



BARLO COMPACT



barlo **qrl**
RADIATORS

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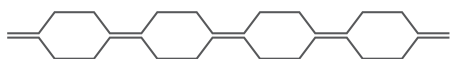
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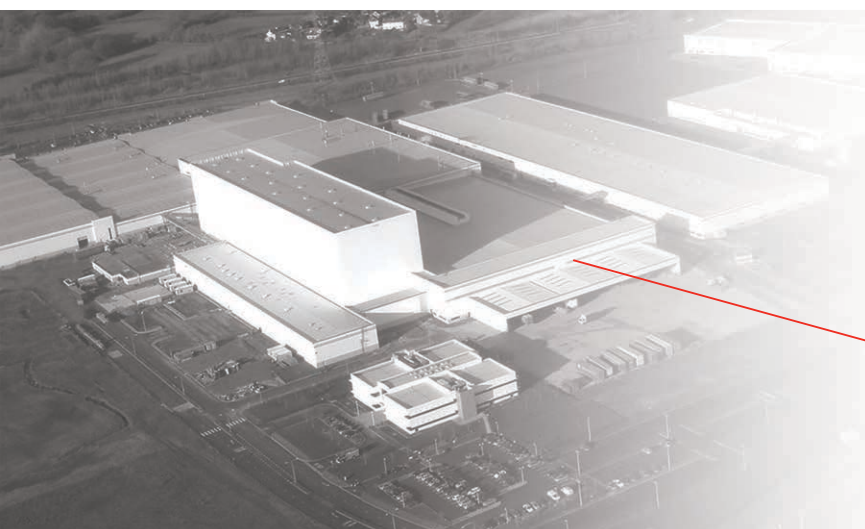


BARLO

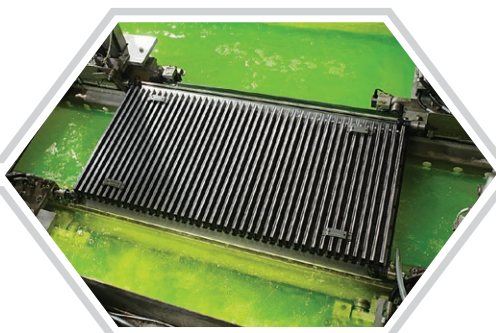
THE QRL RADIATOR GROUP

**FOR MORE THAN 40 YEARS,
QRL RADIATORS HAVE BEEN
THE BEST CHOICE FOR
MILLIONS OF HOMES AND
BUSINESSES ACROSS THE UK
AND IRELAND.**

CHOOSING QRL MEANS CHOOSING QUALITY. INDEED IT'S NO ACCIDENT THAT THE WORLD'S BEST-PERFORMING RADIATORS ARE MADE IN THE UK, IN EUROPE'S MOST ADVANCED RADIATOR MANUFACTURING FACILITY. AT QRL WE'VE INVESTED OVER £150 MILLION TO ENSURE OUR PRODUCTS ARE SECOND TO NONE, BACKED BY WORLD-CLASS TECHNOLOGY AND THE VERY HIGHEST PRODUCTION STANDARDS.

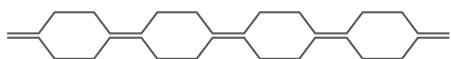


AUTOMATIC TEST TANKS



ROBOTIC ASSEMBLY LINE





COMPACT RANGE



BARLO RADIATORS ARE THE MOST EFFICIENT PANEL RADIATORS AVAILABLE ON THE MARKET TODAY.

EVERY RADIATOR IN THE BARLO COMPACT RANGE IS MANUFACTURED IN THE UK, CONSTRUCTED FROM THE HIGHEST STANDARD 1.2MM THICK COLD-ROLLED STEEL AND PRESSURE TESTED TO 13 BAR. PLUS, EACH RADIATOR IS BACKED BY A MARKET-LEADING 10-YEAR GUARANTEE AND SUPPLIED WITH ALL THE HANGING BRACKETS REQUIRED FOR INSTALLATION.



