

# Zehnder ZVL LST



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The Zehnder ZVL wall mounted convector heater with smooth front panelling and rounded edges will prove an excellent addition to both new and refurbishment projects, where safety requirements are a key consideration.

Convection heating is especially suitable for environments where quick heat demand response times are needed, to handle temperature fluctuations and need for low surface temperatures as required.

With the ability to conform to all relevant NHS guidelines and tested to current EN442 requirements, the Zehnder ZVL LST is suitable for:

- Hospitals
- Care centres, Retirement homes
- Schools, nurseries
- Public buildings
- Entrance areas and lobbies



## NHS Guidelines

Unless specified FULLY compliant, the surface temperature of the front and side casings for the models listed within the brochure are compliant to NHS guidelines. The grille temperature for these models may exceed 43°C dependant on operational factors.

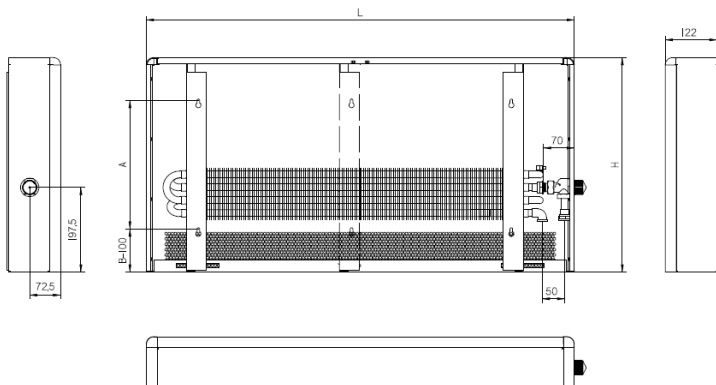
## Product Selection

The Zehnder ZVL is available in the following sizes:

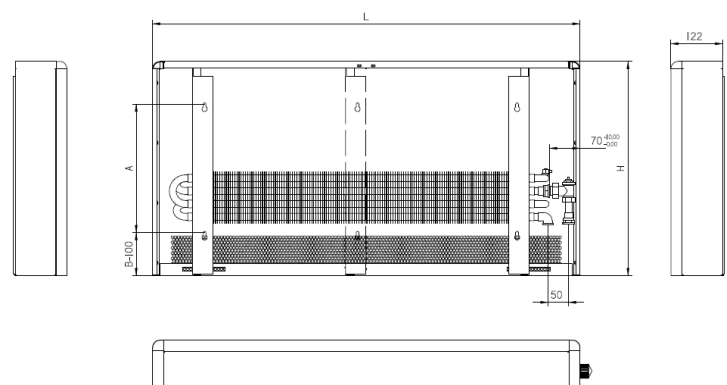
- 750 mm and 900 mm (H)
- 900 mm, 1,200 mm, 1,500 mm, 1,800 mm, 2,100mm and 2,400mm (L)
- Depth is 122 mm

Emitter height is 150mm

With Cut-outs



Without Cut-outs



## Finish

Standard finish is RAL9016 (white). Standard colours from Zehnder colour chart are available (at cost).  
An anti-bacterial finish is available on request (at cost).

## Features

- Cover surface-treated 1.5mm thickness steel sheet metal with an epoxy polyester powder coating
- Smooth front panelling with rounded edges for additional safety
- Round or rectangular grille holes as per requirement

## Heat Output Data

| $\Delta T 50$ | Case Height | Depth | Exp.   | Output by Case Length in mm |      |      |      |      |      |
|---------------|-------------|-------|--------|-----------------------------|------|------|------|------|------|
| Model         | mm          | mm    |        | 900                         | 1200 | 1500 | 1800 | 2100 | 2400 |
| ZVL-075-012   | 750         | 122   | 1.4397 | 720                         | 1028 | 1337 | 1646 | 1954 | 2263 |
| ZVL-090-012   | 900         | 122   | 1.4242 | 782                         | 1118 | 1453 | 1788 | 2124 | 2459 |

| $\Delta T 40$ | Case Height | Depth | Exp.   | Output by Case Length in mm |      |      |      |      |      |
|---------------|-------------|-------|--------|-----------------------------|------|------|------|------|------|
| Model         | mm          | mm    |        | 900                         | 1200 | 1500 | 1800 | 2100 | 2400 |
| ZVL-075-012   | 750         | 122   | 1.4397 | 522                         | 746  | 970  | 1194 | 1417 | 1641 |
| ZVL-090-012   | 900         | 122   | 1.4242 | 569                         | 814  | 1057 | 1301 | 1546 | 1790 |

