AEL Flat Fronted Steel Panel Radiator Range

Available in 9 heights, 7 depths and 16 lengths, vertical or horizontal and finished in a choice of 22 factory colours or any *RAL colour for larger projects.

Available in every RAL colour

HF157 157mm deep - RAL9005
HF49 49mm deep - RAL9016
HF58 68mm deep - (Code22 Manhattan)
HF60 50mm deep - RAL9016
HF65 65mm deep - RAL3001
HF68 68mm deep - RAL9005
HF70 70mm deep - RAL9005
HF102 102mm deep - RAL5015

Efficient, cost effective, strong, reliable steel radiators, Suitable for up to 10 bar pressure and 110°C as standard.
AEL high quality flat fronted steel panel radiators

AEL flat fronted steel panel radiators are manufactured under ISO 9001 quality procedures and outputs are tested and verified to EN442 standards providing you with a selection of the most reliable steel panel radiators available in the UK. The AEL flat fronted radiator range comes in two styles, the Horizontal Flatrad (HF) and the Vertical Flatrad (VF), each style is available in a choice of 24 factory colours (see back page) or any RAL colour for larger projects.

Vertical Flatrad Technical Data:

All AEL VF radiators:
- Operate at any pressure up to 10 bar.
- Operate at any water temperature up to 110°C
- Provide the flow and return at the bottom middle of the radiator with an option to have the flow or return on the left or right side to suit your pipework.

The VF radiators are suitable for pressurised heating systems.

<table>
<thead>
<tr>
<th>Radiator Type</th>
<th>VF53 (53mm Depth)</th>
<th>Radiator Type</th>
<th>VF68 (68mm Depth)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (mm)</td>
<td>Height (mm)</td>
<td>1600</td>
<td>1800</td>
</tr>
<tr>
<td>400</td>
<td>Ø62</td>
<td>661</td>
<td>717</td>
</tr>
<tr>
<td>600</td>
<td>Ø29</td>
<td>109</td>
<td>166</td>
</tr>
<tr>
<td>900</td>
<td>Ø140</td>
<td>1251</td>
<td>1356</td>
</tr>
</tbody>
</table>

HF68 68mm deep - (Code 22 Manhattan)
TF68 68mm deep - (Code 22 Manhattan)

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Steel panel radiators available in every *RAL colour

Horizontal Flatrad Technical Data:

- All AEL HF radiators:
  - Operate at any pressure up to 10 bar.
  - Operate at any water temperature up to 110°C
  - Provide the option to have the flow and return on either the left or right side (e.g. top bottom opposite ends, top bottom same end or bottom opposite ends as standard).

### Output correction factors

Example: A Water flow in 80°C and out 60°C  
B Average water temperature is 70°C  
C Desired room temperature 20°C  
D 70°C MINUS 20°C = dt 50°C

If you have a dt other than 50°C multiply the output W on the charts to get the new output of your flatrad.
High Quality Surface Finish of AEL Flat Fronted Steel Panel Radiators

The AEL HF and VF steel panel radiator range has the finest quality surface finish found on a steel panel radiator in the UK. Not only does the ISO9001 inspected three stage process guarantee a high quality finish but it also includes an anti corrosion procedure that provides resistance against long term corrosion.

1. Preparation of the steel surface - includes degreasing, phosphating and rinsing.

2. Applying the first layer of paint by our KTL method which increases the anticorrosion and adhesive properties. This is then allowed to cool slowly in a drying pen for a long period to further increase the anticorrosion and adhesive properties.

3. Apply a final layer of epoxy-polyester powder paint in an air cabin, then it is oven dried and slowly cooled. The final finish is very tough, durable and enhances the overall heat transfer efficiency of the radiator.

Available in every RAL colour including white

The standard colour of the FF steel panel radiator range is RAL9016, the 22 colours shown below are a popular option. Additional RAL colours not shown are also available.

Available in every RAL colour

Radiators are finished in white powder coat (RAL 9016) as standard. The 24 colours shown above are available as an option.

*Every RAL colour is available to special order on larger projects only, please call our sales office for further information.

European Standard EN442 was brought into force to define “heat measurement sampling” for hot water radiators in all European countries, a positive step forward to ensuring radiators tested and approved will provide the stated heat output required and also give a guarantee that the product will be fit for purpose. EN442 provides a guarantee that the stated output of radiators from reputable manufacturers is correct and highlights and deters the use of poor quality untested radiators in European installations.

AEL Heating Solutions

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AEL reserve the right to alter designs and specifications without prior notice.