GREATER
HEAT OUTPUT



LESS WATER
TO HEAT



MANUFACTURED
IN GREAT BRITAIN



143 SIZE
OPTIONS



FASTER
HEAT-UP TIME



LOWER
RUNNING COSTS



SMALLER CARBON
FOOTPRINT



10 YEAR
WARRANTY



Product Range

The Barlo Compact range comprises single, double convector and double panel plus convector radiators in a choice of heights with lengths from 300mm to 2000mm, supplied with factory fitted grilles and side panels.

Finish

Every Barlo Compact radiator undergoes an intensive pre-treatment process to protect against rust. The radiators are then finished with epoxy polyester powder paint (RAL 9016) which may be over painted if required.

Packaging

Every radiator is protected top and bottom over the whole length and height with heavy cardboard box ends and packed in shrink-wrapped polythene.

Connections

Each Barlo Compact radiator is manufactured with 4 x 1/2" BSP TBOE connections.

Testing

All radiators are individually pressure tested to 13 bar and are suitable for a working pressure up to 10 bar.

Brackets

All radiators are supplied with two or more brackets depending on the length.

Bracket Lugs

Two pairs of lugs are fitted on radiators up to and including 1600mm long. A third pair of lugs is fitted centrally on radiators 1800mm long and over.

Tapping-To-Tapping Dimensions

All tapping-to-tapping dimensions may be obtained by subtracting 5mm (1/4") from the nominal radiator length.

Materials

Barlo Compact radiators are manufactured from high quality cold-rolled steel with a nominal thickness of 1.2mm.

Installation

For indirect systems or closed circuits only at a working pressure not exceeding 10 bar.

Outputs

All radiators have been manufactured and tested in accordance with BS EN 442.

Quality

All radiators are manufactured under a BS EN ISO 9001:2008 quality system accepted by BSI.

Warranty

All radiators are supplied under warranty for a period of ten years in respect of defective materials or manufacture.

Water Treatment

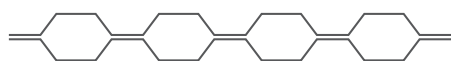
On completion of the installation, it is strongly recommended that the system should be properly flushed and filled in accordance with the British Standard Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems BS 7593. Use of a corrosion-inhibitor is also strongly recommended. Failure to observe this recommendation will invalidate the manufacturer's warranty.

Conditions of Sale

The Barlo standard conditions of sale apply to all transactions. A copy is available on request.

Conversion Information

The outputs quoted in this publication are based on a Delta T of 50°C.



NO.1 FOR EFFICIENCY

We're proud to say that our compact range is the most efficient panel radiator range available today.

By efficient we mean two things:

- 1. The highest heat output (per square metre) on the market**
- 2. Bigger energy savings – and lower operating costs for our customers**

It's all thanks to our unique third-generation technology: developed by QRL to push the boundaries of heating performance.

Radiator performance at a glance

Ultimately, the difference between outdated and modern radiator technology is the way it transfers heat. QRL's third-generation panels have more efficient convection and a lower water content. This means faster heat-up and less water to heat in the first place – resulting in better performance. In technical terms, it all boils down to the radiator's waterway pitch (the distance between its vertical water channels) and the configuration of its convector fins (which transfer heat).

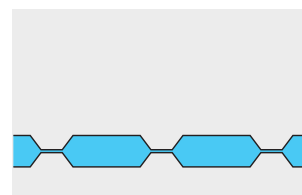
First Generation - 1960s:

Design: 40-54mm pitch, hand-welded connections and no convection fins

Performance: With more water to heat and fewer channels, heat transfer is very poor

Availability: First-generation products are now obsolete

100/4"

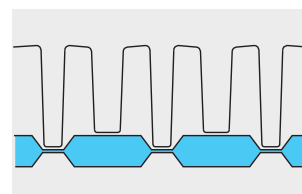


Generation 1a - 1970s:

Design: 40-54mm pitch, 'M'-shaped convection fins and projection back-welded connections

