	481	604	720	830	933	1125	423	623	783	935	1081	1220	1484	608	893	1123	1340	1547	1749	2134
	55/45	304	381	453	522	585	701	273	392	493	588	679	764	925	391	569	711	844	969	1093	1327
	45/40	208	260	310	356	398	475	190	267	336	401	462	519	626	272	391	487	576	658	741	897
900	75/65	671	843	1005	1159	1305	1579	584	869	1094	1307	1511	1707	2082	841	1241	1564	1871	2165	2451	2995
	70/55	541	680	810	934	1050	1266	476	700	881	1052	1216	1373	1670	684	1005	1264	1508	1741	1968	2400
	55/45	342	429	510	587	658	789	308	441	554	661	764	860	1041	440	640	800	949	1090	1230	1493
	45/40	234	293	348	400	447	534	214	301	378	451	520	584	704	306	440	548	648	741	834	1009
1000	75/65	745	937	1117	1288	1450	1754	649	966	1216	1452	1679	1897	2313	934	1379	1738	2079	2406	2723	3328
	70/55	601	756	900	1037	1166	1407	529	778	979	1169	1351	1525	1855	760	1117	1404	1675	1934	2187	2667
	55/45	380	476	567	652	731	877	342	490	616	735	849	955	1156	489	711	889	1055	1211	1366	1659
	45/40	260	326	387	445	497	593	238	334	420	501	578	649	782	340	489	609	720	823	927	1121
1100	75/65	820	1031	1229	1417	1595	1929	714	1063	1338	1597	1847	2087	2544	1027	1517	1912	2287	2647	2995	3661
	70/55	661	831	990	1141	1283	1547	582	856	1077	1286	1487	1678	2041	836	1228	1544	1843	2128	2405	2934
	55/45	418	524	624	718	804	964	376	539	678	808	934	1051	1272	538	782	978	1160	1332	1503	1825
	45/40	286	358	426	489	547	652	262	367	462	551	636	714	861	374	538	670	792	905	1019	1233
1200	75/65	894	1124	1340	1546	1740	2105	779	1159	1459	1742	2015	2276	2776	1121	1655	2086	2495	2887	3268	3994
	70/55	721	907	1080	1245	1399	1688	635	934	1175	1403	1622	1830	2226	912	1340	1685	2010	2321	2624	3200
	55/45	456	572	680	783	877	1052	410	588	739	882	1019	1146	1387	587	853	1067	1266	1454	1640	1991
	45/40	312	391	464	534	597	712	286	401	504	601	694	779	939	408	587	731	864	988	1112	1345
1400	75/65	1043	1312	1564	1803	2030	2456	909	1352	1702	2033	2351	2656	3238	1308	1931	2433	2911	3368	3812	4659
	70/55	842	1058	1260	1452	1633	1969	741	1090	1371	1637	1892	2135	2597	1064	1564	1966	2346	2708	3061	3734
	55/45	532	667	794	913	1024	1227	478	686	862	1029	1188	1338	1619	685	995	1244	1477	1696	1913	2323
	45/40	364	456	542	623	696	830	333	468	588	701	809	909	1095	476	685	853	1008	1152	1297	1570
1600	75/65	1192	1499	1787	2061	2320	2806	1038	1546	1946	2323	2686	3035	3701	1494	2206	2781	3326	3850	4357	5325
	70/55	962	1209	1440	1660	1866	2251	847	1245	1567	1871	2162	2440	2968	1216	1787	2246	2681	3095	3499	4267
	55/45	607	762	907	1044	1170	1403	547	784	985	1176	1358	1529	1850	782	1137	1422	1688	1938	2186	2655
	45/40	416	521	619	711	795	949	381	535	672	801	925	1039	1252	543	783	975	1152	1317	1483	1794
1800	75/65	1341	1687	2011	2318	2610	3157	1168	1739	2189	2614	3022	3415	4163	1681	2482	3128	3742	4331	4901	5990
	70/55	1082	1360	1620	1867	2099	2532	953	1401	1763	2104	2433	2745	3339	1368	2010	2527	3016	3481	3936	4800
	55/45	683	858	1020	1174	1316	1578	615	882	1109	1323	1528	1720	2081	880	1279	1600	1899	2180	2460	2987
	45/40	467	586	696	800	895	1068	429	601	756	901	1041	1169	1408	611	881	1097	1296	1481	1668	2018
2000	75/65	1490	1874	2234	2576	2900	3508	1298	1932	2432	2904	3358	3794	4626	1868	2758	3476	4158	4812	5446	6656
	70/55	1202	1511	1800	2075	2332	2813	1058	1557	1959	2338	2703	3050	3710	1520	2234	2808	3351	3868	4373	5334
	55/45	759	953	1134	1305	1462	1753	683	980	1232	1470	1698	1911	2312	978	1421	1778	2110	2423	2733	3318
	45/40	519	651	774	889	994	1186	476	668	840	1001	1156	1299	1565	679	979	1218	1440	1646	1853	2242

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# RADIK KLASIK - R, PLAN KLASIK - R, LINE KLASIK - R



HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

## RADIK KLASIK - R

20 °C		Type 20	Type 21	Type 22	Type 33
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]			
		554	554	554	554
400	75/65	366	484	630	903
	70/55	296	390	507	727
	55/45	188	245	319	456
	45/40	129	167	217	311
500	75/65	457	605	788	1129
	70/55	370	487	634	908
	55/45	235	307	399	570
	45/40	162	209	272	388
600	75/65	548	726	946	1354
	70/55	444	585	761	1090
	55/45	282	368	478	684
	45/40	194	251	326	466
700	75/65	640	847	1103	1580
	70/55	518	682	888	1271
	55/45	329	429	558	798
	45/40	226	293	380	543
800	75/65	731	968	1261	1806
	70/55	592	780	1015	1453
	55/45	376	491	638	912
	45/40	259	335	434	621
900	75/65	823	1089	1418	2031
	70/55	666	877	1142	1635
	55/45	423	552	717	1026
	45/40	291	377	489	699
1000	75/65	914	1210	1576	2257
	70/55	740	975	1269	1816
	55/45	470	613	797	1140
	45/40	323	418	543	776
1100	75/65	1005	1331	1734	2483
	70/55	814	1072	1396	1998
	55/45	517	675	877	1254
	45/40	356	460	597	854
1200	75/65	1097	1452	1891	2708
	70/55	888	1170	1522	2180
	55/45	564	736	957	1368
	45/40	388	502	652	932
1400	75/65	1280	1694	2206	3160
	70/55	1036	1365	1776	2543
	55/45	658	859	1116	1597
	45/40	453	586	760	1087
1600	75/65	1462	1936	2522	3611
	70/55	1184	1560	2030	2906
	55/45	752	981	1275	1825
	45/40	517	669	869	1242
1800	75/65	1645	2178	2837	4063
	70/55	1332	1755	2284	3269
	55/45	846	1104	1435	2053
	45/40	582	753	977	1398
2000	75/65	1828	2420	3152	4514
	70/55	1480	1950	2537	3633
	55/45	940	1227	1594	2281
	45/40	647	837	1086	1553

## RADIK PLAN/LINE KLASIK - R

20 °C		Type 20	Type 21	Type 22	Type 33
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]			
		554	554	554	554
400	75/65	338	459	613	878
	70/55	275	370	494	709
	55/45	176	234	312	448
	45/40	122	160	213	306
500	75/65	423	574	766	1098
	70/55	344	463	618	886
	55/45	220	292	390	559
	45/40	152	200	266	383
600	75/65	508	689	919	1318
	70/55	412	556	741	1063
	55/45	264	351	468	671
	45/40	183	240	320	459
700	75/65	592	804	1072	1537
	70/55	481	648	865	1240
	55/45	308	409	546	783
	45/40	213	280	373	536
800	75/65	677	918	1226	1757
	70/55	550	741	989	1418
	55/45	352	468	624	895
	45/40	244	320	426	612
900	75/65	761	1033	1379	1976
	70/55	618	833	1112	1595
	55/45	396	526	702	1007
	45/40	274	360	480	689
1000	75/65	846	1148	1532	2196
	70/55	687	926	1236	1772
	55/45	440	584	780	1119
	45/40	304	400	533	765
1100	75/65	931	1263	1685	2416
	70/55	756	1019	1359	1949
	55/45	484	643	858	1231
	45/40	335	440	586	842
1200	75/65	1015	1378	1838	2635
	70/55	825	1111	1483	2126
	55/45	528	701	935	1343
	45/40	365	479	639	918
1400	75/65	1184	1607	2145	3074
	70/55	962	1297	1730	2481
	55/45	616	818	1091	1566
	45/40	426	559	746	1071
1600	75/65	1354	1837	2451	3514
	70/55	1099	1482	1977	2835
	55/45	704	935	1247	1790
	45/40	487	639	853	1224
1800	75/65	1523	2066	2758	3953
	70/55	1237	1667	2224	3190
	55/45	792	1052	1403	2014
	45/40	548	719	959	1377
2000	75/65	1692	2296	3064	4392
	70/55	1374	1852	2471	3544
	55/45	880	1169	1559	2238
	45/40	609	799	1066	1531

# RADIK MATERNELLE VK, MATERNELLE VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		32 VK 32 VKL					
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]					
		300	400	500	600	700	900
400	75/65	397	492	582	670	756	926
	70/55	321	398	471	541	610	743
	55/45	204	252	298	343	384	463
	45/40	140	173	205	235	262	313
500	75/65	496	615	728	838	946	1158
	70/55	401	497	588	677	762	928
	55/45	255	315	373	429	480	579
	45/40	175	217	256	294	328	392
600	75/65	595	737	873	1005	1135	1389
	70/55	482	596	706	812	915	1114
	55/45	306	379	448	515	576	694
	45/40	210	260	307	353	393	470
700	75/65	694	860	1019	1173	1324	1621
	70/55	562	696	823	948	1067	1300
	55/45	357	442	522	600	672	810
	45/40	245	303	358	412	459	548
800	75/65	794	983	1164	1340	1513	1852
	70/55	642	795	941	1083	1219	1485
	55/45	408	505	597	686	768	926
	45/40	281	347	410	471	525	626
900	75/65	893	1106	1310	1508	1702	2084
	70/55	722	895	1059	1218	1372	1671
	55/45	459	568	671	772	864	1041
	45/40	316	390	461	529	590	705
1000	75/65	992	1229	1455	1675	1891	2315
	70/55	803	994	1176	1354	1524	1857
	55/45	510	631	746	858	960	1157
	45/40	351	433	512	588	656	783
1100	75/65	1091	1352	1601	1843	2080	2547
	70/55	883	1094	1294	1489	1677	2042
	55/45	561	694	821	943	1056	1273
	45/40	386	477	563	647	721	861
1200	75/65	1190	1475	1746	2010	2269	2778
	70/55	963	1193	1412	1624	1829	2228
	55/45	612	757	895	1029	1152	1389
	45/40	421	520	614	706	787	940
1400	75/65	1389	1721	2037	2345	2647	3241
	70/55	1124	1392	1647	1895	2134	2599
	55/45	714	883	1044	1201	1345	1620
	45/40	491	607	717	823	918	1096
1600	75/65	1587	1966	2328	2680	3026	3704
	70/55	1284	1591	1882	2166	2439	2971
	55/45	816	1010	1194	1372	1537	1852
	45/40	561	694	819	941	1049	1253
1800	75/65	1786	2212	2619	3015	3404	4167
	70/55	1445	1789	2117	2437	2744	3342
	55/45	918	1136	1343	1544	1729	2083
	45/40	631	780	922	1059	1180	1410
2000	75/65	1984	2458	2910	3350	3782	4630
	70/55	1606	1988	2353	2707	3049	3713
	55/45	1020	1262	1492	1715	1921	2314
	45/40	701	867	1024	1176	1312	1566
2300	75/65	2282	2827	3347	3853	4349	
	70/55	1846	2286	2706	3113	3506	
	55/45	1173	1451	1716	1972	2209	
	45/40	807	997	1178	1353	1508	
2600	75/65	2579	3195	3783	4355	4917	
	70/55	2087	2585	3059	3519	3963	
	55/45	1326	1641	1939	2230	2497	
	45/40	912	1127	1331	1529	1705	
3000	75/65	2976	3687	4365	5025	5673	
	70/55	2408	2982	3529	4061	4573	
	55/45	1530	1893	2238	2573	2881	
	45/40	1052	1300	1536	1764	1967	



