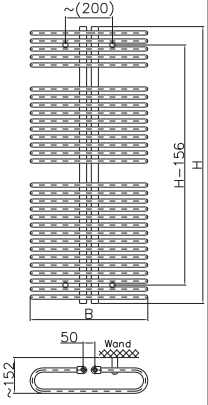




# Assembly Instructions

## DESIGNER RADIATOR HEL/SCU/K3

### Parts Supplied

| Ref | Description   | Illustration  | Qty |
|-----|---------------|---|-----|
| A   | Radiator      |    | 1   |
| B   | Air vent      |  | 1   |
| C   | Blanking plug |  | 1   |

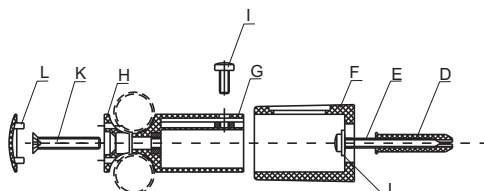
### Tools Required (not supplied)

Drilling Machine Electric Drill  
 Drill 8 mm Masonry Drill Bit  
 22 mm Spanner  
 Screwdriver  
 Hammer

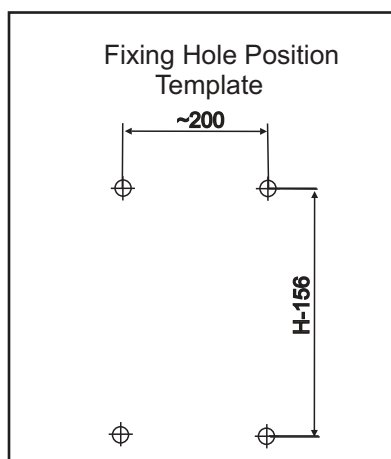
### Before you start :

- Please read instructions carefully before installation.
- Check the pack and make sure you have all parts listed above. If not, contact your local distributor store who will be able to help you.
- Ensure you have suitable isolation valves.
- Before drilling, first check that there are **no** hidden water pipes or electrical cables.
- This radiator is designed for use on an open or closed heating system up to a max pressure of 10 bars. For use on open systems the warrantee is subject to the addition of an anti-corrosion additive like Fernox.
- When you are ready to start, make sure you have the right tools to hand, plenty of space and clean dry area for assembly.
- Make sure that you use the right type of wall fixing. The plugs supplied are for solid masonry walls only.

### Fittings Supplied (for solid walls)



| Ref | Description  | Qty |
|-----|--------------|-----|
| D   | Masonry plug | 4   |
| E   | Screw        | 4   |
| F   | Screw plug   | 4   |
| G   | Insert bush  | 4   |
| H   | Outer casing | 4   |
| I   | Grub screw   | 4   |
| J   | Bolster      | 4   |
| K   | Screw        | 4   |
| L   | Plug         | 4   |