Performance: Improved efficiency, but still very outdated by modern standards

Availability: A handful of manufacturers still make them

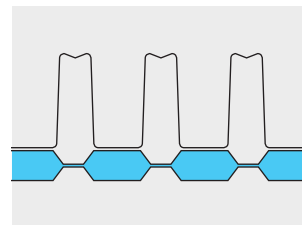


Second Generation - 1980s:

Design: Simple, waterway-welded fins and a reduced 33.3mm pitch

Performance: Enhanced output and efficiency, but far outstripped by QRL's third-generation technology

Availability: Most other manufacturers make second-generation radiators

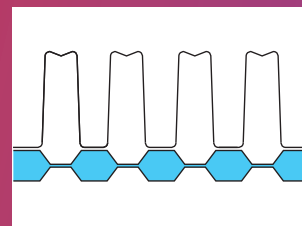


Third Generation - Present:

Design: The most fins, and the smallest waterway pitch (at just 25mm)

Performance: With a lower water content and unrivalled heat transfer, third-generation radiators produce the highest outputs and are the best choice for savings and efficiency.

Availability: Unique to QRL



Say "hello" to the world's only **third-generation radiator**

BARLO - CAN BE SMALLER IN SIZE, BUT ALWAYS BIG ON HEAT OUTPUT

The incredible efficiency of our third-generation technology delivers up to 12% more heat than competitor radiators of the same size making it possible to install a smaller radiator whilst still delivering the required heat output, thus **saving on space and costs**.



**LESS WATER
TO HEAT**



**FASTER
HEAT-UP TIME**



**GREATER
HEAT OUTPUT**



**LOWER
RUNNING COSTS**

BARLO COMPACT RANGE SPECIFICATIONS

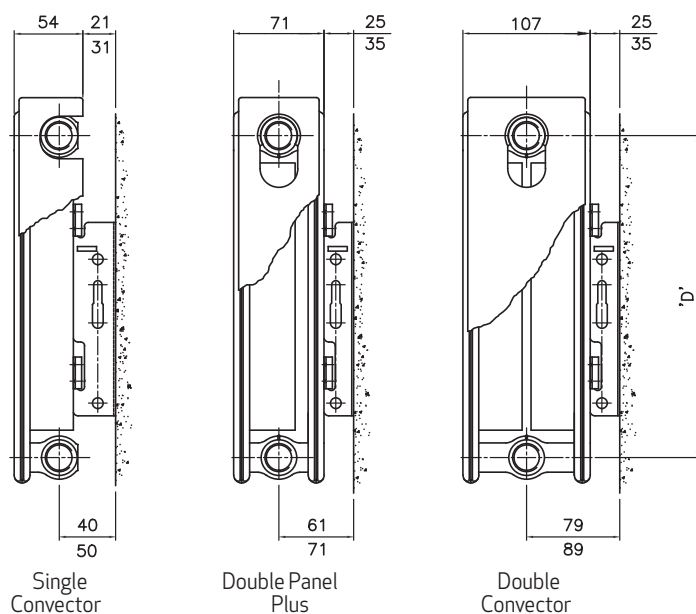
	PRODUCT CODE	HEIGHT (MM)	LENGTH (MM)	BTU/HR ΔT50	WATTS ΔT50	DRY WEIGHT (KG/METRE)*	WATER CONTENT (L/METRE)*	LIST PRICE
Single Convactor	Q11305CB	300	500	956	280	9.50	1.81	£34.41
	Q11310CB	300	1000	1911	560			£55.12
	Q11312CB	300	1200	2294	672			£62.79
	Q11314CB	300	1400	2676	784			£79.47
	Q11316CB	300	1600	3058	896			£104.55
	Q11320CB	300	2000	3823	1120			£129.62
Double Convactor	Q22305CB	300	500	1869	548	18.04	3.50	£65.83
	Q22310CB	300	1000	3737	1095			£109.96
	Q22312CB	300	1200	4485	1314			£125.57
	Q22314CB	300	1400	5232	1533			£158.56
	Q22316CB	300	1600	5980	1752			£191.84
	Q22318CB	300	1800	6727	1971			£225.14
	Q22320CB	300	2000	7474	2190			£258.42
Single Convactor	Q11404CB	400	400	995	292	12.52	2.24	£44.88
	Q11406CB	400	600	1493	437			£39.25
	Q11408CB	400	800	1990	583			£51.32
	Q11410CB	400	1000	2488	729			£60.21
	Q11412CB	400	1200	2986	875			£69.23
	Q11414CB	400	1400	3483	1021			£80.44
	Q11416CB	400	1600	3981	1166			£98.17
	Q11418CB	400	1800	4479	1312			£110.46
	Q11420CB	400	2000	4976	1458			£122.72
Double Panel Plus	Q21406CB	400	600	2132	625	19.92	4.37	£53.55
	Q21408CB	400	800	2842	833			£84.68
	Q21410CB	400	1000	3553	1041			£98.75
	Q21412CB	400	1200	4264	1249			£112.86
	Q21414CB	400	1400	4974	1457			£131.15
Double Convactor	Q22406CB	400	600	2846	834	24.00	4.37	£76.64
	Q22408CB	400	800	3795	1112			£91.81
	Q22410CB	400	1000	4744	1390			£108.87
	Q22412CB	400	1200	5693	1668			£130.66
	Q22414CB	400	1400	6642	1946			£157.01
	Q22416CB	400	1600	7591	2224			£191.64
	Q22418CB	400	1800	8539	2502			£215.59
	Q22420CB	400	2000	9488	2780			£239.54
Single Convactor	Q11504CB	500	400	1208	354	15.54	2.67	£31.57
	Q11505CB	500	500	1510	443			£34.42
	Q11506CB	500	600	1812	531			£40.90
	Q11507CB	500	700	2114	620			£47.25
	Q11508CB	500	800	2416	708			£53.45
	Q11509CB	500	900	2718	797			£60.12
	Q11510CB	500	1000	3021	885			£66.70
	Q11511CB	500	1100	3323	974			£71.84
	Q11512CB	500	1200	3625	1062			£76.93
	Q11513CB	500	1300	3927	1151			£84.65