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 10 VKL						Type 11 VKL					
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]											
		300	400	500	600	700	900	300	400	500	600	700	900
400	75/65			206	242	278	350	220	283	343	401	456	558
	70/55			166	196	225	283	177	229	277	324	368	450
	55/45			105	125	143	179	112	145	176	205	233	284
	45/40			72	86	98	123	77	99	120	141	160	194
500	75/65	165	212	257	302	347	438	275	354	429	501	570	697
	70/55	133	171	208	245	281	354	222	286	347	405	460	562
	55/45	84	108	132	156	179	224	140	181	219	256	291	355
	45/40	57	74	91	107	123	154	96	124	150	176	199	243
600	75/65	198	254	308	362	416	525	329	425	515	601	683	836
	70/55	159	205	249	294	337	424	266	343	416	486	552	675
	55/45	100	129	158	187	214	269	168	217	263	308	349	426
	45/40	68	89	109	129	148	185	115	149	181	211	239	291
700	75/65			360	423	486	613	384	496	601	701	797	976
	70/55			291	343	393	495	310	400	485	567	644	787
	55/45			185	218	250	314	196	253	307	359	407	497
	45/40			127	150	172	215	134	174	211	246	279	340
800	75/65			411	483	555	700	439	566	686	802	911	1115
	70/55			333	392	450	566	355	457	555	648	736	900
	55/45			211	249	286	359	224	289	351	410	466	568
	45/40			145	172	197	246	154	198	241	281	319	388
900	75/65			463	544	625	788	494	637	772	902	1025	1255
	70/55			374	440	506	637	399	515	624	729	828	1012
	55/45			237	281	322	404	252	326	395	462	524	639
	45/40			163	193	221	277	173	223	271	317	359	437
1000	75/65			514	604	694	875	549	708	858	1002	1139	1394
	70/55			416	489	562	707	443	572	693	810	920	1125
	55/45			264	312	357	449	280	362	439	513	582	710
	45/40			181	215	246	308	192	248	301	352	399	486
1100	75/65			565	664	763	963	604	779	944	1102	1253	1533
	70/55			457	538	618	778	488	629	763	891	1012	1237
	55/45			290	343	393	493	308	398	483	564	640	781
	45/40			199	236	271	339	211	273	331	387	439	534
1200	75/65			617	725	833	1050	659	850	1030	1202	1367	1673
	70/55			499	587	674	849	532	686	832	972	1104	1350
	55/45			316	374	429	538	336	434	527	616	699	852
	45/40			217	258	295	369	230	298	361	422	479	583
1400	75/65			720	846	972	1225	769	991	1201	1403	1595	1952
	70/55			582	685	787	990	621	801	970	1134	1288	1575
	55/45			369	437	500	628	392	507	614	718	815	994
	45/40			253	301	344	431	269	347	421	493	558	680
1600	75/65			822	966	1110	1400	878	1133	1373	1603	1822	2230
	70/55			665	783	899	1132	709	915	1109	1296	1472	1800
	55/45			422	499	572	718	449	579	702	821	931	1136
	45/40			290	344	394	493	307	397	481	563	638	777
1800	75/65			925	1087	1249		988	1274	1544	1804	2050	
	70/55			748	881	1011		798	1029	1248	1458	1656	
	55/45			475	561	643		505	651	790	923	1048	
	45/40			326	387	443		346	446	542	633	718	
2000	75/65			1028	1208	1388		1098	1416	1716	2004	2278	
	70/55			831	979	1124		887	1144	1386	1620	1840	
	55/45			527	624	715		561	724	878	1026	1164	
	45/40			362	430	492		384	496	602	704	798	
2300	75/65									1973	2305	2620	
	70/55									1594	1862	2116	
	55/45									1009	1180	1339	
	45/40									692	809	917	
2600	75/65									2231	2605	2961	
	70/55									1802	2105	2392	
	55/45									1141	1334	1514	
	45/40									782	915	1037	
3000	75/65									2574	3006	3417	
	70/55									2080	2429	2760	
	55/45									1317	1539	1746	
	45/40									903	1055	1197	

## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 21 VKL						Type 22 VKL						Type 33 VKL							
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]																			
		300	400	500	600	700	900	300	400	500	600	700	900	300	400	500	600	700	900		
400	75/65	298	375	447	515	580	702	386	486	581	672	759	925	552	695	832	962	1089	1331		
	70/55	240	302	360	415	466	563	311	392	468	541	610	742	447	562	670	774	875	1067		
	55/45	152	191	227	261	292	351	196	246	294	340	382	462	284	356	422	485	547	664		
	45/40	104	130	155	178	199	237	134	168	200	231	260	313	196	244	288	329	371	448		
500	75/65	373	469	559	644	725	877	483	608	726	840	949	1157	690	869	1040	1203	1362	1664		
	70/55	301	378	450	519	583	703	389	490	585	676	763	928	558	702	838	967	1093	1333		
	55/45	190	238	283	326	366	438	245	308	367	424	478	578	355	444	527	606	683	830		
	45/40	130	163	193	222	249	297	167	210	250	289	325	391	245	305	360	412	463	561		
600	75/65	447	562	670	773	870	1052	580	730	871	1007	1138	1388	827	1043	1247	1444	1634	1997		
	70/55	361	453	540	622	700	844	467	588	701	811	915	1113	670	842	1005	1160	1312	1600		
	55/45	228	286	340	391	439	526	294	370	441	509	573	694	426	533	633	727	820	996		
	45/40	156	195	232	267	298	356	200	252	300	347	390	469	294	366	432	494	556	673		
700	75/65	522	656	782	902	1015	1228	676	851	1016	1175	1328	1619	965	1217	1455	1684	1906	2330		
	70/55	421	529	630	726	816	985	545	686	818	946	1068	1299	782	983	1173	1354	1531	1867		
	55/45	266	334	397	457	512	614	343	431	514	594	669	809	497	622	738	848	957	1161		
	45/40	182	228	271	311	348	415	234	294	350	405	454	548	342	426	504	576	649	785		
800	75/65	596	750	894	1030	1160	1403	773	973	1162	1343	1518	1850	1103	1390	1663	1925	2178	2662		
	70/55	481	604	720	830	933	1125	623	783	935	1081	1220	1484	893	1123	1340	1547	1749	2134		
	55/45	304	381	453	522	585	701	392	493	588	679	764	925	569	711	844	969	1093	1327		
	45/40	208	260	310	356	398	475	267	336	401	462	519	626	391	487	576	658	741	897		
900	75/65	671	843	1005	1159	1305	1579	869	1094	1307	1511	1707	2082	1241	1564	1871	2165	2451	2995		
	70/55	541	680	810	934	1050	1266	700	881	1052	1216	1373	1670	1005	1264	1508	1741	1968	2400		
	55/45	342	429	510	587	658	789	441	554	661	764	860	1041	640	800	949	1090	1230	1493		
	45/40	234	293	348	400	447	534	301	378	451	520	584	704	440	548	648	741	834	1009		
1000	75/65	745	937	1117	1288	1450	1754	966	1216	1452	1679	1897	2313	1379	1738	2079	2406	2723	3328		
	70/55	601	756	900	1037	1166	1407	778	979	1169	1351	1525	1855	1117	1404	1675	1934	2187	2667		
	55/45	380	476	567	652	731	877	490	616	735	849	955	1156	711	889	1055	1211	1366	1659		
	45/40	260	326	387	445	497	593	334	420	501	578	649	782	489	609	720	823	927	1121		
1100	75/65	820	1031	1229	1417	1595	1929	1063	1338	1597	1847	2087	2544	1517	1912	2287	2647	2995	3661		
	70/55	661	831	990	1141	1283	1547	856	1077	1286	1487	1678	2041	1228	1544	1843	2128	2405	2934		
	55/45	418	524	624	718	804	964	539	678	808	934	1051	1272	782	978	1160	1332	1503	1825		
	45/40	286	358	426	489	547	652	367	462	551	636	714	861	538	670	792	905	1019	1233		
1200	75/65	894	1124	1340	1546	1740	2105	1159	1459	1742	2015	2276	2776	1655	2086	2495	2887	3268	3994		
	70/55	721	907	1080	1245	1399	1688	934	1175	1403	1622	1830	2226	1340	1685	2010	2321	2624	3200		
	55/45	456	572	680	783	877	1052	588	739	882	1019	1146	1387	853	1067	1266	1454	1640	1991		
	45/40	312	391	464	534	597	712	401	504	601	694	779	939	587	731	864	988	1112	1345		
1400	75/65	1043	1312	1564	1803	2030	2456	1352	1702	2033	2351	2656	3238	1931	2433	2911	3368	3812	4659		
	70/55	842	1058	1260	1452	1633	1969	1090	1371	1637	1892	2135	2597	1564	1966	2346	2708	3061	3734		
	55/45	532	667	794	913	1024	1227	686	862	1029	1188	1338	1619	995	1244	1477	1696	1913	2323		
	45/40	364	456	542	623	696	830	468	588	701	809	909	1095	685	853	1008	1152	1297	1570		
1600	75/65	1192	1499	1787	2061	2320	2806	1546	1946	2323	2686	3035	3701	2206	2781	3326	3850	4357	5325		
	70/55	962	1209	1440	1660	1866	2251	1245	1567	1871	2162	2440	2968	1787	2246	2681	3095	3499	4267		
	55/45	607	762	907	1044	1170	1403	784	985	1176	1358	1529	1850	1137	1422	1688	1938	2186	2655		
	45/40	416	521	619	711	795	949	535	672	801	925	1039	1252	783	975	1152	1317	1483	1794		
1800	75/65	1341	1687	2011	2318	2610	3157	1739	2189	2614	3022	3415	4163	2482	3128	3742	4331	4901	5990		
	70/55	1082	1360	1620	1867	2099	2532	1401	1763	2104	2433	2745	3339	2010	2527	3016	3481	3936	4800		
	55/45	683	858	1020	1174	1316	1578	882	1109	1323	1528	1720	2081	1279	1600	1899	2180	2460	2987		
	45/40	467	586	696	800	895	1068	601	756	901	1041	1169	1408	881	1097	1296	1481	1668	2018		
2000	75/65	1490	1874	2234	2576	2900	3508	1932	2432	2904	3358	3794	4626	2758	3476	4158	4812	5446	6656		
	70/55	1202	1511	1800	2075	2332	2813	1557	1959	2338	2703	3050	3710	2234	2808	3351	3868	4373	5334		
	55/45	759	953	1134	1305	1462	1753	980	1232	1470	1698	1911	2312	1421	1778	2110	2423	2733	3318		
	45/40	519	651	774	889	994	1186	668	840	1001	1156	1299	1565	979	1218	1440	1646	1853	2242		
2300	75/65							2222	2797	3340	3862	4363		3172	3997	4782	5534	6263			
	70/55							1790	2253	2689	3108	3508		2569	3229	3853	4448	5029			
	55/45							1126	1417	1690	1952	2197		1635	2044	2426	2786	3143			
	45/40							768	966	1152	1330	1493		1125	1401	1656	1893	2131			
2600	75/65							2512	3162	3775	4365	4932		3585	4519	5405	6256	7080			
	70/55							20													



