

Die Cast Aluminium Radiators

AEL faral alliance 95

Original FARAL Aluminium Radiators, always appreciated often imitated since 1966

The flat fronted FARAL Alliance die cast aluminium radiator is a strong but elegant style of radiator suitable for either traditional or contemporary properties it will also provide the highest heat output you can achieve as it is one of the most energy efficient low water content Aluminium radiators available.

The Faral Alliance Aluminium radiators are a sophisticated style of radiator which are very light in weight and provide easy handling and installation, each section of the Faral Alliance radiator has width of 80mm and a depth of 95mm.

Taking care of the environment is important to Faral, each radiator goes through a double painted process which is finally heat sealed in a stove at 180°C to provide a strong impact resistant finish, the paints used during production on the FARAL radiators are certified as harmless and are below the limits according to EN71-3 standard used for childrens toys.



- The maximum operating pressure is 1000kpa (10bar)
- Available in five heights
- Thermal outputs verified & tested to the European EN442 standards
- 10 Year manufacturers warranty
- Standard colour RAL9010
- Ideal for low temperature geothermal and solar systems.
- Suitable for all heating boilers including condensing

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The White TA8W15 thermostatic valve set, see our comprehensive valve range catalogue.



Technical Data

Model ALLIANCE 95	Depth mm	Height mm	Centres mm	Length mm	Connection diameter inches	Water content lt/section	weight kg/section	Heat output EN442 $\Delta T = 50K$ watt/element	EN442 $\Delta T = 30K$ watt/element	Exponent n
FA95-880	95	880	800	80	1/2" or 3/4"	.6	2.11	184	91.3	1,3647
FA95-780	95	780	700	80	1/2" or 3/4"	.45	2.02	166	82.6	1,3576
FA95-680	95	680	600	80	1/2" or 3/4"	.41	1.74	148	73.9	1,3388
FA95-580	95	580	500	80	1/2" or 3/4"	.35	1.56	130	65.1	1,3349
FA95-430	95	430	350	80	1/2" or 3/4"	.44	1.12	92.7	47.6	1,3162

Tables for calculation of thermal output

Alliance 95 880

ΔT	0	1	2	3	4	5	6	7	8	9
20	52.5	56.1	59.8	63.5	67.3	71.2	75.1	79.1	83.1	87.2
30	91.3	95.5	99.7	104	108	113	117	122	126	131
40	135	140	145	149	154	159	164	169	174	179
50	184	189	194	199	204	209	214	219	225	230
60	235	241	246	252	257	263	268	274	279	285
70	291	296	302	308	314	319	325	331	337	343

Alliance 95 780

ΔT	0	1	2	3	4	5	6	7	8	9
20	47.6	50.8	54.2	57.5	61.0	64.5	68.0	71.6	75.2	78.9
30	82.6	88.4	90.2	94.1	98.0	102	106	110	114	118
40	122	127	131	135	139	144	148	152	157	161
50	166	170	175	180	184	189	193	198	203	208
60	213	217	222	227	232	237	242	247	252	257
70	262	267	273	278	283	288	293	299	304	309

Alliance 95 680

ΔT	0	1	2	3	4	5	6	7	8	9
20	42.6	45.5	48.5	51.5	54.6	57.7	60.8	64	67.3	70.6
30	73.9	77.3	80.7	84.1	87.6	91.1	94.7	98.3	102	106
40	109	113	117	121	124	128	132	136	140	144
50	148	152	156	160	164	168	173	177	181	185
60	190	194	198	203	207	211	216	220	225	229
70	234	238	243	248	252	257	262	266	271	276

Alliance 95 580

ΔT	0	1	2	3	4	5	6	7	8	9
20	37.5	40.1	42.7	45.4	48.1	50.8	53.6	56.4	59.2	62.1
30	65.1	68.0	71.0	74.0	77.1	80.2	83.3	86.5	89.6	92.9
40	96.1	99.4	103	106	109	113	116	120	123	127
50	130	134	137	141	144	148	152	155	159	163
60	167	170	174	178	182	186	189	193	197	201
70	205	209	213	217	221	225	229	234	238	242

Alliance 95 430

ΔT	0	1	2	3	4	5	6	7	8	9
20	28.0	29.8	31.7	33.6	35.5	37.5	39.5	41.4	43.5	45.5
30	47.6	49.6	51.7	53.9	56.0	58.2	60.4	62.6	64.8	67.0
40	69.3	71.5	73.6	76.1	78.4	80.8	83.1	85.5	87.9	90.3
50	92.7	95.1	97.6	100	103	105	107	110	113	115
60	118	120	123	125	128	131	133	136	139	141
70	144	147	149	152	155	157	160	163	166	169

Radiator Lengths

FARAL radiators are supplied in a maximum length of 15 pre joined sections for ease of transport, each 15 section radiator can quickly have other radiators joined to it on site with two nipples and a joining key, a joining key will pass through an 8 section radiator so for example a 31 section radiator could be supplied as a 15 section with two 8 section radiators.

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European Standard EN442 was brought into force to define "heat measurement sampling" for hot water radiators in all European countries, a positive step forward to ensuring radiators tested and approved will provide the stated heat output required and also give a guarantee that the product will be fit for purpose. EN442 provides a guarantee that the stated output of radiators from reputable manufacturers is correct and highlights and deters the use of poor quality untested radiators in European installations.

Plate Heat Exchanger Packages	Gas fired Condensing Boilers	Cast Iron Sectional Boilers	High Output Aluminium Radiators	Tubular Steel Radiators	Designer Bathroom Radiators	Corgi Approved Engineers
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