



DECOTHERM® PLUS.  
CLEAR LINES AND SOFT EDGES.



# HOW TO PROVIDE **QUALITY RIGHT TO THE POINT?**

More than 60 years ago, the founders of Arbonia had one aim in mind: Providing fellow humans with "warming" solutions. But today our aim is much broader. Arbonia is a brand for heat requirements and fulfils highest expectations in public and business buildings. But we still adhere to the high standards of our founders: customer support and solutions that are right to the point. What does this precisely mean? That's simple: we comply with supply and date arrangements in every detail. Starting with high-quality packaging as important component of the Arbonia standard of quality. The processing quality and the long

service life of our products have been convincing our customers for years now and are conform with the high requirements of currently valid regulations and standards. Individual customer service and highest possible flexibility of form and colour design are for us a matter of course. Our design expertise shows this, being acknowledged constantly by many awards. We at Arbonia develop all of this consistently and with passion – to provide you with precisely the room temperature solution that you need.

right to the point 



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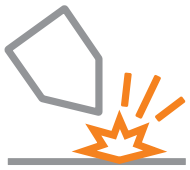
Flexible and safe:  
The main application range  
of our Decotherm® Plus



Wall

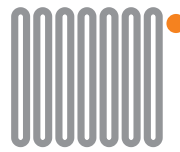
# ABSOLUTELY UNIQUE: ARBONIA QUALITY.

When manufacturing our products, we have one thing especially in mind: consistent quality assurance and product optimisation. Using state-of-the-art manufacturing plants and our long-term experience, we can consistently provide high product quality. Thus we are pioneers in this product environment.



## Production / Manufacturing

- Maximum individuality
- State-of-the-art manufacturing plants
- High manufacturing capacity
- High energy efficiency



## Products

- Reliability and long service life
- Highest surface quality
- Appealing visual effect
- Innovative solutions
- Customer-specific versions



## Packaging and transport

- Optimum protection for corners, surfaces and connections
- Comfortable handling
- Transport safety
- Sustainable and environmentally friendly disposal



## Installation

- Easy and fast
- Systems tuned to the product
- Flexible fixing options
- High safety

## Acknowledged quality

Our company and our products are tested and certified by independent institutions. These are for example:



- Uncompromising quality assurance system in accordance with DIN EN ISO 9001:2008
- Responsible environmental management in accordance with DIN EN ISO 14001:2004
- Energy management system in accordance with DIN EN ISO 50001:2011

# COMPREHENSIVE AND COMPETENT: **ARBONIA SERVICE.**

We advise and support you in all your needs, from planning and ordering to realisation and implementation. Our highly ambitious employees offer you comprehensive service that fulfil highest demands.



### Consultation and logistics

From indoor climate planning to implementation: you can count on the competence of our technical advisors – as well as on our precise logistics. For us delivery reliability means that we deliver precisely at the agreed place and time.



### Awards

Arbonia convinces: our high design expertise and innovation show this, being regularly acknowledged with highly popular awards in the sector. We are pleased with this, of course, and for you this is a good orientation.



### Warranty and safety

Committed to quality: we are consistently committed to the premium quality of our products.



### Online Service

Comfortable service for you: our EDP solutions make life a bit easier for you. Visit us online on our website [www.arbonia.com](http://www.arbonia.com)

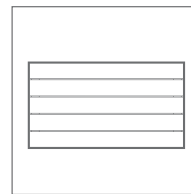


# STRAIGHT, CONSISTENT, HIGH QUALITY: ARBONIA DECOTHERM® PLUS.

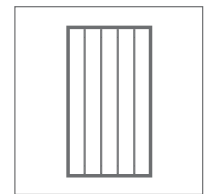
Straightforward, high-quality thermal design with clear lines. Fits exactly into modern, sophisticated interior design. Manufactured using the latest production technology. High level of comfort thanks to the ideal ratio of radiant heat and convection.

- 2 basic versions:
  - Model TH - with horizontal and model TV with vertical flat tubes
- High-quality design and clear lines
- Wide range of models available and noble accessories
- Units from stock programme with universal connection and included bracket available

## Versions



Model TH



Model TV

## Strong plus details

- Smoothly sealed tube ends
- Elegant 3 mm gap for more performance
- No welded seams visible
- End-to-end enclosure and side panel

## Special versions

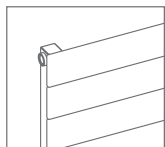
- Connections with factory  $k_v$ -preset built-in valve on the side
- High-pressure version: 10 bar (1000 kPa)
- Special lengths
- Angled and curved versions