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 21 VKU				Type 22 VKU						Type 33 VKU										
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]																				
		500	600	700	900	200	300	400	500	600	700	900	200	300	400	500	600	700	900			
400	75/65	447	515	580	702		386	486	581	672	759	925				832	962	1089	1331			
	70/55	360	415	466	563		311	392	468	541	610	742				670	774	875	1067			
	55/45	227	261	292	351		196	246	294	340	382	462				422	485	547	664			
	45/40	155	178	199	237		134	168	200	231	260	313				288	329	371	448			
500	75/65	559	644	725	877		483	608	726	840	949	1157				1040	1203	1362	1664			
	70/55	450	519	583	703		389	490	585	676	763	928				838	967	1093	1333			
	55/45	283	326	366	438		245	308	367	424	478	578				527	606	683	830			
	45/40	193	222	249	297		167	210	250	289	325	391				360	412	463	561			
600	75/65	670	773	870	1052		580	730	871	1007	1138	1388				1247	1444	1634	1997			
	70/55	540	622	700	844		467	588	701	811	915	1113				1005	1160	1312	1600			
	55/45	340	391	439	526		294	370	441	509	573	694				633	727	820	996			
	45/40	232	267	298	356		200	252	300	347	390	469				432	494	556	673			
700	75/65	782	902	1015	1228		676	851	1016	1175	1328	1619				1455	1684	1906	2330			
	70/55	630	726	816	985		545	686	818	946	1068	1299				1173	1354	1531	1867			
	55/45	397	457	512	614		343	431	514	594	669	809				738	848	957	1161			
	45/40	271	311	348	415		234	294	350	405	454	548				504	576	649	785			
800	75/65	894	1030	1160	1403		519	773	973	1162	1343	1518	1850			747	1103	1390	1663	1925	2178	2662
	70/55	720	830	933	1125		423	623	783	935	1081	1220	1484			608	893	1123	1340	1547	1749	2134
	55/45	453	522	585	701		273	392	493	588	679	764	925			391	569	711	844	969	1093	1327
	45/40	310	356	398	475		190	267	336	401	462	519	626			272	391	487	576	658	741	897
900	75/65	1005	1159	1305	1579		584	869	1094	1307	1511	1707	2082			841	1241	1564	1871	2165	2451	2995
	70/55	810	934	1050	1266		476	700	881	1052	1216	1373	1670			684	1005	1264	1508	1741	1968	2400
	55/45	510	587	658	789		308	441	554	661	764	860	1041			440	640	800	949	1090	1230	1493
	45/40	348	400	447	534		214	301	378	451	520	584	704			306	440	548	648	741	834	1009
1000	75/65	1117	1288	1450	1754		649	966	1216	1452	1679	1897	2313			934	1379	1738	2079	2406	2723	3328
	70/55	900	1037	1166	1407		529	778	979	1169	1351	1525	1855			760	1117	1404	1675	1934	2187	2667
	55/45	567	652	731	877		342	490	616	735	849	955	1156			489	711	889	1055	1211	1366	1659
	45/40	387	445	497	593		238	334	420	501	578	649	782			340	489	609	720	823	927	1121
1100	75/65	1229	1417	1595	1929		714	1063	1338	1597	1847	2087	2544			1027	1517	1912	2287	2647	2995	3661
	70/55	990	1141	1283	1547		582	856	1077	1286	1487	1678	2041			836	1228	1544	1843	2128	2405	2934
	55/45	624	718	804	964		376	539	678	808	934	1051	1272			538	782	978	1160	1332	1503	1825
	45/40	426	489	547	652		262	367	462	551	636	714	861			374	538	670	792	905	1019	1233
1200	75/65	1340	1546	1740	2105		779	1159	1459	1742	2015	2276	2776			1121	1655	2086	2495	2887	3268	3994
	70/55	1080	1245	1399	1688		635	934	1175	1403	1622	1830	2226			912	1340	1685	2010	2321	2624	3200
	55/45	680	783	877	1052		410	588	739	882	1019	1146	1387			587	853	1067	1266	1454	1640	1991
	45/40	464	534	597	712		286	401	504	601	694	779	939			408	587	731	864	988	1112	1345
1400	75/65	1564	1803	2030	2456		909	1352	1702	2033	2351	2656	3238			1308	1931	2433	2911	3368	3812	4659
	70/55	1260	1452	1633	1969		741	1090	1371	1637	1892	2135	2597			1064	1564	1966	2346	2708	3061	3734
	55/45	794	913	1024	1227		478	686	862	1029	1188	1338	1619			685	995	1244	1477	1696	1913	2323
	45/40	542	623	696	830		333	468	588	701	809	909	1095			476	685	853	1008	1152	1297	1570
1600	75/65	1787	2061	2320	2806		1038	1546	1946	2323	2686	3035	3701			1494	2206	2781	3326	3850	4357	5325
	70/55	1440	1660	1866	2251		847	1245	1567	1871	2162	2440	2968			1216	1787	2246	2681	3095	3499	4267
	55/45	907	1044	1170	1403		547	784	985	1176	1358	1529	1850			782	1137	1422	1688	1938	2186	2655
	45/40	619	711	795	949		381	535	672	801	925	1039	1252			543	783	975	1152	1317	1483	1794
1800	75/65	2011	2318	2610	3157		1168	1739	2189	2614	3022	3415	4163			1681	2482	3128	3742	4331	4901	5990
	70/55	1620	1867	2099	2532		953	1401	1763	2104	2433	2745	3339			1368	2010	2527	3016	3481	3936	4800
	55/45	1020	1174	1316	1575		615	882	1109	1323	1528	1720	2081			880	1279	1600	1899	2180	2460	2987
	45/40	696	800	895	1068		429	601	756	901	1041	1169	1408			611	881	1097	1296	1481	1668	2018
2000	75/65	2234	2576	2900	3508		1298	1932	2432	2904	3358	3794	4626			1868	2758	3476	4158	4812	5446	6656
	70/55	1800	2075	2332	2813		1058	1557	1959	2338	2703	3050	3710			1520	2234	2808	3351	3868	4373	5334
	55/45	1134	1305	1462	1753		683	980	1232	1470	1698	1911	2312			978	1421	1778	2110	2423	2733	3318
	45/40	774	889	994	1186		476	668	840	1001	1156	1299	1565			679	979	1218	1440	1646	1853	2242
2300	75/65						1493	2222	2797	3340	3862	4363				2148	3172	3997	4782	5534	6263	
	70/55						1217	1790	2253	2689	3108	3508				1748	2569	3229	3853	4448	5029	
	55/45						786	1126	1417	1690	1952	2197				1125	1635	2044	2426	2786	3143	
	45/40						548	768	966	1152	1330	1493										

# RADIK PLAN KLASIK, PLAN VK, LINE KLASIK, LINE VK

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 11 PLAN Type 11 PLAN VK Type 11 LINE Type 11 LINE VK						Type 21 PLAN Type 21 PLAN VK Type 21 LINE Type 21 LINE VK					
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]											
		300	400	500	600	700	900	300	400	500	600	700	900
400	75/65	213	271	327	381	434	535	291	358	424	489	554	684
	70/55	173	221	266	310	352	433	235	289	342	394	446	550
	55/45	112	142	171	199	226	275	149	183	216	249	280	344
	45/40	77	99	119	138	156	189	102	125	148	170	191	234
500	75/65	267	339	409	477	542	689	364	448	530	611	692	856
	70/55	217	276	333	388	440	541	294	362	428	493	557	687
	55/45	139	177	214	249	282	344	186	229	270	311	351	430
	45/40	97	123	149	173	195	236	128	157	185	212	239	292
600	75/65	320	407	491	572	650	802	436	538	636	733	830	1027
	70/55	260	331	399	465	528	649	353	434	513	591	669	825
	55/45	167	213	257	299	338	413	223	275	324	373	421	516
	45/40	116	148	178	208	234	284	153	188	222	255	287	351
700	75/65	373	475	573	667	759	936	509	627	742	855	969	1198
	70/55	304	386	466	543	616	757	411	507	599	690	780	962
	55/45	195	248	300	349	395	481	261	320	378	435	491	602
	45/40	136	172	208	242	273	331	179	220	259	297	335	409
800	75/65	426	542	654	762	867	1070	582	717	848	978	1107	1369
	70/55	347	441	533	620	704	866	470	579	684	788	892	1100
	55/45	223	284	342	399	451	550	298	366	432	497	561	688
	45/40	155	197	238	277	312	378	204	251	296	340	382	467
900	75/65	480	610	736	858	976	1203	654	806	954	1100	1246	1540
	70/55	390	497	599	698	792	974	529	651	770	887	1003	1237
	55/45	251	319	385	449	508	619	335	412	486	559	631	774
	45/40	174	222	267	312	351	426	230	282	333	382	430	526
1000	75/65	533	678	818	953	1084	1337	727	896	1060	1222	1384	1711
	70/55	434	552	666	776	881	1082	588	724	855	985	1115	1375
	55/45	279	355	428	499	564	688	372	458	540	621	701	861
	45/40	194	246	297	346	390	473	255	314	370	425	478	584
1100	75/65	586	746	900	1048	1192	1471	800	986	1166	1344	1522	1882
	70/55	477	607	732	853	969	1190	646	796	941	1084	1226	1512
	55/45	307	390	471	548	620	756	410	504	594	684	771	947
	45/40	213	271	327	381	429	520	281	345	407	467	526	643
1200	75/65	640	814	982	1144	1301	1604	872	1075	1272	1466	1661	2053
	70/55	520	662	799	931	1057	1299	705	868	1027	1183	1338	1650
	55/45	335	426	514	598	677	825	447	549	648	746	841	1033
	45/40	232	296	357	415	468	568	307	376	444	509	574	701
1400	75/65	746	949	1145	1334	1518	1872	1018	1254	1484	1711	1938	2395
	70/55	607	772	932	1086	1233	1515	823	1013	1198	1380	1561	1925
	55/45	390	497	599	698	789	963	521	641	756	870	982	1205
	45/40	271	345	416	485	546	662	358	439	518	594	669	818
1600	75/65	853	1085	1309	1525	1734	2139	1163	1434	1696	1955	2214	2738
	70/55	694	883	1065	1241	1409	1731	940	1158	1369	1577	1784	2200
	55/45	446	568	685	798	902	1100	596	733	864	994	1122	1377
	45/40	310	394	475	554	624	757	409	502	591	679	765	935
1800	75/65	959	1220	1472	1715	1951		1309	1613	1908	2200	2491	
	70/55	781	993	1198	1396	1585		1058	1303	1540	1774	2007	
	55/45	502	638	770	897	1015		670	824	973	1119	1262	
	45/40	348	443	535	623	703		460	565	665	764	861	
2000	75/65	1066	1356	1636	1906	2168		1454	1792	2120	2444	2768	
	70/55	867	1103	1331	1551	1761		1175	1447	1711	1971	2230	
	55/45	558	709	856	997	1128		745	916	1081	1243	1402	
	45/40	387	493	594	692	781		511	627	739	849	956	

