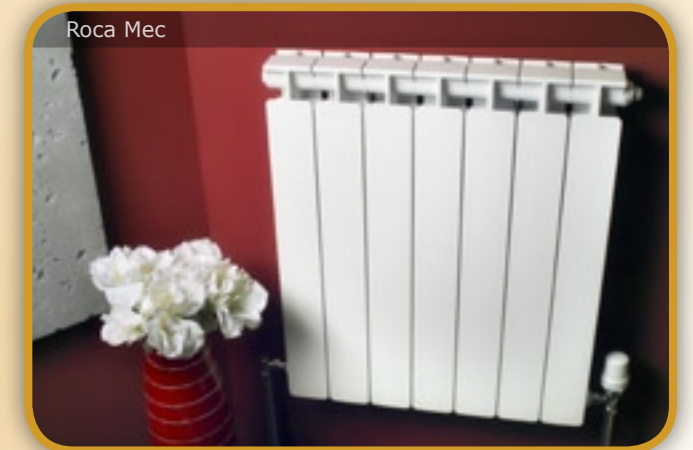
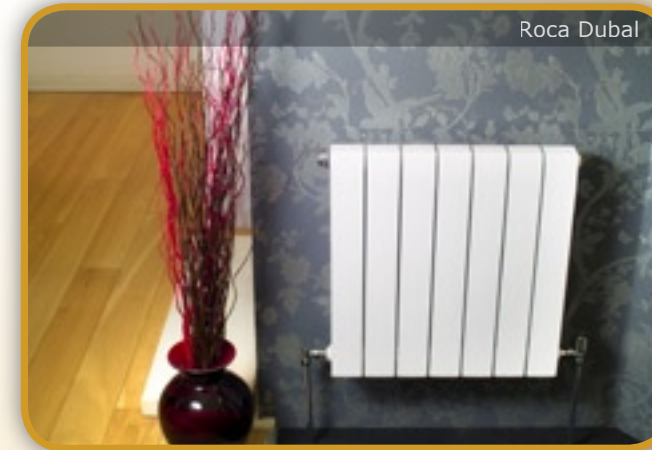
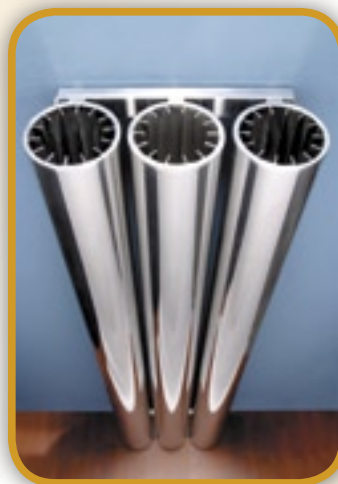
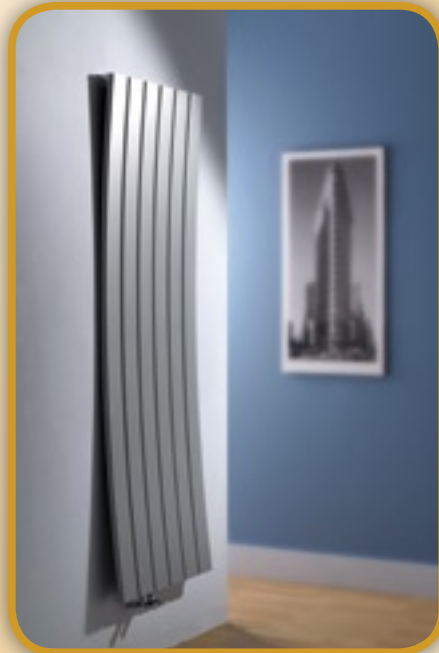