	PRODUCT CODE	HEIGHT (MM)	LENGTH (MM)	BTU/HR ΔT50	WATTS ΔT50	DRY WEIGHT (KG/METRE)*	WATER CONTENT (L/METRE)*	LIST PRICE
Single Convactor	Q11514CB	500	1400	4229	1239			£92.33
	Q11516CB	500	1600	4833	1416			£112.70
	Q11518CB	500	1800	5437	1593			£126.78
	Q11520CB	500	2000	6041	1770			£141.08
Double Panel Plus	Q21504CB	500	400	1691	496	24.74	5.33	£47.22
	Q21505CB	500	500	2114	620			£55.99
	Q21506CB	500	600	2537	743			£66.68
	Q21507CB	500	700	2960	867			£77.03
	Q21508CB	500	800	3383	991			£87.17
	Q21509CB	500	900	3806	1115			£96.09
	Q21510CB	500	1000	4229	1239			£104.72
	Q21512CB	500	1200	5074	1487			£125.65
	Q21514CB	500	1400	5920	1735			£150.98
	Q21516CB	500	1600	6766	1982			£184.29
	Q21518CB	500	1800	7612	2230			£224.71
	Q21520CB	500	2000	8457	2478			£274.15
Double Convactor	Q22504CB	500	400	2269	665	29.97	5.23	£56.57
	Q22505CB	500	500	2836	831			£67.21
	Q22506CB	500	600	3403	997			£79.87
	Q22507CB	500	700	3971	1163			£91.70
	Q22508CB	500	800	4538	1330			£100.33
	Q22509CB	500	900	5105	1496			£112.88
	Q22510CB	500	1000	5672	1662			£125.42
	Q22511CB	500	1100	6240	1828			£137.94
	Q22512CB	500	1200	6807	1994			£150.51
	Q22513CB	500	1300	7374	2161			£164.05
	Q22514CB	500	1400	7941	2327			£180.86
	Q22516CB	500	1600	9076	2659			£220.74
	Q22518CB	500	1800	10210	2992			£248.33
	Q22520CB	500	2000	11345	3324			£296.02
Single Convactor	Q11603CB	600	300	1056	309	18.56	3.10	£34.17
	Q11604CB	600	400	1408	412			£32.65
	Q11605CB	600	500	1759	516			£38.15
	Q11606CB	600	600	2111	619			£45.32
	Q11607CB	600	700	2463	722			£52.36
	Q11608CB	600	800	2815	825			£59.25
	Q11609CB	600	900	3167	928			£66.66
	Q11610CB	600	1000	3519	1031			£74.02
	Q11611CB	600	1100	3871	1134			£79.83
	Q11612CB	600	1200	4223	1237			£85.61
	Q11613CB	600	1300	4574	1340			£94.57
	Q11614CB	600	1400	4926	1443			£102.33
	Q11615CB	600	1500	5278	1547			£120.94
	Q11616CB	600	1600	5630	1650			£124.89
	Q11618CB	600	1800	6334	1856			£140.51
	Q11620CB	600	2000	7038	2062			£156.13