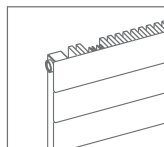


# HORIZONTAL LINES. MODEL TH.

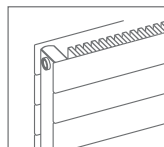
## Versions



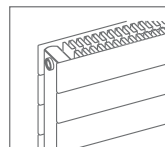
THN10 / THV 10



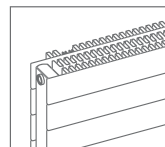
THN11 / THV11



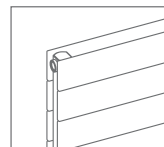
THN21 / THV21



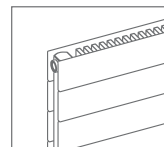
THN22 / THV22



THN23 / THV23



THN90 / THV90



THN91 / THV91

- Lengths: 500 - 6000 mm
- Heights: 160-1600 mm
- Depths: 53 - 137 mm
- Length gradation: 100 mm to L 1900 mm, 200 mm from L 2000 mm
- Intermediate lengths
- Operating pressure: 4 bar
- Optional with top grill
- Diverse range of safe fixing options available

## Explanation model code

Example: THN11 560 160 1100 or THV11 560

T	Decotherm Plus
H	horizontal
N / V	normal / valve (built-in)
1	1-layer
1	1-layer with fin
560	Height in mm
160	Nominal fin height in mm
1100	Length in mm

➤ For the technical data of our Decotherm® Plus, see page 15.

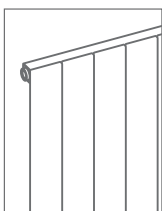
Decotherm® Plus model TV

# VERTICAL LINES. MODEL TV.

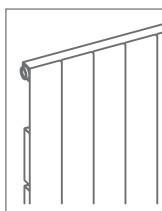




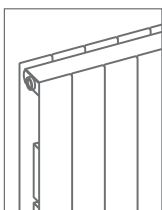
## Versions



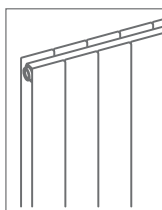
TVN10 / TVV10



TVN11 / TVV11



TVN21 / TVV21



TVN90 / TVV90

- Lengths: 160 - 1600 mm
- Heights: 600-2400 mm
- Depths: 53 - 102 mm
- Length gradation: 80 mm
- Operating pressure: 4 bar
- Side cover included in scope of delivery without surcharge
- Intermediate heights
- Thermostat head at a user-friendly height, on the right or on the left side



## Explanation model code

Example: TVN21 1800 480 or TVV21 1800 480

T	Decotherm Plus
V	vertical
N / V	normal / valve (built-in)
2	2-layer
1	1-layer with fin
1800	Height in mm
480	Length in mm

➤ For further accessories from our noble collection, see page 11

# ADAPT PERFECTLY TO YOUR PLANS: DECOTHERM® PLUS SPECIAL SOLUTIONS.

Exactly fitting special shapes permit seamless integration into any given room situation, optionally in angled or curved form.

## Curved version

- For model TH
- Possible for 1- and 2-layer versions with or without fins
- Minimum radius 400 mm
- Maximum height 6000 mm



## Angled version

- For 1-layer versions, with or without fins
- Angle can be between 90° and 270°





## THE ATTRACTIVE GLASS AND STAINLESS STEEL COLLECTION: **DECOTHERM® PLUS ACCESSORIES.**

Cleverly designed fixing permits easy mounting of shelves, towel rails, hooks, mirrors and even a tablet. And this to both horizontal and vertical versions. The models can also be upgraded subsequently.



## INFINITELY DIVERSE: OUR COLOURS.

Whether gentle turquoise, strong yellow or modern grey: with your products you can set colourful accents. In the colour that you want: our wide range of colours leaves no wishes unfulfilled.



# HIGHEST REQUIREMENTS MET: FIXING TECHNOLOGY ACC. TO VDI 6036.

High load-bearing capacity, optimum stability and maximum safety: The fixing technology of our radiators is constructed using our expert knowledge based on decades of experience. All in accordance with the VDI 6036 guideline by the Association of German Engineers. This ensures for our customers not only a perfect unit of radiator, fixing and material, but

also a higher legal protection. VDI 6036 supports you in dimensioning and selecting the suitable fixing of radiators in accordance with the stipulations of the Product Safety Law and our fixings all comply with this law. Right to the point.



## Absolute conformity with VDI 6036

If you see the VDI 6036 logo, you know that Arbonia complies with highest safety requirements.

## FOR COMPREHENSIVE SAFETY: INNOVATIVE FIXING TECHNOLOGY.

Our diverse fixing systems can be flexibly combined. In addition, they can be installed quick and easily and provide maximum safety.