## Performance Data

**Max. operating temp:** 110°C

**Max. operating pressure:** 10 bar

**Protection:** IP20

**Ambient conditions temperature:** T = +2 to +40°C humidity Rh = 20 to 70%

## Technical Data

| Model code                                              | Width (mm) | Height (mm) | Depth (mm) | Nett Weight - (kg) | Gros Weight - (kg) | Volume (cm3) |
|---------------------------------------------------------|------------|-------------|------------|--------------------|--------------------|--------------|
| <b>Zehnder LST. White finish, standard connections</b>  |            |             |            |                    |                    |              |
| <b>ZVL-075-012-900</b>                                  | 900        | 750         | 122        | 18.88              | 20.20              | 820          |
| <b>ZVL-075-012-1200</b>                                 | 1200       | 750         | 122        | 25.18              | 26.94              | 1130         |
| <b>ZVL-075-012-1500</b>                                 | 1500       | 750         | 122        | 31.47              | 33.67              | 1460         |
| <b>ZVL-075-012-1800</b>                                 | 1800       | 750         | 122        | 37.77              | 40.41              | 1770         |
| <b>ZVL-075-012-2100</b>                                 | 2100       | 750         | 122        | 44.06              | 47.14              | 2090         |
| <b>ZVL-075-012-2400</b>                                 | 2400       | 750         | 122        | 50.36              | 53.89              | 2410         |
| <b>Zehnder LST. White finish, standard connections</b>  |            |             |            |                    |                    |              |
| <b>ZVL-090-012-900</b>                                  | 900        | 900         | 122        | 21.12              | 22.60              | 820          |
| <b>ZVL-090-012-1200</b>                                 | 1200       | 900         | 122        | 28.17              | 30.14              | 1130         |
| <b>ZVL-090-012-1500</b>                                 | 1500       | 900         | 122        | 35.21              | 37.67              | 1460         |
| <b>ZVL-090-012-1800</b>                                 | 1800       | 900         | 122        | 42.25              | 45.21              | 1770         |
| <b>ZVL-090-012-2100</b>                                 | 2100       | 900         | 122        | 49.29              | 52.74              | 2090         |
| <b>ZVL-090-012-2400</b>                                 | 2400       | 900         | 122        | 56.33              | 60.27              | 2410         |
| <b>Zehnder LST. Colour finish, standard connections</b> |            |             |            |                    |                    |              |
| <b>ZVL-075-012-900</b>                                  | 900        | 750         | 122        | 18.88              | 20.20              | 820          |
| <b>ZVL-075-012-1200</b>                                 | 1200       | 750         | 122        | 25.18              | 26.94              | 1130         |
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## Technical Data

| Model code                                               | Width (mm) | Height (mm) | Depth (mm) | Nett Weight - (kg) | Gross Weight - (kg) | Volume (cm3) |
|----------------------------------------------------------|------------|-------------|------------|--------------------|---------------------|--------------|
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| <b>ZVL-090-012-2400</b>                                  | 2400       | 900         | 122        | 56.33              | 60.27               | 2410         |

## Options

### Heat Exchanger

Aluminium / copper finned heat exchanger with an air vent valve, 2 × G1/2" inner connection threads.

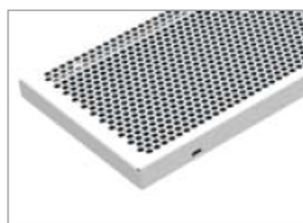
### Grille

Round or rectangular holes as per order specifications; the linear grille is securely attached to the cover

Rectangular Holes  
29.5mm x 4.5mm



Circular Holes  
Ø 5.5 mm



### Valve

Axial thermostatic valve, M30 x 1.5 thread with a 2.5 mm pitch (not supplied with side connection configuration)



### Mounting

Wall brackets with connecting elements. Supplied with 'single fix' fully adjustable brackets which mount both the emitter and the case. Very little site assembly is required.

