

Column Installation & Maintenance Instructions

Component	Qty
A Radiator	1
B Wall mounting brackets	See schedule below for bracket quantity
C Screws* material	Between 2 & 8 per bracket according to wall material

* Screws and wall plugs are not supplied with radiator. Screws must be selected according to wall material and construction, i.e. brickwork, plasterboard, wood panelling etc. The maximum design loading per fixing is 8kg.

Note

Clear plastic sheet around the radiator should be opened to check the radiator for transit damage and then replaced until after installation to provide protection on site especially while decorating takes place in the area.

Tools required

- Valves (contact your distributor for valves aesthetically matched to radiator)
- Allen key or spanner to suit valves
- PTFE tape (high density tape is preferred)
- Tape measure
- Spirit Level
- Electric Drill
- Masonry drill bit to suit wall plug or screw size (Eskimo brackets will take screws up to 7mm in diameter)
- Screws & Wall plugs as required
- Screwdriver
- Bleed Key

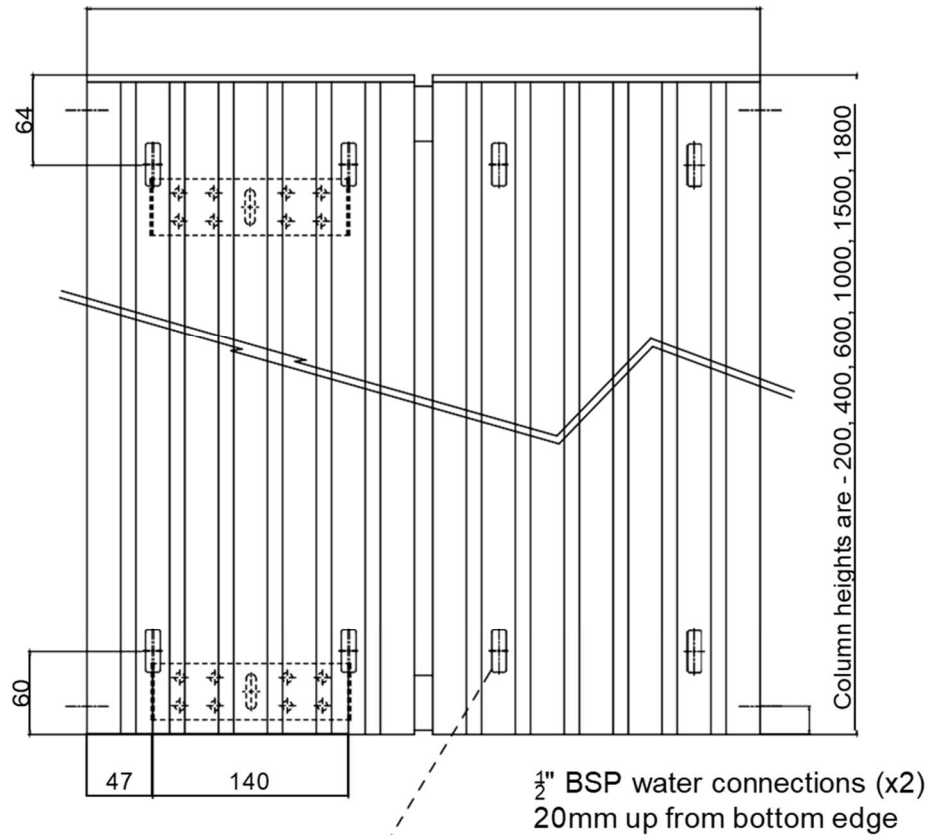
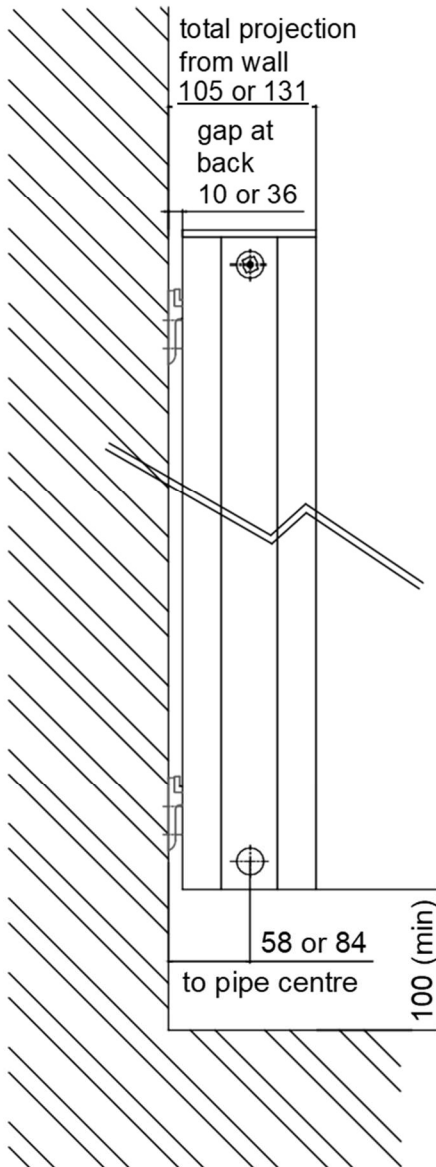
Column bracket quantity per radiator		
COLUMN radiator height range (mm)	Number of sections	Number of Brackets
All radiator heights	1	2
200-600	2 to 6	4
	7 to 9	6
	10+	8
800-1800	2 to 4	4
	5+	6