# RADIK PLAN KLASIK, PLAN VK, LINE KLASIK, LINE VK



HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 22 PLAN Type 22 PLAN VK Type 22 LINE Type 22 LINE VK							Type 33 PLAN Type 33 PLAN VK Type 33 LINE Type 33 LINE VK						
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]													
		200	300	400	500	600	700	900	200	300	400	500	600	700	900
400	75/65	379	475	566	652	736	897		535	676	809	936	1059	1292	
	70/55	306	383	456	526	594	723		431	545	652	756	853	1037	
	55/45	194	242	288	332	374	454		271	343	412	477	537	646	
	45/40	133	166	197	227	255	310		185	234	281	327	366	438	
500	75/65	474	594	707	816	921	1122		669	845	1011	1171	1324	1616	
	70/55	383	479	570	658	742	903		539	681	816	945	1066	1296	
	55/45	242	303	360	415	467	568		339	429	515	597	671	808	
	45/40	166	207	246	283	319	387		231	293	352	408	457	547	
600	75/65	569	712	848	979	1105	1346		802	1013	1213	1405	1589	1939	
	70/55	459	575	685	789	890	1084		646	817	979	1134	1280	1555	
	55/45	291	363	432	498	561	682		407	515	618	716	805	970	
	45/40	199	249	296	340	383	465		278	352	422	490	549	656	
700	75/65	664	831	990	1142	1289	1570		936	1182	1415	1639	1854	2262	
	70/55	536	671	799	921	1039	1265		754	953	1142	1323	1493	1814	
	55/45	339	424	504	580	654	795		475	601	720	836	939	1131	
	45/40	232	290	345	397	447	542		324	410	493	572	640	766	
800	75/65	501	758	950	1131	1305	1473	1794	734	1070	1351	1618	1873	2118	2585
	70/55	409	613	767	913	1052	1187	1445	599	862	1089	1305	1512	1706	2073
	55/45	266	388	484	576	663	748	909	386	543	687	823	955	1073	1293
	45/40	186	266	332	394	453	511	620	269	370	469	563	653	732	875
900	75/65	563	853	1068	1273	1468	1657	2019	826	1203	1520	1820	2107	2383	2908
	70/55	461	689	862	1027	1184	1336	1626	673	970	1226	1468	1700	1920	2333
	55/45	299	436	545	648	746	841	1023	434	610	772	926	1074	1207	1454
	45/40	209	299	373	443	510	574	697	302	417	528	633	735	823	984
1000	75/65	626	948	1187	1414	1631	1841	2243	918	1337	1689	2022	2341	2648	3231
	70/55	512	766	958	1141	1315	1484	1807	748	1077	1362	1631	1889	2133	2592
	55/45	332	484	606	720	829	935	1136	483	678	858	1029	1194	1341	1616
	45/40	233	332	415	493	567	638	775	336	463	586	704	817	915	1094
1100	75/65	689	1043	1306	1555	1794	2025	2467	1010	1471	1858	2224	2575	2913	3554
	70/55	563	842	1054	1255	1447	1632	1987	823	1185	1498	1794	2078	2346	2851
	55/45	365	533	666	792	912	1028	1250	531	746	944	1132	1313	1476	1777
	45/40	256	365	456	542	623	702	852	370	509	645	774	898	1006	1203
1200	75/65	751	1138	1424	1697	1957	2209	2692	1102	1604	2027	2426	2809	3178	3877
	70/55	614	919	1150	1369	1578	1781	2168	898	1293	1634	1957	2267	2559	3110
	55/45	399	581	727	864	995	1122	1363	579	814	1030	1235	1432	1610	1939
	45/40	279	398	497	591	680	766	930	403	555	703	844	980	1098	1313
1400	75/65	876	1327	1662	1980	2283	2577	3140	1285	1872	2365	2831	3277	3707	4523
	70/55	716	1072	1342	1597	1841	2078	2529	1047	1508	1906	2284	2645	2986	3628
	55/45	465	678	848	1008	1161	1309	1591	676	950	1202	1441	1671	1878	2262
	45/40	326	465	580	690	793	894	1085	470	648	821	985	1143	1280	1531
1600	75/65	1002	1517	1899	2262	2610	2946	3589	1469	2139	2702	3235	3746	4237	5170
	70/55	819	1225	1533	1825	2104	2374	2891	1197	1724	2179	2610	3023	3413	4147
	55/45	532	775	969	1152	1327	1496	1818	772	1085	1373	1647	1910	2146	2585
	45/40	372	531	663	788	907	1021	1239	537	741	938	1126	1307	1463	1750
1800	75/65	1127	1706	2137	2545	2936	3314		1652	2407	3040	3640	4214	4766	
	70/55	921	1378	1725	2054	2367	2671		1347	1939	2451	2936	3401	3839	
	55/45	598	872	1090	1296	1493	1683		869	1221	1545	1853	2148	2415	
	45/40	419	598	746	887	1020	1149		605	833	1055	1267	1470	1646	
2000	75/65	1252	1896	2374	2828	3262	3682		1836	2674	3378	4044	4682	5296	
	70/55	1023	1531	1916	2282	2630	2968		1496	2155	2723	3262	3779	4266	
	55/45	664	969	1211	1440	1659	1870		965	1357	1717	2058	2387	2683	
	45/40	465	664	829	985	1133	1277		672	926	1172	1407	1634	1829	

# RADIK PLAN VKL, LINE VKL

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 11 PLAN VKL Type 11 LINE VKL						Type 21 PLAN VKL Type 21 LINE VKL					
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]											
		300	400	500	600	700	900	300	400	500	600	700	900
400	75/65	213	271	327	381	434	535	291	358	424	489	554	684
	70/55	173	221	266	310	352	433	235	289	342	394	446	550
	55/45	112	142	171	199	226	275	149	183	216	249	280	344
	45/40	77	99	119	138	156	189	102	125	148	170	191	234
500	75/65	267	339	409	477	542	689	364	448	530	611	692	856
	70/55	217	276	333	388	440	541	294	362	428	493	557	687
	55/45	139	177	214	249	282	344	186	229	270	311	351	430
	45/40	97	123	149	173	195	236	128	157	185	212	239	292
600	75/65	320	407	491	572	650	802	436	538	636	733	830	1027
	70/55	260	331	399	465	528	649	353	434	513	591	669	825
	55/45	167	213	257	299	338	413	223	275	324	373	421	516
	45/40	116	148	178	208	234	284	153	188	222	255	287	351
700	75/65	373	475	573	667	759	936	509	627	742	855	969	1198
	70/55	304	386	466	543	616	757	411	507	599	690	780	962
	55/45	195	248	300	349	395	481	261	320	378	435	491	602
	45/40	136	172	208	242	273	331	179	220	259	297	335	409
800	75/65	426	542	654	762	867	1070	582	717	848	978	1107	1369
	70/55	347	441	533	620	704	866	470	579	684	788	892	1100
	55/45	223	284	342	399	451	550	298	366	432	497	561	688
	45/40	155	197	238	277	312	378	204	251	296	340	382	467
900	75/65	480	610	736	858	976	1203	654	806	954	1100	1246	1540
	70/55	390	497	599	698	792	974	529	651	770	887	1003	1237
	55/45	251	319	385	449	508	619	335	412	486	559	631	774
	45/40	174	222	267	312	351	426	230	282	333	382	430	526
1000	75/65	533	678	818	953	1084	1337	727	896	1060	1222	1384	1711
	70/55	434	552	666	776	881	1082	588	724	855	985	1115	1375
	55/45	279	355	428	499	564	688	372	458	540	621	701	861
	45/40	194	246	297	346	390	473	255	314	370	425	478	584
1100	75/65	586	746	900	1048	1192	1471	800	986	1166	1344	1522	1882
	70/55	477	607	732	853	969	1190	646	796	941	1084	1226	1512
	55/45	307	390	471	548	620	756	410	504	594	684	771	947
	45/40	213	271	327	381	429	520	281	345	407	467	526	643
1200	75/65	640	814	982	1144	1301	1604	872	1075	1272	1466	1661	2053
	70/55	520	662	799	931	1057	1299	705	868	1027	1183	1338	1650
	55/45	335	426	514	598	677	825	447	549	648	746	841	1033
	45/40	232	296	357	415	468	568	307	376	444	509	574	701
1400	75/65	746	949	1145	1334	1518	1872	1018	1254	1484	1711	1938	2395
	70/55	607	772	932	1086	1233	1515	823	1013	1198	1380	1561	1925
	55/45	390	497	599	698	789	963	521	641	756	870	982	1205
	45/40	271	345	416	485	546	662	358	439	518	594	669	818
1600	75/65	853	1085	1309	1525	1734	2139	1163	1434	1696	1955	2214	2738
	70/55	694	883	1065	1241	1409	1731	940	1158	1369	1577	1784	2200
	55/45	446	568	685	798	902	1100	596	733	864	994	1122	1377
	45/40	310	394	475	554	624	757	409	502	591	679	765	935
1800	75/65	959	1220	1472	1715	1951		1309	1613	1908	2200	2491	
	70/55	781	993	1198	1396	1585		1058	1303	1540	1774	2007	
	55/45	502	638	770	897	1015		670	824	973	1119	1262	
	45/40	348	443	535	623	703		460	565	665	764	861	
2000	75/65	1066	1356	1636	1906	2168		1454	1792	2120	2444	2768	
	70/55	867	1103	1331	1551	1761		1175	1447	1711	1971	2230	
	55/45	558	709	856	997	1128		745	916	1081	1243	1402	
	45/40	387	493	594	692	781		511	627	739	849	956	



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 22 PLAN VKL Type 22 LINE VKL						Type 33 PLAN VKL Type 33 LINE VKL					
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]											
		300	400	500	600	700	900	300	400	500	600	700	900
400	75/65	379	475	566	652	736	897	535	676	809	936	1059	1292
	70/55	306	383	456	526	594	723	431	545	652	756	853	1037
	55/45	194	242	288	332	374	454	271	343	412	477	537	646
	45/40	133	166	197	227	255	310	185	234	281	327	366	438
500	75/65	474	594	707	816	921	1122	669	845	1011	1171	1324	1616
	70/55	383	479	570	658	742	903	539	681	816	945	1066	1296
	55/45	242	303	360	415	467	568	339	429	515	597	671	808
	45/40	166	207	246	283	319	387	231	293	352	408	457	547
600	75/65	569	712	848	979	1105	1346	802	1013	1213	1405	1589	1939
	70/55	459	575	685	789	890	1084	646	817	979	1134	1280	1555
	55/45	291	363	432	498	561	682	407	515	618	716	805	970
	45/40	199	249	296	340	383	465	278	352	422	490	549	656
700	75/65	664	831	990	1142	1289	1570	936	1182	1415	1639	1854	2262
	70/55	536	671	799	921	1039	1265	754	953	1142	1323	1493	1814
	55/45	339	424	504	580	654	795	475	601	720	836	939	1131
	45/40	232	290	345	397	447	542	324	410	493	572	640	766
800	75/65	758	950	1131	1305	1473	1794	1070	1351	1618	1873	2118	2585
	70/55	613	767	913	1052	1187	1445	862	1089	1305	1512	1706	2073
	55/45	388	484	576	663	748	909	543	687	823	955	1073	1293
	45/40	266	332	394	453	511	620	370	469	563	653	732	875
900	75/65	853	1068	1273	1468	1657	2019	1203	1520	1820	2107	2383	2908
	70/55	689	862	1027	1184	1336	1626	970	1226	1468	1700	1920	2333
	55/45	436	545	648	746	841	1023	610	772	926	1074	1207	1454
	45/40	299	373	443	510	574	697	417	528	633	735	823	984
1000	75/65	948	1187	1414	1631	1841	2243	1337	1689	2022	2341	2648	3231
	70/55	766	958	1141	1315	1484	1807	1077	1362	1631	1889	2133	2592
	55/45	484	606	720	829	935	1136	678	858	1029	1194	1341	1616
	45/40	332	415	493	567	638	775	463	586	704	817	915	1094
1100	75/65	1043	1306	1555	1794	2025	2467	1471	1858	2224	2575	2913	3554
	70/55	842	1054	1255	1447	1632	1987	1185	1498	1794	2078	2346	2851
	55/45	533	666	792	912	1028	1250	746	944	1132	1313	1476	1777
	45/40	365	456	542	623	702	852	509	645	774	898	1006	1203
1200	75/65	1138	1424	1697	1957	2209	2692	1604	2027	2426	2809	3178	3877
	70/55	919	1150	1369	1578	1781	2168	1293	1634	1957	2267	2559	3110
	55/45	581	727	864	995	1122	1363	814	1030	1235	1432	1610	1939
	45/40	398	497	591	680	766	930	555	703	844	980	1098	1313
1400	75/65	1327	1662	1980	2283	2577	3140	1872	2365	2831	3277	3707	4523
	70/55	1072	1342	1597	1841	2078	2529	1508	1906	2284	2645	2986	3628
	55/45	678	848	1008	1161	1309	1591	950	1202	1441	1671	1878	2262
	45/40	465	580	690	793	894	1085	648	821	985	1143	1280	1531
1600	75/65	1517	1899	2262	2610	2946	3589	2139	2702	3235	3746	4237	5170
	70/55	1225	1533	1825	2104	2374	2891	1724	2179	2610	3023	3413	4147
	55/45	775	969	1152	1327	1496	1818	1085	1373	1647	1910	2146	2585
	45/40	531	663	788	907	1021	1239	741	938	1126	1307	1463	1750
1800	75/65	1706	2137	2545	2936	3314		2407	3040	3640	4214	4766	
	70/55	1378	1725	2054	2367	2671		1939	2451	2936	3401	3839	
	55/45	872	1090	1296	1493	1683		1221	1545	1853	2148	2415	
	45/40	598	746	887	1020	1149		833	1055	1267	1470	1646	
2000	75/65	1896	2374	2828	3262	3682		2674	3378	4044	4682	5296	
	70/55	1531	1916	2282	2630	2968		2155	2723	3262	3779	4266	
	55/45	969	1211	1440	1659	1870		1357	1717	2058	2387	2683	
	45/40	664	829	985	1133	1277		926	1172	1407	1634	1829	