# Designer Aluminium

# HDL Heating Distributors

est. 1970



## HDL Heating Distributors

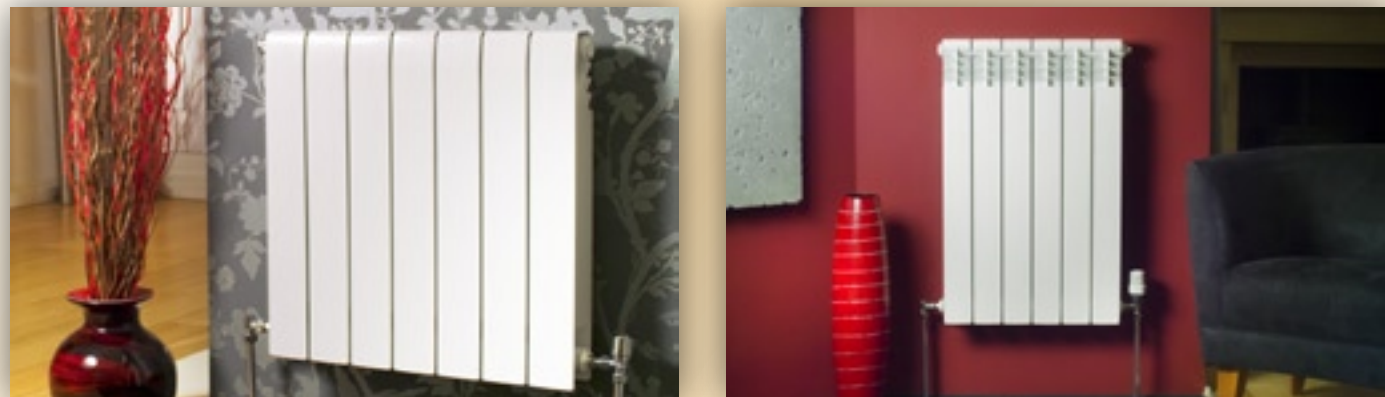
Heating Distributors Ltd.,  
32 North Park, North Road, Finglas Dublin 11  
Tel: 01 864 8950, Fax: 01 864 8951  
Email: info@heatingdistributors.com  
Web: www.heatingdistributors.com

# Aluminium Radiators

100% Recyclable - clean & green



# DUBAL Aluminium Reversible Radiator

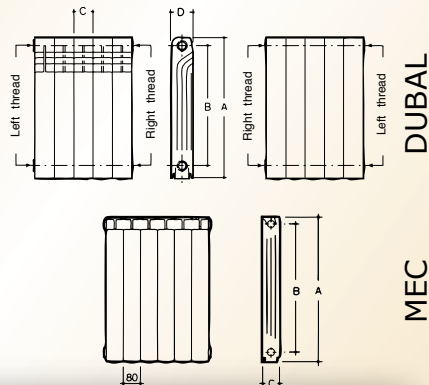


Model	A mm	B mm	C mm	Water Content Ltrs	Approx weight KGs	Open Front BTUs $\Delta t = 50^{\circ}\text{C}$	Flat Front BTUs $\Delta t = 50^{\circ}\text{C}$
DUBAL 30	288	80	147	0.27	1.36	265	271
DUBAL 45	421	80	82	0.29	1.13	352	339
DUBAL 60	571	80	82	0.36	1.43	461	445
DUBAL 70	671	80	82	0.43	1.63	533	518
DUBAL 80	771	80	82	0.50	1.83	594	575
Radiator	Pipe centres Left to Right			Pipe Centres from Wall		Depth from Wall	
Dubal 30	number of sections x 80mm +28mm + valves			98.50mm		172mm	
Dubal 45-80	number of sections x 80mm +28mm + valves			66mm		107mm	

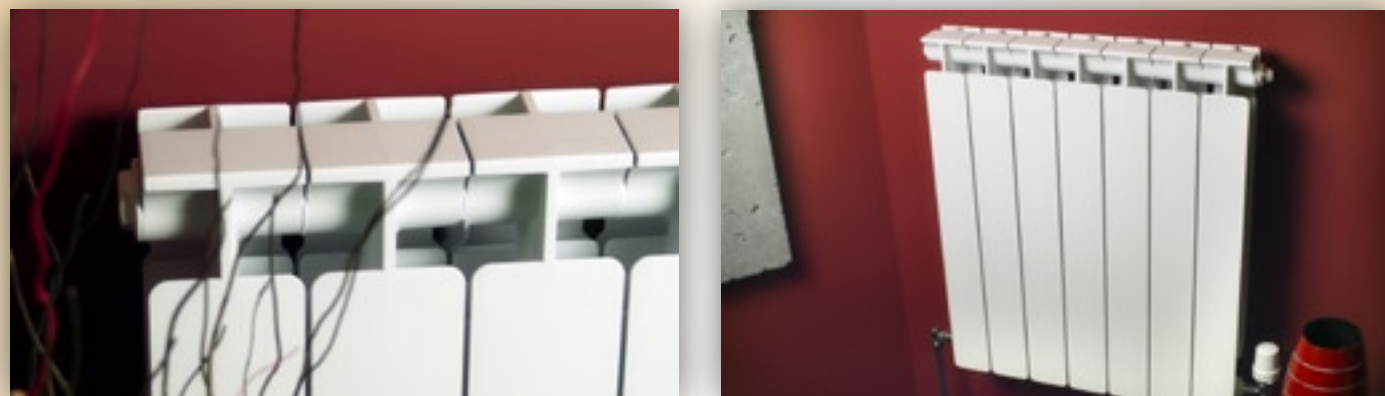
Roca sectional radiator, made from cast pressure-injected aluminium alloy. Subjected to stringent quality controls, from the chemical composition of the raw materials to the final finish. A perfect finish in white Ral 9010 achieved through an electrophoretic primer coating and a second coating of epoxy powder paint, baked at high temperature. The result is a high quality and attractive appearance unchangeable with time. The DUBAL/MEC aluminium radiator has been devised for hot water heating systems up to 6 bar and 110°C or low pressure steam up to 0.5 bar.