All dimensions in millimetres

Length of radiator - single section = 233

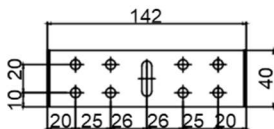
The gap between sections is 11

So the length of multiple section radiators = the number of sections x 233 + the number of gaps x 11 - remember there is always one less gap than there are sections



Hanging bracket slots - each radiator section has top and bottom slots. Any of these hanging slots can be used but make sure you use all brackets provided and even them out across the radiator to distribute the weight uniformly

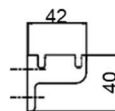
Hanging Bracket Detail - front -



Hang the rad on the hanging brackets using the corresponding hanging slots on the rad - use half the brackets on the top slots and half on the bottom slots - single section rads have 2 brackets, with additional brackets supplied for multiple section rads

8 x 7mm holes plus a 7 x 25mm slot are provided per bracket to allow for multiple fixing positions - use a minimum of 2 fixings per bracket

Hanging Bracket Detail - side -



the brackets allow for the rad to be mounted in two positions - with either a 10mm gap behind the rad to minimise projection or a 36mm gap to allow for skirting boards or other obstructions. Plastic spacers are provided and must be used to prevent expansion noises

Pipe Centres = Length of radiator - 3mm + Valves (normally 90mm) i.e For a 720mm wide Column the pipe centres would be $720 - 3 + 90 = 807\text{mm}$

Installation Instructions

1. Before starting work, ensure working area is free of obstructions and objects that could cause harm to you or the radiator. Unpack radiator (A) carefully. If laying the radiator onto the floor place it with the back face to the floor, unless you can ensure that there is nothing underneath that could cause damage to the front face – grit or foreign objects can scratch the radiator.
2. Apply sufficient PTFE tape to valve tail threads to provide a leak-tight seal.
3. Screw valve tails into threaded pipe connections on radiators **please note, the female aluminium threads in the radiator can be damaged by cross-threading of the valve tails – ensure that thread is correctly aligned before tightening.** Do not over-tighten.
4. Mark out bracket fixing points on wall as per installation drawing above.
5. For single section radiators 2 hanging brackets are provided. For multiple section radiators additional brackets are provided. Use all brackets provided.
6. On the first bracket drill a hole *for the slotted central bracket hole only* in wall as required by screws and wall plugs used. Attach this first bracket to the wall through this hole only, but do not yet tighten. The hooks with plastic spacers should be at the top.
7. Level up the bracket using a spirit level and then mark out additional fixing positions on the wall through the 7mm holes (8 holes are provided as options but not all should be necessary –2 good fixings should suffice)
8. Remove the bracket and drill holes in the positions marked, using wall plugs and screws as required refit the bracket and tighten up all fixings.
9. Using the first bracket as a datum you can now mark out the position of the remaining brackets corresponding to the hanging slot positions on the radiator. Every radiator section has hanging slots but on longer radiators not all hanging slots will be used.
10. Repeat steps 6 through 8 for the remaining hanging brackets.
11. Hang the radiator onto the brackets ensuring all brackets are fully engaged. Use the slots at the back of the radiators for hanging the radiator. **Radiators are a heavy item, and many of the radiators in our range require more than 1 person to lift them safely. Never attempt to mount a radiator that you cannot comfortably lift.**
12. Plumb radiator into heating circuit in accordance with current ISO standards, paying particular attention to the flushing and dosing of the system with a corrosion inhibitor compatible with aluminium – Eskimo recommend Fernox F1, formulated for mixed metal systems.
13. If installation problems arise, please refer to the Eskimo website for more detailed information, specifically on the correct venting and system balancing procedure. If problems persist, please contact the Eskimo technical department – the number is shown at the top of this page.
14. Painted Columns have the welds at the bottom of the radiator masked off prior to painting as part of the test procedure – this will leave a small area of bare aluminium underneath the radiator – this is in no way detrimental to the function of the product and will not be seen after installation.