# RADIK HYGIENE, HYGIENE VK

## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 10 HYGIENE Type 10 HYGIENE VK			Type 20S HYGIENE Type 20S HYGIENE VK			Type 30 HYGIENE Type 30 HYGIENE VK		
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]								
		503	603	703	503	603	703	503	603	703
404	75/65	174	200	225	326	380	433	466	539	607
	70/55	142	163	183	266	310	353	379	438	493
	55/45	91	105	118	172	201	228	244	282	316
	45/40	63	73	82	120	140	158	169	196	219
504	75/65	217	250	280	407	474	540	581	672	758
	70/55	177	203	228	332	387	440	473	547	615
	55/45	114	131	147	214	250	284	304	352	394
	45/40	79	91	102	149	175	198	211	244	273
604	75/65	260	300	336	488	568	647	696	805	908
	70/55	212	244	274	398	464	528	567	655	737
	55/45	136	157	176	257	300	340	364	421	472
	45/40	95	109	123	179	209	237	253	293	327
704	75/65	303	349	391	569	662	755	812	938	1058
	70/55	247	284	319	464	541	615	660	764	860
	55/45	159	183	205	300	350	396	424	491	551
	45/40	110	127	143	209	244	276	295	341	381
804	75/65	347	399	447	650	757	862	927	1072	1208
	70/55	282	324	364	530	617	702	754	872	982
	55/45	182	208	235	342	399	453	485	561	629
	45/40	126	145	163	238	279	315	336	389	435
904	75/65	390	448	503	730	851	969	1042	1205	1359
	70/55	317	365	409	596	694	790	848	981	1104
	55/45	204	234	264	385	449	509	545	631	707
	45/40	142	163	184	268	313	354	378	438	490
1004	75/65	433	498	558	811	945	1076	1158	1338	1509
	70/55	352	405	455	661	771	877	942	1089	1226
	55/45	227	260	293	427	499	565	605	700	785
	45/40	158	181	204	298	348	394	420	486	544
1104	75/65	476	548	614	892	1039	1183	1273	1472	1659
	70/55	387	446	500	727	848	964	1036	1198	1348
	55/45	249	286	322	470	548	622	665	770	864
	45/40	173	199	224	327	383	433	462	535	598
1204	75/65	519	597	669	973	1133	1291	1388	1605	1810
	70/55	422	486	545	793	924	1052	1129	1306	1470
	55/45	272	312	351	512	598	678	726	840	942
	45/40	189	217	244	357	417	472	504	583	652
1404	75/65	605	696	781	1134	1321	1505	1619	1872	2110
	70/55	493	567	636	925	1078	1226	1317	1523	1714
	55/45	317	364	410	597	697	791	846	979	1098
	45/40	220	253	285	416	486	550	587	680	760
1604	75/65	691	796	892	1296	1509	1719	1849	2138	2411
	70/55	563	647	726	1057	1232	1401	1505	1740	1959
	55/45	362	416	468	682	797	903	967	1119	1255
	45/40	252	289	326	476	556	629	671	777	869
1804	75/65	778	895	1003	1458	1698	1934	2080	2405	2711
	70/55	633	728	817	1189	1385	1576	1692	1957	2203
	55/45	407	468	527	767	896	1016	1087	1258	1411
	45/40	283	325	366	535	625	707	755	874	977
2004	75/65	864	994	1114	1619	1886	2148	2311	2671	3012
	70/55	703	809	908	1320	1539	1750	1880	2174	2447
	55/45	452	520	585	853	995	1129	1208	1398	1568
	45/40	314	361	407	594	694	785	838	971	1085



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 10 CLEAN Type 10 CLEAN VK						Type 20S CLEAN Type 20S CLEAN VK				Type 30 CLEAN Type 30 CLEAN VK			
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]													
		300	400	500	600	700	900	500	600	700	900	500	600	700	900
400	75/65			206	242	278	350	359	417	474	585	512	593	673	834
	70/55			166	196	225	283	290	337	383	473	413	478	542	671
	55/45			105	125	143	179	183	213	242	300	261	301	341	421
	45/40			72	86	98	123	126	146	166	206	178	205	232	287
500	75/65	165	212	257	302	347	438	449	522	593	732	640	741	841	1042
	70/55	133	171	208	245	281	354	362	421	479	592	516	597	677	839
	55/45	84	108	132	156	179	224	229	266	303	375	326	376	426	527
	45/40	57	74	91	107	123	154	157	182	208	258	223	256	290	359
600	75/65	198	254	308	362	416	525	538	626	712	878	767	889	1009	1250
	70/55	159	205	249	294	337	424	435	505	575	710	619	716	813	1006
	55/45	100	129	158	187	214	269	275	319	364	451	391	451	511	632
	45/40	68	89	109	129	148	185	189	218	249	309	267	307	348	430
700	75/65			360	423	486	613	628	730	830	1024	895	1037	1177	1459
	70/55			291	343	393	495	507	589	671	828	722	836	948	1174
	55/45			185	218	250	314	321	372	424	526	456	526	596	737
	45/40			127	150	172	215	220	255	291	361	312	359	407	502
800	75/65			411	483	555	700	718	834	949	1170	1023	1186	1346	1667
	70/55			333	392	450	566	580	674	766	947	825	955	1084	1342
	55/45			211	249	286	359	367	426	485	601	521	601	681	843
	45/40			145	172	197	246	252	291	332	413	356	410	465	574
900	75/65			463	544	625	788	807	939	1067	1317	1151	1334	1514	1876
	70/55			374	440	506	637	652	758	862	1065	929	1075	1219	1510
	55/45			237	281	322	404	413	479	546	676	586	676	767	948
	45/40			163	193	221	277	283	328	374	464	401	461	523	646
1000	75/65			514	604	694	875	897	1043	1186	1463	1279	1482	1682	2084
	70/55			416	489	562	707	725	842	958	1183	1032	1194	1355	1677
	55/45			264	312	357	449	459	532	606	751	651	751	852	1053
	45/40			181	215	246	308	314	364	415	516	445	512	581	717
1100	75/65			565	664	763	963	987	1147	1305	1609	1407	1630	1850	2292
	70/55			457	538	618	778	797	926	1054	1302	1135	1313	1490	1845
	55/45			290	343	393	493	505	585	667	826	716	826	937	1159
	45/40			199	236	271	339	346	400	457	567	490	564	639	789
1200	75/65			617	725	833	1050	1076	1252	1423	1756	1535	1778	2018	2501
	70/55			499	587	674	849	870	1010	1150	1420	1238	1433	1626	2013
	55/45			316	374	429	538	550	638	727	901	782	902	1022	1264
	45/40			217	258	295	369	377	437	498	619	534	615	697	861
1400	75/65			720	846	972	1225	1256	1460	1660	2048	1791	2075	2355	2918
	70/55			582	685	787	990	1015	1179	1341	1657	1445	1672	1897	2348
	55/45			369	437	500	628	642	745	849	1051	912	1052	1193	1475
	45/40			253	301	344	431	440	510	581	722	623	717	813	1004
1600	75/65			822	966	1110	1400	1435	1669	1898	2341	2046	2371	2691	3334
	70/55			665	783	899	1132	1159	1347	1533	1893	1651	1910	2167	2684
	55/45			422	499	572	718	734	851	970	1201	1042	1202	1363	1686
	45/40			290	344	394	493	503	583	665	825	713	820	929	1148
1800	75/65			925	1087	1249		1615	1877	2135		2302	2668	3028	
	70/55			748	881	1011		1304	1515	1724		1857	2149	2438	
	55/45			475	561	643		826	957	1091		1172	1352	1533	
	45/40			326	387	443		566	655	748		802	922	1045	
2000	75/65			1028	1208	1388		1794	2086	2372		2558	2964	3364	
	70/55			831	979	1124		1449	1684	1916		2064	2388	2709	
	55/45			527	624	715		917	1064	1212		1303	1503	1704	
	45/40			362	430	492		629	728	831		891	1025	1161	

# BASIC TECHNICAL PARAMETERS

RADIK KLASIK, RADIK KLASIK - Z, RADIK VK, RADIK VK - Z, RADIK VKU, RADIK VKL

	Type 10 Type 10 VK Type 10 VKL						Type 11 Type 11 VK Type 11 VKL						Type 20 Type 20 VK		
Height H [mm]	300	400	500	600	700	900	300	400	500	600	700	900	500	600	700
<b>Nominal heat output [W/m]</b>	330	423	514	604	694	875	549	708	858	1002	1139	1394	838	978	1117
<b>Temp. exponent n [-]</b>	1,3319	1,3193	1,3068	1,2942	1,2989	1,3083	1,3156	1,3140	1,3123	1,3107	1,3140	1,3206	1,3005	1,3014	1,3192
<b>K<sub>M</sub></b>	1,8016	2,4260	3,0956	3,8215	4,3109	5,2390	3,1945	4,1456	5,0574	5,9433	6,6693	7,9543	5,1729	6,0159	6,4087
<b>Radiator weight [kg/m]</b>	5,8	7,6	9,5	11,5	14,3	16,7	10,1	12,5	15,7	18,8	22,7	28,3	20,4	24,4	29,3
<b>Water volume [l/m]</b>	1,9	2,3	2,7	3,1	3,5	4,3	1,9	2,3	2,7	3,1	3,5	4,3	5,1	5,8	6,6
<b>Flow coefficient A<sub>T</sub> [m<sup>2</sup>]</b>	6,5 × 10 <sup>-5</sup> (DN 15)						6,5 × 10 <sup>-5</sup> (DN 15)						1,0 × 10 <sup>-4</sup> (DN 15)		
<b>Resistance coefficient ξ<sub>T</sub> [-]</b>	19,0 (DN 15)						19,0 (DN 15)						8,5 (DN 15)		

Stated values for the flow coefficient A<sub>T</sub> and the coefficient of resistance ξ<sub>T</sub> apply only to the model RADIK KLASIK.

RADIK KLASIK, RADIK KLASIK - Z, RADIK VK, RADIK VK - Z, RADIK VKU, RADIK VKL

	Type 21 Type 21 VK Type 21 VKL Type 21 VKU						Type 22 Type 22 VK Type 22 VKL Type 22 VKU						Type 33 Type 33 VK Type 33 VKL Type 33 VKU							
Height H [mm]	300	400	500	600	700	900	200	300	400	500	600	700	900	200	300	400	500	600	700	900
<b>Nominal heat output [W/m]</b>	745	937	1117	1288	1450	1754	649	966	1216	1452	1679	1897	2313	934	1379	1738	2079	2406	2723	3328
<b>Temp. exponent n [-]</b>	1,3197	1,3238	1,3278	1,3319	1,3405	1,3578	1,2560	1,3297	1,3316	1,3334	1,3353	1,3427	1,3574	1,2668	1,2977	1,3129	1,3282	1,3434	1,3498	1,3626
<b>K<sub>M</sub></b>	4,2660	5,2801	6,1967	7,0317	7,6542	8,6530	4,7680	5,3193	6,6464	7,8806	9,0452	9,9280	11,4286	6,5780	8,6062	10,2205	11,5155	12,5574	13,8605	16,1126
<b>Radiator weight [kg/m]</b>	14,3	18,8	22,1	26,4	30,6	40,2	10,2	17,0	22,7	25,7	31,1	36,2	47,1	15,1	25,5	34,0	38,9	46,8	54,4	70,9
<b>Water volume [l/m]</b>	3,7	4,4	5,1	5,8	6,6	8,3	3,1	3,7	4,4	5,1	5,8	6,6	8,4	4,6	5,3	6,4	7,6	8,7	10,0	12,6
<b>Flow coefficient A<sub>T</sub> [m<sup>2</sup>]</b>	1,0 × 10 <sup>-4</sup> (DN 15)						1,0 × 10 <sup>-4</sup> (DN 15)						1,18 × 10 <sup>-4</sup> (DN 15)							
<b>Resistance coefficient ξ<sub>T</sub> [-]</b>	8,5 (DN 15)						8,5 (DN 15)						5,8 (DN 15)							

Stated values for the flow coefficient A<sub>T</sub> and the coefficient of resistance ξ<sub>T</sub> apply only to the model RADIK KLASIK.

$$\text{Characteristic equation: } \phi = K_M \cdot \Delta T^n \left[ \frac{\text{W}}{\text{m}} \right], \quad \Delta T = \frac{t_1 + t_2}{2} - t_i [\text{K}]$$

t<sub>1</sub> – temperature water-in, t<sub>2</sub> – temperature water-out, t<sub>i</sub> – relative air temperature

# BASIC TECHNICAL PARAMETERS



## RADIK MATERNELLE VK, RADIK MATERNELLE VKL

	Type 32 VK Type 32 VKL					
Height H [mm]	300	400	500	600	700	900
Nominal heat output [W/m]	992	1229	1455	1675	1891	2315
Temp. exponent n [-]	1,3023	1,3051	1,3079	1,3107	1,3263	1,3574
K <sub>M</sub>	6,0806	7,4512	8,7253	9,9352	10,5523	11,4385
Radiator weight [kg/m]	23,4	31,0	34,4	41,4	48,4	62,3
Water volume [l/m]	3,7	4,4	5,1	5,8	6,6	8,3

## RADIK PLAN KLASIK, RADIK PLAN VK, RADIK PLAN VKL, RADIK LINE KLASIK, RADIK LINE VK, RADIK LINE VKL

	Type 11 PLAN Type 11 PLAN VK Type 11 PLAN VKL						Type 21 PLAN Type 21 PLAN VK Type 21 PLAN VKL					
	300	400	500	600	700	900	300	400	500	600	700	900
Height H [mm]	300	400	500	600	700	900	300	400	500	600	700	900
Nominal heat output [W/m]	533	678	818	953	1084	1337	727	896	1060	1222	1384	1711
Temp. exponent n [-]	1,2683	1,2683	1,2682	1,2682	1,2793	1,3015	1,3098	1,3145	1,3192	1,3239	1,3311	1,3455
K <sub>M</sub>	3,7318	4,7471	5,7295	6,6751	7,2700	8,2209	4,3274	5,2361	6,0817	6,8834	7,5794	8,8570
Radiator weight [kg/m]	12,6	15,8	19,7	23,5	28,2	36,0	16,8	22,1	26,1	31,1	36,1	47,8
Water volume [l/m]	1,9	2,3	2,7	3,1	3,5	4,3	3,7	4,4	5,1	5,8	6,6	8,3
Flow coefficient A <sub>T</sub> [m <sup>2</sup> ]	$6,5 \times 10^{-4}$ (DN 15)						$1,0 \times 10^{-4}$ (DN 15)					
Resistance coefficient ξ <sub>T</sub> [-]	19,0 (DN 15)						8,5 (DN 15)					

Stated values for the flow coefficient A<sub>T</sub> and the coefficient of resistance ξ<sub>T</sub> apply only to the model RADIK PLAN KLASIK.