## DUBAL REVERSIBLE MODEL

Special attention has been paid to the design, since this doubly aesthetic formula is presented for the first time. One side which brings together the classic appearance of the aluminium radiator with the front openings of high thermal output and another which reproduces the elegant line of the well-known DUBAL Radiator which Roca has successfully spread in the European heating market. The installer and the user can decide on which aspect of the one product best combines with the decor of each room. (MEC not reversible)



# MEC Aluminium Radiator



Model	A mm	B mm	C mm	Water Content Litres	Approx weight KGs	Output BTUs $\Delta t = 50^{\circ}\text{C}$
MEC 45	425	80	80	0.29	1.00	326
MEC 60	575	80	80	0.40	1.34	428
MEC 70	675	80	80	0.46	1.57	498

Heat output meets UNE 9-015-86 for  $\Delta t = 50^{\circ}\text{C}$  (Mean Radiator - Room T. in  $^{\circ}\text{C}$ )

Radiator	Pipe centres Left to Right	Pipe Centres from Wall	Depth from Wall
Mec	number of sections x 80mm +28mm + valves	65mm	105mm

# Aluminium Radiator OSCAR



Model	A - mm	B - mm	C - mm	Watts - $\Delta t = 50^{\circ}\text{C}$	BTUs - $\Delta t = 50^{\circ}\text{C}$
OSCA 94	946	80	95	175	597
OSCA 10	1046	80	95	190	648
OSCA 12	1246	80	95	218	744
OSCA 14	1446	80	95	245	836
OSCA 16	1646	80	95	271	925
OSCA 18	1846	80	95	297	1014
OSCA 20	2046	80	95	321	1096
Radiator	Pipe centres Left to Right		Pipe Centres from Wall	Depth from Wall	
Oscar	number of sections x 80mm +28mm + valves		70mm - 75mm	116mm - 121mm	

The Oscar is great if you are tight on wall space but need good output. The Oscar model can also be supplied with matching end panels; these create a flush appearance to the radiator and accentuate the clean lines. Available in over 40 combinations; 7 height options in up to 10 sections.

## INSTALLATION

The following precautions should be taken when installing aluminium radiators: **An automatic air vent** should always be fitted to every radiator. **The water in the system** should be treated so as to maintain the pH between 5 and 8. **Once installed**, do not allow the radiator to become completely isolated from the rest of the system, and do not allow the radiator valve and the lock-shield valve to remain closed simultaneously for any time.

## FITTING

If you wish to increase the size of a radiator by adding more sections, please note that the corresponding internal nipples and gaskets should be used. Plugs and bushings do not require stuffing or any extra sealing as the leak-tightness is ensured by the gasket.

## HYDRAULIC TEST

We recommend that the radiators are tested after their installation at 1.3 times the working pressure.

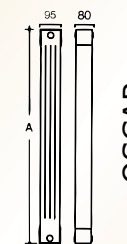
## AUTOMATIC AIR VALVE



Aluminium radiators may generate hydrogen, produced by the water contained in the system. It is advisable to prevent a build-up of this gas and so an automatic air valve should be fitted to each radiator. The Roca automatic air valve has been specifically designed for this purpose, thus assuring a correct operation and safety for the heating system.