	PRODUCT CODE	HEIGHT (MM)	LENGTH (MM)	BTU/HR ΔT50	WATTS ΔT50	DRY WEIGHT (KG/METRE)*	WATER CONTENT (L/METRE)*	LIST PRICE
Double Panel Plus	Q21604CB	600	400	1945	570	29.56	6.20	£51.80
	Q21605CB	600	500	2432	713			£61.55
	Q21606CB	600	600	2918	855			£73.16
	Q21607CB	600	700	3404	998			£84.51
	Q21608CB	600	800	3891	1140			£95.63
	Q21609CB	600	900	4377	1283			£106.28
	Q21610CB	600	1000	4864	1425			£114.89
	Q21611CB	600	1100	5350	1568			£126.38
	Q21612CB	600	1200	5836	1710			£137.85
	Q21613CB	600	1300	6323	1853			£150.13
	Q21614CB	600	1400	6809	1995			£165.65
	Q21616CB	600	1600	7782	2280			£202.19
	Q21618CB	600	1800	8754	2565			£240.18
	Q21620CB	600	2000	9727	2850			£285.34
Double Convactor	Q22603CB	600	300	1960	574	35.93	6.10	£49.37
	Q22604CB	600	400	2613	766			£60.23
	Q22605CB	600	500	3266	957			£73.85
	Q22606CB	600	600	3919	1148			£87.75
	Q22607CB	600	700	4573	1340			£101.38
	Q22608CB	600	800	5226	1531			£111.50
	Q22609CB	600	900	5879	1723			£124.02
	Q22610CB	600	1000	6532	1914			£137.80
	Q22611CB	600	1100	7186	2105			£151.60
	Q22612CB	600	1200	7839	2297			£165.36
	Q22613CB	600	1300	8492	2488			£180.23
	Q22614CB	600	1400	9145	2680			£198.70
	Q22615CB	600	1500	9799	2871			£216.59
	Q22616CB	600	1600	10452	3062			£242.52
	Q22618CB	600	1800	11758	3445			£272.84
	Q22620CB	600	2000	13065	3828			£303.16
Single Convactor	Q11703CB	700	300	1194	350	21.58	3.53	£52.05
	Q11704CB	700	400	1592	466			£40.11
	Q11705CB	700	500	1990	583			£49.19
	Q11706CB	700	600	2388	700			£58.45
	Q11707CB	700	700	2786	816			£67.44
	Q11708CB	700	800	3184	933			£72.48
	Q11709CB	700	900	3582	1049			£78.52
	Q11710CB	700	1000	3980	1166			£87.23
	Q11711CB	700	1100	4378	1283			£95.66
	Q11712CB	700	1200	4775	1399			£104.66
	Q11714CB	700	1400	5571	1632			£125.77
Double Convactor	Q22703CB	700	300	2200	645	41.90	7.00	£64.04
	Q22704CB	700	400	2934	860			£76.08
	Q22705CB	700	500	3667	1075			£93.29
	Q22706CB	700	600	4401	1289			£107.83
	Q22707CB	700	700	5134	1504			£122.53
	Q22708CB	700	800	5868	1719			£138.64
	Q22709CB	700	900	6601	1934			£155.96
	Q22710CB	700	1000	7335	2149			£165.42
	Q22711CB	700	1100	8068	2364			£181.94
	Q22712CB	700	1200	8801	2579			£198.50
	Q22714CB	700	1400	10268	3009			£238.53