## RADIK PLAN KLASIK, RADIK PLAN VK, RADIK PLAN VKL, RADIK LINE KLASIK, RADIK LINE VK, RADIK LINE VKL

	Typ 22 PLAN Typ 22 PLAN VK Typ 22 PLAN VKL							Typ 33 PLAN Typ 33 PLAN VK Typ 33 PLAN VKL						
	200	300	400	500	600	700	900	200	300	400	500	600	700	900
Nominal heat output [W/m]	626	948	1187	1414	1631	1841	2243	918	1337	1689	2022	2341	2648	3231
Temp. exponent n [-]	1,2401	1,3141	1,3174	1,3208	1,3241	1,3265	1,3314	1,2590	1,3284	1,3252	1,3219	1,3187	1,3313	1,3565
K <sub>M</sub>	4,8942	5,5487	6,8585	8,0621	9,1801	10,2653	12,2693	6,6656	7,3998	9,4657	11,4792	13,4577	14,4904	16,0208
Radiator weight [kg/m]	12,1	19,6	25,9	29,7	35,7	41,7	54,8	17,1	28,2	37,4	42,9	51,5	59,9	78,7
Water volume [l/m]	3,1	3,7	4,4	5,1	5,8	6,6	8,4	4,6	5,3	6,4	7,6	8,7	10,0	12,6
Flow coefficient A <sub>T</sub> [m <sup>2</sup> ]	$1,0 \times 10^{-4}$ (DN 15)							$1,18 \times 10^{-4}$ (DN 15)						
Resistance coefficient ξ <sub>T</sub> [-]	8,5 (DN 15)							5,8 (DN 15)						

Stated values for the flow coefficient A<sub>T</sub> and the coefficient of resistance ξ<sub>T</sub> apply only to the model RADIK PLAN KLASIK.

$$\text{Characteristic equation: } \phi = K_M \cdot \Delta T^n \left[ \frac{W}{m} \right], \quad \Delta T = \frac{t_1 + t_2}{2} - t_i [\text{K}]$$

t<sub>1</sub> – temperature water-in, t<sub>2</sub> – temperature water-out, t<sub>i</sub> – relative air temperature

# BASIC TECHNICAL PARAMETERS

## RADIK CLEAN, RADIK CLEAN VK

	Type 10 CLEAN Type 10 CLEAN VK						Type 20S CLEAN Type 20S CLEAN VK				Type 30 CLEAN Type 30 CLEAN VK			
Height H [mm]	300	400	500	600	700	900	500	600	700	900	500	600	700	900
<b>Nominal heat output [W/m]</b>	330	423	514	604	694	875	897	1043	1186	1463	1279	1482	1682	2084
<b>Temp. exponent n [-]</b>	1,3319	1,3193	1,3068	1,2942	1,2989	1,3083	1,3127	1,3181	1,3140	1,3058	1,3212	1,3299	1,3318	1,3355
<b>K<sub>M</sub></b>	1,8016	2,4260	3,0956	3,8215	4,3109	5,2390	5,2790	6,0100	6,9445	8,8456	7,2810	8,1543	9,1862	11,2182
<b>Radiator weight [kg/m]</b>	5,8	7,6	9,5	11,5	14,3	16,7	20,1	23,9	27,6	35,5	28,8	34,4	40,0	51,2
<b>Water volume [l/m]</b>	1,9	2,3	2,7	3,1	3,5	4,3	5,1	5,8	6,6	8,3	7,6	8,7	10,0	12,6
<b>Flow coefficient A<sub>T</sub> [m<sup>2</sup>]</b>	$6,5 \times 10^{-5}$ (DN 15)						$1,0 \times 10^{-4}$ (DN 15)				$1,18 \times 10^{-4}$ (DN 15)			
<b>Resistance coefficient ξ<sub>T</sub> [-]</b>	19,0 (DN 15)						8,5 (DN 15)				5,8 (DN 15)			

Stated values for the flow coefficient A<sub>T</sub> and the coefficient of resistance ξ<sub>T</sub> apply only to the model RADIK CLEAN.

## RADIK HYGIENE, RADIK HYGIENE VK

	Type 10 HYGIENE Type 10 HYGIENE VK			Type 20S HYGIENE Type 20S HYGIENE VK			Type 30 HYGIENE Type 30 HYGIENE VK			
Height H [mm]	503	603	703	503	603	703	503	603	703	
<b>Nominal heat output [W/m]</b>	431	496	556	808	941	1072	1153	1333	1503	
<b>Temp. exponent n [-]</b>	1,2656	1,2695	1,2617	1,2557	1,2512	1,2600	1,2697	1,2677	1,2785	
<b>K<sub>M</sub></b>	3,0497	3,4565	3,9947	5,9431	7,0443	7,7534	8,0287	9,3550	10,1117	
<b>Radiator weight [kg/m]</b>	13,4	16,0	20,4	23,3	27,8	33,1	34,6	40,6	45,5	
<b>Water volume [l/m]</b>	2,7	3,1	3,5	5,1	5,8	6,6	7,6	8,7	10	
<b>Flow coefficient A<sub>T</sub> [m<sup>2</sup>]</b>	$6,5 \times 10^{-5}$ (DN 15)						$1,18 \times 10^{-4}$ (DN 15)			
<b>Resistance coefficient ξ<sub>T</sub> [-]</b>	19,0 (DN 15)						5,8 (DN 15)			

Stated values for the flow coefficient A<sub>T</sub> and the coefficient of resistance ξ<sub>T</sub> apply only to the model RADIK HYGIENE.

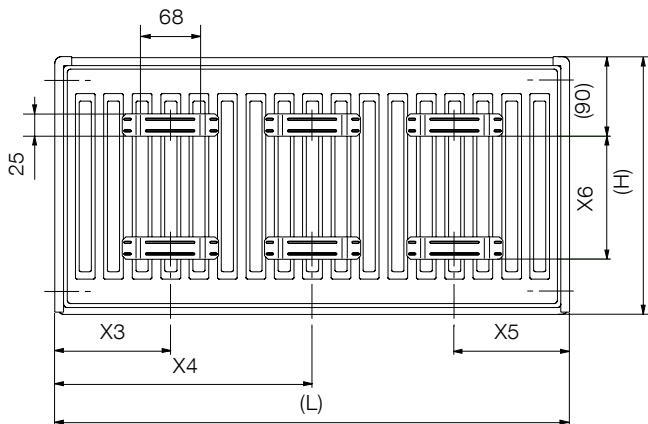
$$\text{Characteristic equation: } \phi = K_M \cdot \Delta T^n \left[ \frac{\text{W}}{\text{m}} \right], \quad \Delta T = \frac{t_1 + t_2}{2} - t_i [\text{K}]$$

t<sub>1</sub> – temperature water-in, t<sub>2</sub> – temperature water-out, t<sub>i</sub> – relative air temperature

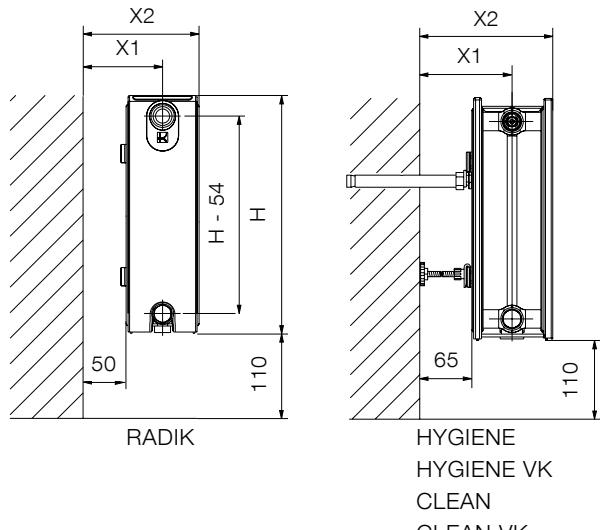
# DATA FOR MOUNTING



## Location of hangers



## Position of radiator



## Table of sizes

	Length L [mm]	400	500 - 1600	1800	2000	2300	2600	3000
X3	A	133	133	133	133	133	133	133
	B	167	167	167	167	167	167	167
	C	117	150	150	150	150	150	150
	D	100	133	133	133	133	133	133
X4	A	-	-	900	1000	1133	1300	1500
	B	-	-	900	1000	1133	1300	1500
	C	-	-	883	983	1150	1283	1483
	D	-	-	900	1000	1133	1300	1500
X5	A	133	133	133	133	133	133	133
	B	100	133	133	133	133	133	133
	C	117	150	150	150	150	150	150
	D	167	167	167	167	167	167	167

**A** - for Types 10, 20, 20S, 21, 22, 30, 33, 20 VK,  
20S VK, 21 VK, 21 VKL, 22 VK, 22 VKL, 30 VK, 32 VKL,  
33 VK, 33 VKL

**B** - for Types 10 VK

**C** - for Types 11, 11 VK , 11 VKL

**D** - for Types 10 VKL

PLAN KLASIK = LINE KLASIK = HYGIENE = CLEAN = KLASIK

PLAN VK = LINE VK = HYGIENE VK = CLEAN VK = VK

PLAN VKL = LINE VKL = VKL

Height H [mm]	300	400	500	554	600	700	900
X6	145	245	345	399	445	545	745
Type 21							

## Table of sizes

Type	10 10 VK	11 11 VK	20 20 VK	21 21 VK	22 22 VK	32 32 VKL	33 33 R <sup>1</sup> 33 VK
X1	32	75	83	83	100	100	100
X2	64	107	116	116	150	205	205

The values of parameters **X1** and **X2** depend on Type of brackets applied.

The **X2** figure is increased by 2 mm for PLAN and LINE radiators.

<sup>1)</sup> Value **X1** for the model RADIK KLASIK – R Type 33 = 155 mm.

## Table of sizes HYGIENE, HYGIENE VK, CLEAN, CLEAN VK

Type	10 10 VK	20 S 20 S VK	30 30 VK
X1	47	115	115
X2	79	165	220

The **X2** figure is increased by 2 mm for models HYGIENE, HYGIENE VK.

## Overview of Types

Type	Number of panels	Number of convector plates
Type 10	1	0
Type 11	1	1
Type 20	2	0
Type 21	2	1
Type 22	2	2
Type 30	3	0
Type 32	3	2
Type 33	3	3

# SVÚOM PRAHA – INFORMATION

## (I.E. STATE RESEARCH INSTITUTE FOR PROTECTION OF MATERIALS)

The below given information defines conditions for appropriate using steel radiators which are protected with final surface finish in accordance with DIN 55 900 standard. It also specifies critical locations, spaces and environment limiting their applications. KORADO, a.s. (joint-stock co.) recommends the below given advice to be strictly respected at all practical applications because this will be taken into consideration in case of judgement and evaluation of any future claims and/or complaints.