## Installation

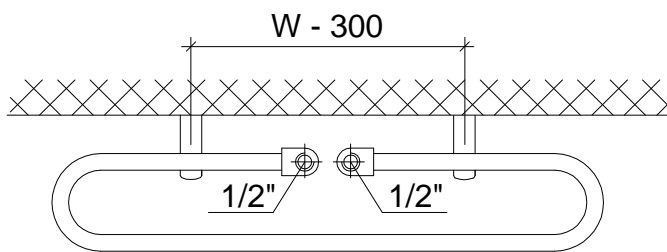
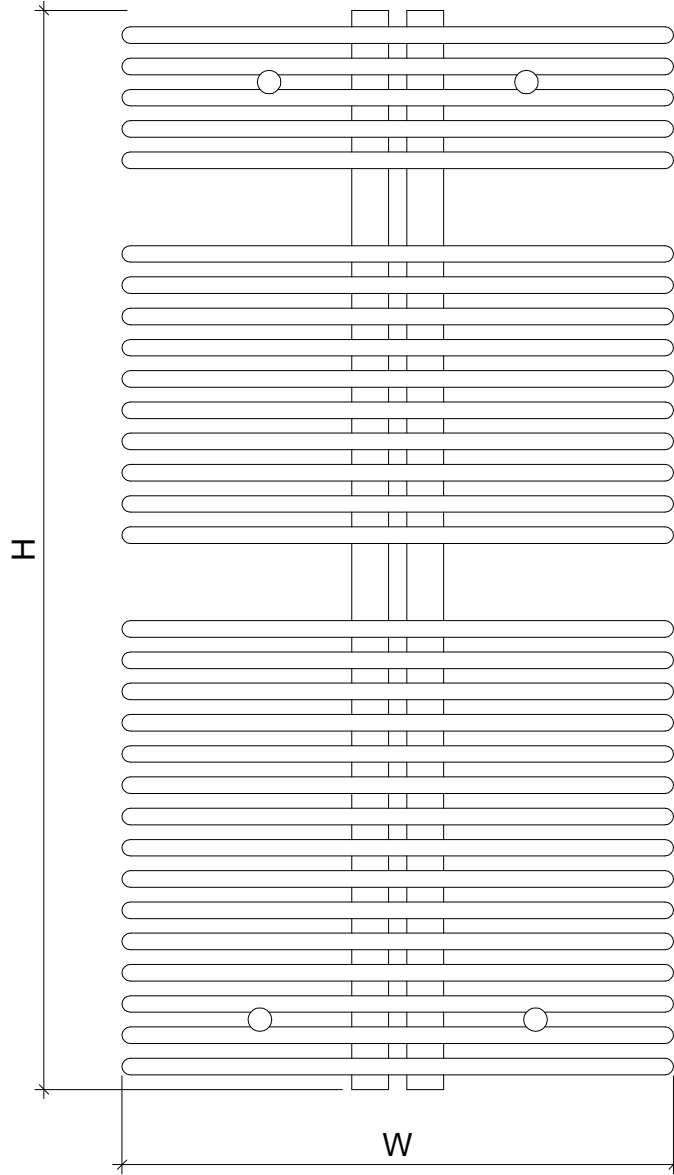
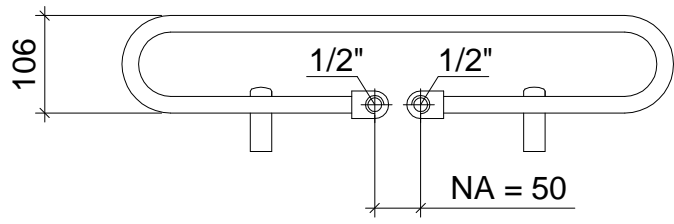
1. Using the dimensions given in the fixing hole template if using the plugs supplied drill 4 holes to a depth of approximately (B-230) mm and a diameter of 8 mm. **NOTE:** The distance from the floor to the bottom of the radiator must be at least 200 mm for efficient heating and ventilation. The distance between the two ½" pipe connections is 50 mm.
2. Insert masonry wall plugs ( D ) provided into the drilled holes, solid walls only.
3. Fasten screw ( E ), bolster (J) through screw plug ( F ) to fix securely to the wall.  
**Take care not to over tighten.**
4. Fix the outer casting ( H ) and the insert bush ( G ) loosely to the horizontal bars of the towel radiator . The outer casting ( H ) must be at the front of the radiator / towel warmer and the insert bush ( G ) at the back.
5. Position the radiator / towel warmer by sliding the outer castings ( H ) ( attached between the horizontal bars ) over the screw plugs ( F ) of the brackets already attached firmly to the wall. Tighten the insert bush ( G ) against outer casting ( H ) to secure the towel radiator is held securely.
6. Secure fixings by inserting the small "grub" screw ( I ) provided into the pre threaded holes of the insert bush ( G ). **Take care not to over tighten.**
7. Fit the supplied air vent ( B ) and blanking plug ( C ) into the upper threaded openings of the radiator.
8. Connect the water flow and the return pipe to the chosen side of the radiator and the isolation valves ( not supplied ). Ensure a water tight seal is obtained by using PTFE tape on the threads.
9. How to first fill and vent the radiator:
  - Open the air vent
  - Slightly open the inlet valve (about 10%) while leaving the outlet valve totally closed.
  - Allow the system to fill the radiator. If possible fill without use of the heating pump, it is important that the radiator is filled slowly.
  - When the radiator has been filled close the air vent.
  - Open both inlet and outlet valves totally and use the heating system for about 2 hours.
  - Totally close both inlet and outlet valves.
  - Open the air vent and let out all air.
  - This should clear all air from the radiator. If you are still having problems, on some systems it may be necessary to fit an automatic air vent.
10. **Please ensure that a correct seal is made on the connections of the radiator as corrosion due to incorrect installation is not covered under the product warrantee.**

## Care & Use

- After fitting you **MUST** be absolutely certain that the system is **THOROUGHLY** flushed before it is commissioned in order to rinse out any metal, flux and foreign residues.
- To help prevent internal corrosion and lime scale formation a suitable inhibitor **MUST** be added to the central heating system when it is refilled
- Wipe radiator clean with a soft damp cloth. Never use scourers, abrasives or chemical cleaners.

## Troubleshooting

- If some panels of the radiator are not warm, check and purge once more using step 9



All dimensions in mm - bottom to up! (W = width, H = height, NA = 50 mm)  
 Tube layout for height: 768 (3 / 5 / 3); 1176 (15 / 10 / 5); 1720 (15 / 10 / 9)

\* Wall to centre (variable;  $\frac{1}{2}$  inch)

\*\* Wall to front face (variable)