- Ideally matched visually
- Outstanding price-performance ratio thanks to fewer brackets and less installation work
- In-house development and testing in accordance with VDI 6036
- Can be used immediately
- Brackets available in the radiator colour



### Wall bracket

- Infinitely adjustable depth
- Available in radiator colour
- One bracket - four variable wall distances (20 mm, 27 - 33 mm, 34 - 49 mm, 50 - 56 mm)
- The practical solution for Decotherm Plus models with or without fins



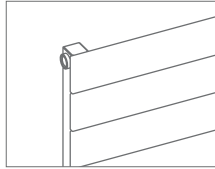
### Wall bracket

- Ideal solution for all Decotherm Plus models
- Available in radiator colour
- As wall bracket set of 2 or 3 available
- Scope of delivery: Bracket, dehinging safety device, screws and dowels
- One bracket - four wall distances (27, 35, 53 und 61 mm)
- High load-bearing capacity

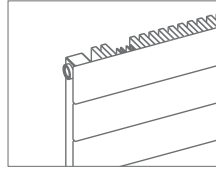
For detailed technical data and further fixing options, see our current document "Technology and Prices - Decotherm Plus".

# TECHNICAL DATA DECOTHERM® PLUS.

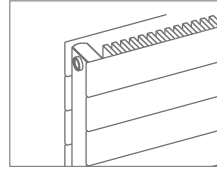
## Model TH



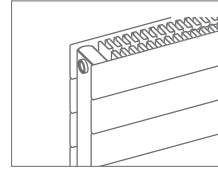
**THN10 / THV10**  
1-layer,  
without fin



**THN11 / THV11**  
1-layer,  
1-layer with fin



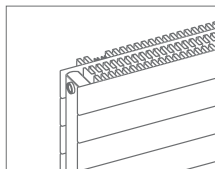
**THN21 / THV 21**  
2-layer,  
1-layer with fin



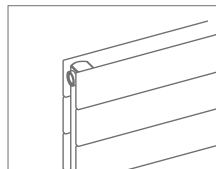
**THN22 / THV22**  
2-layer,  
2-layer with fin

Depth:	53 mm	60 mm	102 mm	102 mm
Heights:	160 - 1600 mm	160 - 960 mm	160 - 960 mm	160 - 960 mm
Lengths:	500 - 6000 mm	500 - 6000 mm	500 - 6000 mm	500 - 6000 mm
Length gradation:	100 mm to L 1900 mm; 200 mm from L 2000 mm			
Operating pressure:	4 bar / 10 bar	4 bar / 10 bar	4 bar / 10 bar	4 bar / 10 bar
Heat output: $\Phi_L \Delta T 50K$	101-6817 watts/m	188-6938 watts/m	244-6037 watts/m	328-6026 watts/m

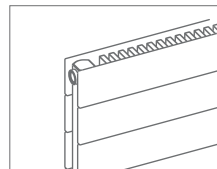
## Model TH



**THN23 / THV23**  
2-layer,  
3-layer with fin



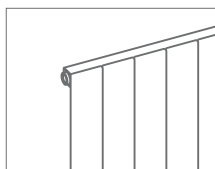
**THN90 / THV90**  
2-layer, narrow,  
without fin



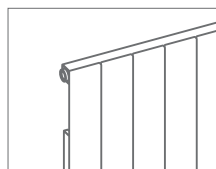
**THN91 / THV91**  
2-layer, narrow,  
1-layer with fin

Depth:	137 mm	61 mm	61 mm
Heights:	160 - 960 mm	160 - 1600 mm	160 - 960 mm
Lengths:	500 - 6000 mm	500 - 6000 mm	500 - 6000 mm
Length gradation:	100 mm to L 1900 mm; 200 mm from L 2000 mm		
Operating pressure:	4 bar / 10 bar	4 bar / 10 bar	4 bar / 10 bar
Heat output: $\Phi_L \Delta T 50K$	417-6530 watts/m	164-5819 watts/m	244-6747 watts/m

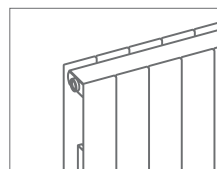
## Model TV



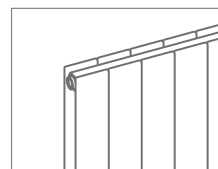
**TVN10 / TVV10**  
1-layer,  
without fin



**TVN11 / TVV11**  
1-layer,  
1-layer with fin



**TVN21 / TVV21**  
2-layer,  
1-layer with fin



**TVN90 / TVV90**  
2-layer, narrow,  
without fin

Depth:	53 mm	60 mm	102mm	61 mm
Heights:	600 - 2400 mm	600 - 2400 mm	600 - 2400 mm	600 - 2400 mm
Lengths:	160 - 1600 mm	160 - 1600 mm	160 - 1600 mm	160 - 1600 mm
Length gradation:	80 mm	80 mm	80 mm	80 mm
Operating pressure:	4 bar / 10 bar	4 bar / 10 bar	4 bar / 10 bar	4 bar / 10 bar
Heat output: $\Phi_L \Delta T 50K$	148-3851 watts/m	171-4852 watts/m	259-6786 watts/m	206-5483 watts/m

$\Phi_L \Delta T 50K$ : standard heat output at 75 / 65 / 20 °C



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Technical specifications subject to change

Because of limitations in the printing process, the illustrated colours are not binding.