### POSSIBILITIES AND LIMITATIONS FOR USING STEEL RADIATORS WITH SURFACE FINISH ACCORDING TO DIN 55 900 STANDARD:

(Explicit comment from the Prague State Research Institute for Protection of Materials)

## 1. REQUIREMENTS FOR SURFACE FINISH OF RADIATORS

### 1.1 General

The requirements concerning the surface finish of radiators are defined in German standard DIN 55 900 which bears the following title: "Surface finish of radiators. Terminology, requirements, tests. Surface finish made industrially." The said standard relates to materials which are used for surface finish of radiators and it is binding for industrially made surface finish of radiators for hot water heating and low pressure steam heating (temperature of the heat-carrying medium up to 120 °C). The object of the said standard is not surface finish of radiators operating with temperatures exceeding 120 °C or which are to be used in spaces with aggressive and/or humid environment air. Kitchens, bathrooms etc. and places outside the reach of water shower spraying and toilets are not considered to be spaces with aggressive and/or humid environment air.

The DIN 55 900 standard is divided into 2 parts: DIN 55 900-1 defines the base paint layer for radiators, DIN 55 900-2 defines the final surface finish of radiators. The said standard specifies requirements on paint coating materials applicable for surface finish, i.e. both their physical-mechanical properties (adhesion, impact resistance) and corrosion resistance (resistance against condensating water).

In general terms, the said standard also requires that radiators with final paint coating must be protected appropriately for and during: transportation, storage, and mounting, and it must be possible to clean the radiators surface with common detergents (non abrasive).

The said standard is the basis for definition and assessment of the surface finish quality and for compliance with all principles therein stipulated, all of which is binding both for manufacturers and users of radiators. Beyond the scope of the standard DIN 55 900 by the user may be the cause of extinction of the producer's guarantees.

## 2. QUALITATIVE DESCRIPTION OF TYPICAL ENVIRONMENTS

The qualitative description of typical environments with relevant grades of corrosivity is given in the table under the following title:

Qualitative description of typical environments for judgement of corrosivity grades:

Corrosivity grade	Corrosivity	Examples of typical interior environments
C-1	Very low	Heated spaces with relative low humidity (30 – 65%) and with negligible uncleanliness, e.g. office premises, schools, museums, flats, hotels, shops, etc.
C-2	Low	Unsufficiently heated spaces with changeable temperature and with relative humidity exceeding 70%. Rare occurrence of condensation and minor uncleanliness, e.g. warehouses, corridors, gym halls, etc.
C-3	Average	Spaces with average occurrence of condensation and with average uncleanliness caused by technological or other processes, e.g. food production premises, laundry plants, breweries, dairy houses, meat packing factories, etc.
C-4	High	Spaces with high occurrence of condensation and with average uncleanliness caused by technological or other processes, e.g. industrial manufacturing premises, swimming pools, bath houses, car-washing facilities, public WCs, stables, etc..
C-5	Very High	Spaces with nearly constant occurrence of condensation and/or with high uncleanliness caused by technological processes, e.g. mining premises, underground technological spaces/rooms/halls, unaired shelters in tropical humid areas.

The radiators with surface finish complying with the DIN 55 900 standard are applicable in spaces/premises with C 1 interior air environment without limitation for a long period of service.

However, pursuant to the DIN 55 900-2 standard, the radiators must not be placed in spaces with aggressive or humid environment air (C2 – C5). Any placement of such radiators in the lower defined spaces must be considered as critical.

## 3. POSSIBILITIES AND LIMITATIONS FOR USING STEEL RADIATORS WITH SURFACE FINISH COMPLYING WITH DIN 55 900 STANDARD:

### 3.1 Spaces with possible water spray or water solutions spray

In spaces/premises with the C1 interior environment air, e.g. in flats, offices, schools and other public buildings, there are also some rooms (kitchens, bathrooms, toilets) wherein some places with corrosion activity of C2 – C5 can be found. These are places within a direct reach of water spray or water solutions spray (e.g. places under kitchen sinks, under wash-basins, under showers, and some other places which are regularly sprayed with water). Such places are considered as spaces with humid or aggressive environment air and they are not suitable for placing radiators there even though the whole rooms in question (i.e. kitchens, bathrooms, toilets) are not considered to have aggressive or humid environment air.



## (I.E. STATE RESEARCH INSTITUTE FOR PROTECTION OF MATERIALS)

That is why the guaranty claims resulting from the title of corrosion or from a change of the surface appearance cannot be applied on those radiators which are placed within reach of water spray or within reach of aggressive solutions (C2 – C5 spaces). In case it is necessary to place radiators within such a reach or in the middle of such an area, special protective measures must be applied (e.g. using zinc-coated or corrosion more resistant sheets, appropriate encasing etc.) which prevent corrosion damage of the surface finish of the radiators in question.

Radiators with surface finish complying with the DIN 55 900 standard can thus be installed in kitchens, bathrooms and toilets, provided they are located in the suitable place of the room.

### **3.2 Spaces which are unsufficiently air-ventilated**

These are rooms (spaces with C2 interior environment air and higher) with windows which are never opened or rooms without windows where no sufficient air exchange can be achieved and maintained. In such spaces, humidity from air can often condensate on turned-off and therefore cold radiators. This condensed humidity can damage the protective coating due to corrosion or blistering.

Regular air-ventilation of the heated rooms/premises is the necessary protection of the surface finish of radiators against humidity and condensated water. It is not recommended, as a kind of protection against condensated humidity, to turn off radiators which are placed in unsufficiently air-ventilated rooms.

Using radiators complying with the surface finish according to DIN 55 900 inside bathrooms, toilets and laundrettes (without windows) is possible only if air-ventilation is maintained in accordance with DIN 18 017 standard, Part 1 and Part 3, wherein hour exchanges of air volumes are defined. Analogically, requirements re. temperature-humidity microclimate are given in ČSN EN ISO 7730 standard.

If no regular air-ventilation is possible, or if no permanent air exchange can be achieved, radiators must be in continuous operation so that cooling down of such surfaces is prevented where air humidity would condensate.

Users of such unaired and humid rooms (e.g. bathrooms, laundrettes) must respect this fact. Closed rooms with installed radiators must be heated or air-ventilated regularly. Requirements defining air-ventilation of flats or houses are given in the following table:

Room	Air exchange rate
Kitchen	50 l/s – during operation 12 l/s – with permanent air-ventilation or with opened windows
Bathroom, toilet	25 l/s – when being used 10 l/s – with permanent air-ventilation or with opened windows
Garage a) separate b) shared	50 l/s – separate 7,5 l/s car – shared

### **3.3 Spaces with permanent increased humidity or aggressivity of environment air**

This relates to critical rooms and premises (C2 – C5), i.e. swimming pools, saunas, public toilets, car-washing facilities, laundry plants, battery recharging workshops, various premises in chemical and food processing industries, and rooms and spaces where wet cleaning is carried out by means of low or high pressure equipment etc. The radiators complying with DIN 55 900 are not suitable for application in such premises.

If the said radiators are still to be installed into such difficult conditions, it is necessary to consult the manufacturer for the best possible placement of the radiators and to set limitations for usage of these radiators with standard surface finish. Inside the above mentioned critical premises there are usually also places with the corrosion impact of grade C1, such as offices, changing rooms, workshops, dining halls etc. wherein the radiators complying with DIN 55 900 can be applied without limitations.

## **4. STORING OF RADIATORS AND MOUNTING OF RADIATORS**

The DIN 55 900 standard requires that radiators provided with the final surface coating must be appropriately protected for and during transportation and for storage and mounting and that it must be possible to clean the radiators surface with common detergents.

The following advice is to be respected.

### **4.1 Transportation**

During transportation but also during storage and final mounting of radiators, it is necessary to prevent any damage of the radiator coating and/or of all covering elements. No damage caused by rain or by any aggressive impurities may occur.

### **4.2 Storage**

Radiators provided with final surface finish must be stored at the user's in dry and well air-ventilated spaces so that no corrosion damage of the radiators surface finish occurs.

### **4.3 Protection of the surface finish during mounting**

Mounting of the radiators is to be carried out in such a manner that the protective wrapping is removed only after all building construction jobs (e.g. floor tiling, concrete works, wall painting/ decorating and cleaning) has been finished in order to prevent any damage of radiators, especially any damage of their surface finish. The radiators can be mounted and put into operation without removing the protective wrapping.

### **4.4 Cleaning**

Radiators with final surface finish can be cleaned with such suitable water-borne detergents which are commonly used in households without any adverse impact on the painted surface. Such detergents must neither be abrasive (they would abrade the surface) nor strongly alkaline or acidic (i.e. chemically aggressive).

# QUALITY AND SAFETY

## Quality of steel panel radiators RADIK

The high quality of radiators has been confirmed by acquiring the right to use the national quality marks for the European markets. This marks declares that the stipulated requirements on quality of material, technology, production process and tests of radiators RADIK are strictly followed.

### • Quality management system according to ISO 9001



### • Quality mark NF for the French market

- it is valid for the following range of the steel panel radiators RADIK



No. CERTITA	Model
5240	RADIK KLASIK, RADIK VK Type 10
5241	RADIK KLASIK, RADIK VK Type 11

The well-established quality management system according to ISO 9001 in combination with the national quality marks guarantees the highest degree in achieving a permanent quality of products and all activities of KORADO company on European as well as world-wide markets.

No. CERTITA	Model
5538	RADIK CLEAN, RADIK CLEAN VK Type 10
5539	RADIK CLEAN, RADIK CLEAN VK Type 20
5540	RADIK CLEAN, RADIK CLEAN VK Type 30
5547	RADIK MATERNELLE VK Type 32
	RADIK MATERNELLE VKL Type 32

# QUALITY AND SAFETY



- **Quality mark for the German market**

it has been granted for the following product range of the steel panel radiators RADIK.



Reg. No. GZ	Model	Type	Reg. No. GZ	Model	Type
0320	RADIK HYGIENE	Type 10	0581	RADIK PLAN KLASIK	Type 22
	RADIK HYGIENE VK	Type 10		RADIK LINE KLASIK	Type 22
0321	RADIK HYGIENE	Type 20S	0582	RADIK PLAN VK	Type 22
	RADIK HYGIENE VK	Type 20S		RADIK LINE VK	Type 22
0322	RADIK HYGIENE	Type 30	1120	RADIK PLAN VKL	Type 22
	RADIK HYGIENE VK	Type 30		RADIK LINE VKL	Type 22
0571	RADIK KLASIK	Type 10	1121	RADIK PLAN KLASIK	Type 33
	RADIK VK	Type 10		RADIK LINE KLASIK	Type 33
0572	RADIK VKL	Type 10	1122	RADIK PLAN VK	Type 33
	RADIK CLEAN	Type 10		RADIK LINE VK	Type 33
0573	RADIK CLEAN VK	Type 10	1123	RADIK PLAN VKL	Type 33
	RADIK KLASIK	Type 20		RADIK LINE VKL	Type 33
0574	RADIK VK	Type 20	1182	RADIK KLASIK	Type 11
	RADIK CLEAN	Type 20S		RADIK VK	Type 11
0578	RADIK CLEAN VK	Type 20S		RADIK VKL	Type 11
	RADIK PLAN KLASIK	Type 30		RADIK KLASIK	Type 21
0580	RADIK LINE KLASIK	Type 30		RADIK VK	Type 21
	RADIK PLAN VK	Type 11		RADIK VKU	Type 21
0581	RADIK LINE VK	Type 11		RADIK VKL	Type 21
	RADIK PLAN VKL	Type 11		RADIK KLASIK	Type 22
0582	RADIK LINE VKL	Type 11		RADIK VK	Type 22
	RADIK PLAN KLASIK	Type 21		RADIK VKU	Type 22
0583	RADIK LINE KLASIK	Type 21		RADIK VKL	Type 22
	RADIK PLAN VK	Type 21		RADIK KLASIK	Type 33
0584	RADIK LINE VK	Type 21		RADIK VK	Type 33
	RADIK PLAN VKL	Type 21		RADIK VKU	Type 33
0585	RADIK PLAN VKL	Type 21		RADIK VKL	Type 33
	RADIK LINE VKL	Type 21		RADIK MATERNELLE VK	Type 32
0586	RADIK MATERNELLE VK	Type 21		RADIK MATERNELLE VKL	Type 32

## Steel panel radiators RADIK - safety and conformity with the European directives and standards

- **European standard EN 442 for radiators**



by using **CE mark** the producer confirms that the steel panel radiators **RADIK** are in conformity with the characteristics stated in the Declaration of Performance issued in conformity with the directive of EP and the Council (EU) No. 305/2011. This conformity was approved by the notified body No.1015, Strojírenský zkušební ústav, s.p. Brno.