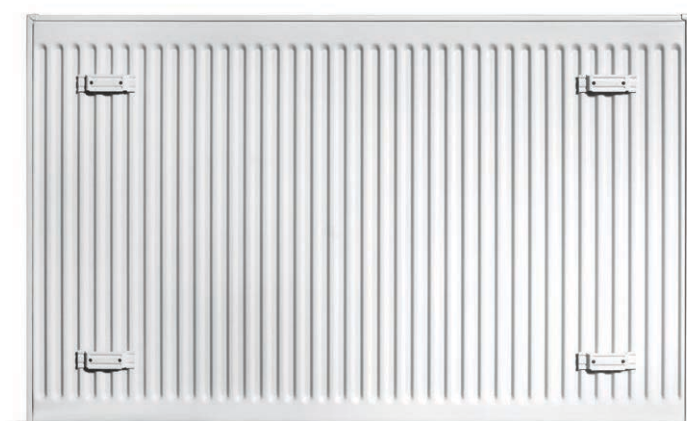
All prices exclude VAT.

MOUNTING DETAILS

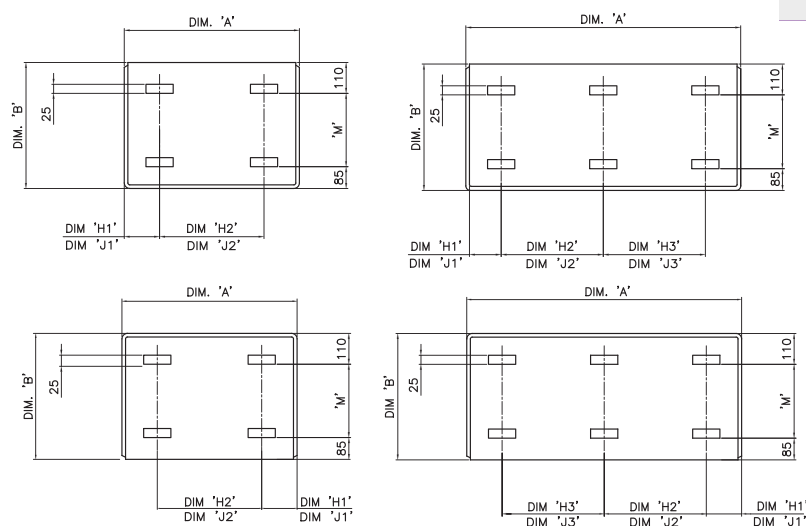


Wall Bracket and Lug Locations

	LENGTH	A	J1	J2	J3
Single Convector	300	295	85	125	
	400	395	135	125	
	500	495	160	175	
	600	595	160	275	
	700	695	160	375	
	800	795	160	475	
	900	895	160	575	
	1000	995	160	675	
	1100	1095	160	775	
	1200	1195	160	875	
	1400	1395	160	1075	
	1600	1595	160	1275	
	1800	1795	160	750	725
	2000	1995	160	850	825



	LENGTH	A	H1	H2	H3
Double Convector Double Panel Plus	300	295	72	150	
	400	395	122	150	
	500	495	122	250	
	600	595	122	350	
	700	695	122	450	
	800	795	122	550	
	900	895	122	650	
	1000	995	122	750	
	1100	1095	122	850	
	1200	1195	122	950	
	1400	1395	122	1150	
	1600	1595	122	1350	
	1800	1795	122	775	775
	2000	1995	122	875	875



	HEIGHT	D	M
Single Convector Double Convector Double Panel Plus	300	253	105
	400	353	205
	500	453	305
	600	553	405
	700	653	505



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