DECLARATION OF PERFORMANCE
No. 002CPR 2018-03-01

Ron range heat emitter for use with central heating systems with optional towel rail(s) for drying and warming of towels.

Type Nos: COL-1-1-A to COL-999-999-Z

For the space heating of domestic and commercial premises as a component of a central heating system.

Designed & manufactured by:

Eskimo Products Ltd
Unit 7, Ace Business Park
Mackadown Lane
Birmingham B33 0LD

Compliance System 4 to BS EN 442 Manufacturing facility certified to BS EN ISO 9001:2008

Essential characteristics	Performance	Harmonised technical specification
4.1 Reaction to fire class	Class A1	BS EN 442: 2004
4.2 Release of dangerous substances (pre-treatment and paint)	The materials in this product do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations	
4.3 Pressure tightness – test pressure	> 7.5 bar	
Maximum operating pressure	5.5 bar	
4.4 Rated thermal output and thermal output in different operating conditions	Dependent upon specific part number supplied, the thermal output is certified as being in accordance with the official Eskimo Products Ltd. published data	
4.5 Durability (resistance to corrosion of the pre-treatment and paint)	Pass	
Durability (corrosion resistance of wetted parts)	Pass	
Durability – fatigue resistance – pressure cycling according to Eskimo Products Ltd standard 3.1	Type > 10475 cycles @ 10 bar Pass	
Durability – fatigue resistance – thermal cycling according to Eskimo Products Ltd standard 3.2	Type > 10475 cycles from 10°C to 90°C Pass	
Maximum operating temperature	95°C	

The performance of the product identified above is in conformity with the declared performance.

The declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of Eskimo Products Ltd:



Managing Director Birmingham, UK, February 8th, 2024

Declaration of Conformity

This declaration of conformity is issued under the sole responsibility of the manufacturer

Manufacturer's Name: Eskimo Products Ltd Address: Unit 7, Ace Business Park, Mackadown Lane, Birmingham B33 0LD, United Kingdom
Product/Type of Equipment: Central Heating Radiator
Model Name: Column Type Names: Finishes: All , Type Numbers: COL-xx-xxxx-xx to COL-xx-xxxx-xx (x designates number ranges from 1 to 9 and letters from A to Z)

The designated products are in conformity with the European Directives:

2011/65/EU

All products in the table conform to the Directive (EU) 2015/863 amendment of the RoHS DIRECTIVE 2011/65/EU, Article 4(1): and do not contain any of the below-mentioned 10 Hazardous substances above the specified limits).

Restricted substances	Maximum Threshold
Cadmium	100 ppm (0.01 weight%)
Mercury	1000 ppm (0.1 weight %)
Hexavalent chromium	1000 ppm (0.1 weight %)
Lead	1000 ppm (0.1 weight %)
Polybrominated biphenyls (PBB)	1000 ppm (0.1 weight %)
Polybrominated diphenyl ethers (PBDE)	1000 ppm (0.1 weight %)
Bis(2-ethylhexyl phthalate (DEHP)	1000 ppm (0.1 weight %)
Benzyl butyl phthalate	1000 ppm (0.1 weight %)
Dibutyl phthalate (DBP)	1000 ppm (0.1 weight %)
Di isobutyl phthalate (DIBP)	1000 ppm (0.1 weight %)

This product is manufactured to CE regulations and conforms to the following standards:

SAFETY: BS EN 442-1:2014

Signed



Philip Ward Managing Director
Birmingham

February 8th, 2024