# DATA FOR PLACING ORDER

Steel panel radiators	Version	Model	Type	Code for ordering
RADIK	KLASIK	RADIK KLASIK	10	10HHHLLL-50-0010
			11	11HHHLLL-50-0010
			20	20HHHLLL-50-0010
			21	21HHHLLL-50-0010
			22	22HHHLLL-50-0010
			33	33HHHLLL-50-0010
		RADIK KLASIK - R	20 R	20HHHLLL-R0-0010
			21 R	21HHHLLL-R0-0010
			22 R	22HHHLLL-R0-0010
			33 R	33HHHLLL-R0-0010
	VENTIL KOMPAKT	RADIK VK	10	10HHHLLL-50Z0010
			11	11HHHLLL-50Z0010
			21	21HHHLLL-50Z0010
			22	22HHHLLL-50Z0010
			33	33HHHLLL-50Z0010
	RADIK VKL	RADIK VKL	10 VK	10HHHLLL-60-0010
			11 VK	11HHHLLL-60-0010
			20 VK	20HHHLLL-60-0010
			21 VK	21HHHLLL-60-0010
			22 VK	22HHHLLL-60-0010
	RADIK MATERNELLE	RADIK MATERNELLE	33 VK	33HHHLLL-60-0010
			10 VKL	10HHHLLL-60Z0010
			11 VKL	11HHHLLL-60Z0010
			21 VKL	21HHHLLL-60Z0010
			22 VKL	22HHHLLL-60Z0010
	RADIK MATERNELLE VK	RADIK MATERNELLE VK	33 VKL	33HHHLLL-60-0010
			32 VK	32HHHLLL-6S-0010
			32 VKL	32HHHLLL-ES-0010

Note: For information how to create the order code see p. 68

# DATA FOR PLACING ORDER

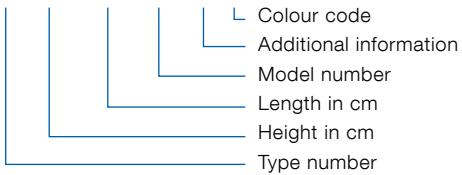


Steel panel radiators	Version	Model	Type	Code for ordering
RADIK	PLAN	RADIK PLAN KLASIK	11 PLAN 21 PLAN 22 PLAN 33 PLAN	11HHHLLL-50P0010 21HHHLLL-50P0010 22HHHLLL-50P0010 33HHHLLL-50P0010
		RADIK PLAN KLASIK-R	20 PLAN R 21 PLAN R 22 PLAN R 33 PLAN R	20HHHLLL-R0P0010 21HHHLLL-R0P0010 22HHHLLL-R0P0010 33HHHLLL-R0P0010
		RADIK PLAN VK	11 PLAN VK 21 PLAN VK 22 PLAN VK 33 PLAN VK	11HHHLLL-60P0010 21HHHLLL-60P0010 22HHHLLL-60P0010 33HHHLLL-60P0010
		RADIK PLAN VKL	11 PLAN VKL 21 PLAN VKL 22 PLAN VKL 33 PLAN VKL	11HHHLLL-E0P0010 21HHHLLL-E0P0010 22HHHLLL-E0P0010 33HHHLLL-E0P0010
		RADIK LINE KLASIK	11 LINE KLASIK 21 LINE KLASIK 22 LINE KLASIK 33 LINE KLASIK	11HHHLLL-50L0010 21HHHLLL-50L0010 22HHHLLL-50L0010 33HHHLLL-50L0010
		RADIK LINE KLASIK-R	20 LINE R 21 LINE R 22 LINE R 33 LINE R	20HHHLLL-R0L0010 21HHHLLL-R0L0010 22HHHLLL-R0L0010 33HHHLLL-R0L0010
		RADIK LINE VK	11 LINE VK 21 LINE VK 22 LINE VK 33 LINE VK	11HHHLLL-60L0010 21HHHLLL-60L0010 22HHHLLL-60L0010 33HHHLLL-60L0010
		RADIK LINE VKL	11 LINE VKL 21 LINE VKL 22 LINE VKL 33 LINE VKL	11HHHLLL-E0L0010 21HHHLLL-E0L0010 22HHHLLL-E0L0010 33HHHLLL-E0L0010
		RADIK PLAN VERTIKAL - M	10 20	10HHHLLL-V0P0010 20HHHLLL-V0P0010
HYGIENE	VERTIKAL	RADIK LINE VERTIKAL - M	10 20	10HHHLLL-V0L0010 20HHHLLL-V0L0010
		RADIK HYGIENE	10 20S 30	10HHHLLL-5CH0010 20HHHLLL-5CH0010 30HHHLLL-5CH0010
		RADIK HYGIENE VK	10 VK 20S VK 30 VK	10HHHLLL-6CH0010 20HHHLLL-6CH0010 30HHHLLL-6CH0010
		RADIK CLEAN	10 CLEAN 20S CLEAN 30 CLEAN	10HHHLLL-5C-0010 20HHHLLL-5C-0010 30HHHLLL-5C-0010
		RADIK CLEAN VK	10 CLEAN VK 20S CLEAN VK 30 CLEAN VK	10HHHLLL-6C-0010 20HHHLLL-6C-0010 30HHHLLL-6C-0010

# ORDER CODE

## Table for creation of a code

**TTHHHLLL-MMM0XX**



## Example for creation of a code

**RADIK VK** steel panel radiator.

type 22, height H = 500 mm, length L = 1800 mm, Colour White  
RAL 9016

**General structure**

**Correct code until**

**TTHHHLLL-MMM0XX**

**22050180-60-0010**

# SERVICE

## Service for business partners and customers

An expert for every situation – that is one of the basic ideas of the philosophy of the company KORADO with regard to service. The company KORADO pays great attention to communication with its partners on the market. It offers designers, merchants, and installers of heating systems broad support and complete technical documentation and information for daily work. The goal is clear and comprehensible – to create conditions allowing individual professional groups to design, sell, and fit RADIK, KORALUX and KORATHERM radiators so that the final customer can take advantage of their features to a full extent. To fulfill this philosophy, the company KORADO offers:

- technical catalogues for RADIK steel panel radiators, KORALUX towel rail radiators, KORATHERM flat panel radiators, KORAMONT mounting technology catalogue
- range of brochures and information leaflets for individual models of radiators, supplements and accessories
- Internet web page <http://www.korado.com>
- e-mail [info@korado.cz](mailto:info@korado.cz)
- professional lectures at the company training center
- professional consulting at specialized exhibitions in the Czech Republic and abroad
- The up-to-date offer is available and regularly updated on [www.korado.com](http://www.korado.com)



## Description

Connection fittings HM have been specially developed for steel panel radiators RADIK MM and RADIK PLAN (LINE) VERTIKAL - M, i.e. radiators without valve and with bottom connection with a connecting pitch of 50 mm. They can also be used for all other KORALUX and KORATHERM radiators with the same type of connection to the heating system.

It is the integrated fittings, i.e. the body of the fittings has an integrated valve and an adjustable screw connection so it is possible to disconnect the radiator from the heating system without interrupting operation. **Due to its special fittings design, the outlets for connection of inlet and return piping may be chosen freely.**

The fittings enable to preset the flow rate of the radiator, its closure at the inlet and outlet and thanks to the thermostatic head also regulation of the heat output of the radiator in relation to the temperature in the heated room. The presetting level is given by the number of turns on the plug of the adjustment screw connection from the "closed" position. Presetting of the regulation level is reproducible, i.e. when the flow is closed and then opened again, there is no change in the set regulation level.

## Delivery equipment

The following parts of HM fittings are delivered as standard:

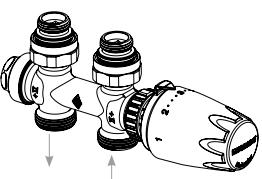
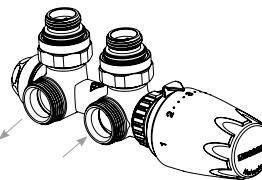
- integrated fittings in straight or angular design
- thermostatic head in white or chrome
- 2x reduction G 1/2" to G 3/4" with sealing "O" ring
- 2x flat sealing pieces from EPDM rubber
- assembly and operating instructions

Subject to special request, the following can be supplied:

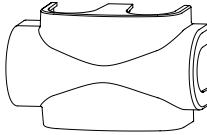
- universal cover for the fittings in white
- universal cover for the fittings in chrome

## How to order

### HM Fitting

	Design	Colour of the thermostatic head	Order number
	straight	white	Z-D023
		chrome	Z-D024
	angular	white	Z-D025
		chrome	Z-D026

### HM Fitting Cover

	universal	white	Z-D027
		chrome	Z-D028

# ACCESSORIES

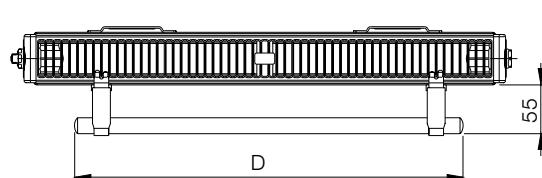
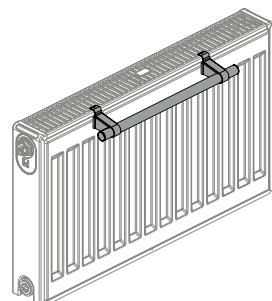
## Towel dryer for RADIK



- designed to be used for all types of the following models of panel radiators RADIK:

RADIK KLASIK  
RADIK KLASIK - R  
RADIK VK  
RADIK VKL  
RADIK VKU  
RADIK CLEAN  
RADIK CLEAN VK

- easy mounting and demounting
- no need to remove the top grill
- metal parts painted in white
- the towel dryer length **D** is not dependent on the radiator length **L**
- max. vertical load of the towel dryer is **50 N** up to 5 kg



Type	Towel dryer length D [mm]	Order number
Towel dryer for RADIK 600	600	Z-D030
Towel dryer for RADIK 900	900	Z-D031
Towel dryer for RADIK 1200	1200	Z-D032

## Radiator brush



- intended for cleaning all radiators KORADO
- easy and quick cleaning
- no need to remove the top grill
- bristle material – goat hair



Type	Order number
Radiator brush	Z-D029

# COLOUR CARD

## SATIN GLOSS

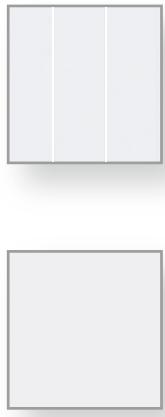
<b>code 10</b> White RAL 9016*	<b>code 14</b> Jasmine	<b>code 35</b> Silber RAL 9006	<b>code 16</b> Banana	<b>code 22</b> Manhattan	<b>code 26</b> Pergamon	<b>code 32</b> Anthrazit Metallic	<b>code 37</b> Red RAL 3001	<b>code 45</b> Pearl Brown

## MATTE

<b>code 47</b> RAL 9007	<b>code 48</b> RAL 9006	<b>code 49</b> RAL 7024	<b>code 51</b> RAL 7016	<b>code 54</b> RAL 7015	<b>code 57</b> RAL 7040	<b>code 40</b> Alloy Black	<b>code 42</b> Gold

## PLAN SET / LINE SET - available versions of detachable front panels

The models RADIK can be complemented with a new front panel in the version PLAN or LINE in basic white RAL 9016. Front panels are available also in other colours from RAL colour range with an extra charge.



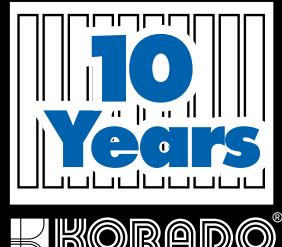
### Notice:

The colour of the radiator may vary in comparison with the colour shown in the colour card.  
The standard paint finish is RAL 9016, other colours from KORADO colour range with an extra charge 30 %. Radiators can be ordered also in other colours from RAL colour range with an extra charge 40 %.

# NOTES

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GUARANTEE



KORADO®



The quality marks are valid for  
the range listed on pages 63 and 64.



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Czech Republic

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