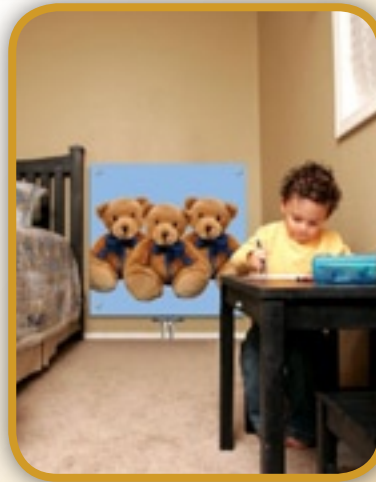
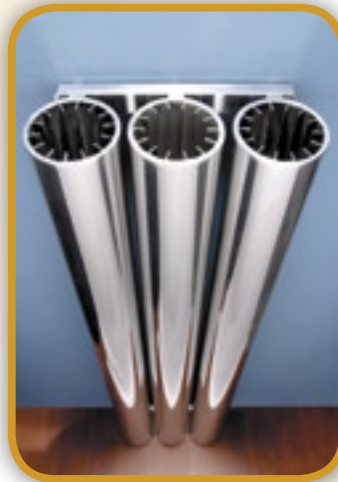
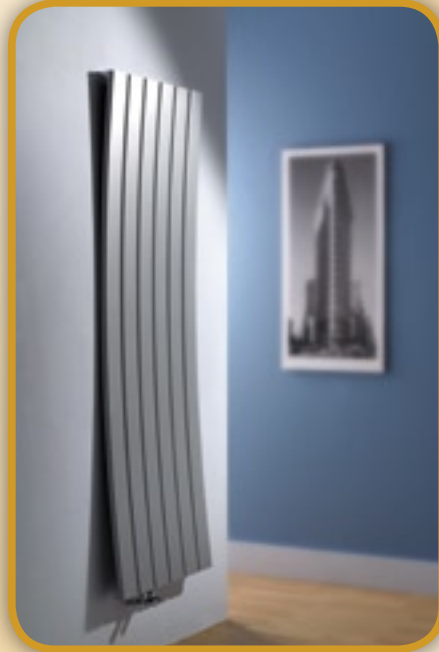
## MAIN FEATURES

- Radiators made up of sections which are joined together by means of nipples with left and right hand thread and sealing gasket.
- Sections manufactured by pressure-injecting molten aluminium alloy.
- Radiators assembled and tested to 9 bar.
- Finished with two coats of paint. Primer coated by electrophoresis (dipped) with a subsequent coat of white epoxy powder RAL 9010 (both coats oven-dried).
- Accessories made up of: Plugs and bushings, with left and right-hand thread, gaskets, brackets and automatic venting.

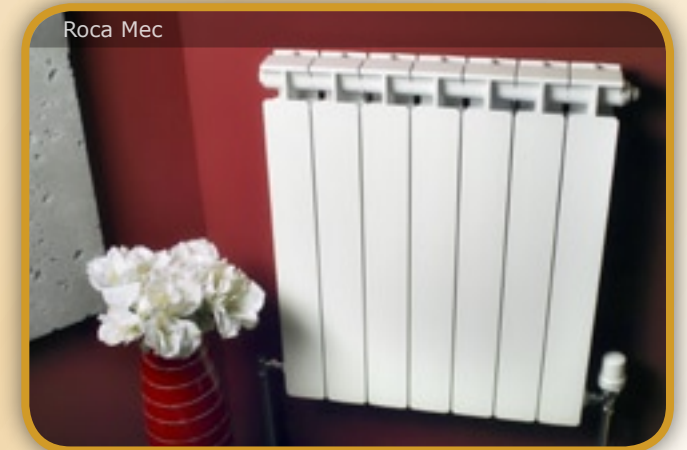
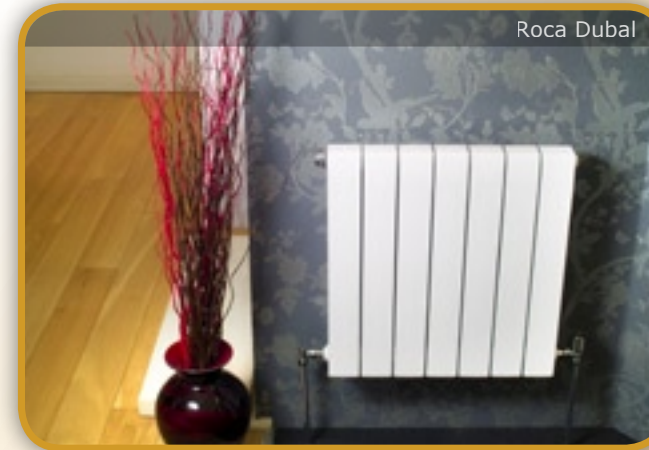




# Designer Aluminium



# Aluminium Radiators



**HDL** Heating Distributors

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