



**KILNS &
FURNACES**

www.kilns.co.uk

FRONT LOADING ELECTRIC KILNS

FALCON RANGE



FL3.190

Maximum Design Temperature

- FL Range 1300°C / FS Range 1350°C

Chamber Capacities

- 29 variations available - 50 to 1250 litres
(1.8 to 45.5 cu. ft)

STANDARD FEATURES ON ALL MODELS

- Over temperature kiln lining protection.
- UK Compliant electro-mechanical captive key door interlock.
- Instrument socket to accept all controllers from our standard range.
- Manual Temperature controlled top vent / damper
- Highly thermally efficient construction
- Conservatively rated spiral wound elements.
- Efficient, Graded low thermal mass chamber lining and secondary insulation.
- Electrostatic powder coated cabinets.
- Powder fused to metal by curing at high temp.

ADDITIONAL STANDARD FEATURES - Falcon Kilns 680 / 850 / 1000 / 1250

- Additional elements to the backwall and door giving all round heat radiation.
- Elements Designed and configured into 2 zones to give an even heat distribution.
- Automatic temperature controlled top ventilation / cooling damper (OR manual if required).
- TCS2 Series programme controllers available to control all functions of the firing cycle.

OPTIONAL EQUIPMENT / SERVICE

- Temperature controlled automatic top ventilation / cooling damper / up to FL / FS models
- Heatlock - all models.
- Kiln Furniture - Standard Sets (See next page)
- Kiln Protection Cages.
- Kiln Extract Canopy System.
- Installation Service.
- Full Export packing & Shipping Services.
- Service Contracts.
- Full Spares Service.
- Castor Wheels
- Can be supplied in a colour of your choice.



FL 680

Kilns & Furnaces Ltd
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FALCON RANGE - KILN DETAILS

Type	Capacity	Firing Chamber			Overall Dimensions			Weight	Power	Supply	
	Litres / Cu ft	Width (mm/In)	Depth (mm/In)	Height (mm/In)	Width (mm/In)	Depth (mm/In)	Height (mm/In)	KG / LBS	KW	220v / 230v	380v / 400v
FL3.1.50	53 / 1.87	380 / 15	300 / 12	460 / 18	636 / 25.25	864 / 34	1245 / 49	177 / 391	4.50	25A	-
FL3.1.65	66 / 2.34	380 / 15	380 / 15	460 / 18	636 / 25.25	864 / 34	1245 / 49	178 / 393	4.80	25A	16A
FL3.1.80	79 / 2.81	380 / 15	460 / 18	460 / 18	636 / 25.25	864 / 34	1245 / 49	185 / 408	6.38	40A	16A
FL3.120	122 / 4.31	460 / 18	460 / 18	580 / 23	715 / 28.25	1016 / 40	1372 / 54	245 / 541	8.50	40A	20A
FL3.160	163 / 5.75	460 / 18	610 / 24	580 / 23	715 / 28.25	1016 / 40	1372 / 54	245 / 541	9.78	50A	20A
FL3.171	171 / 6.1	460 / 18	550 / 22	680 / 27	715 / 28.25	1016 / 40	1372 / 54	230 / 391	10.00	50A	25A
FL3.190	191 / 6.75	460 / 18	610 / 24	680 / 27	715 / 28.25	1016 / 40	1372 / 54	245 / 541	11.38	63A	25A
FL3.215	215 / 7.5	460 / 18	510 / 20	910 / 36	715 / 28.25	1016 / 40	1600 / 63	306 / 675	12.75	63A	25A
FL3.250	256 / 9.00	460 / 18	610 / 24	910 / 36	715 / 28.25	1016 / 40	1600 / 63	310 / 684	14.23	80A	32A
FL3.230	226 / 8.00	610 / 24	610 / 24	610 / 24	965 / 38	1066 / 42	1346 / 53	310 / 684	12.75	63A	25A
FL.280	283 / 10.00	610 / 24	610 / 24	760 / 30	965 / 38	1066 / 42	1500 / 59	456 / 1006	15.75	80A	32A
FL.340	340 / 12.00	610 / 24	610 / 24	910 / 36	965 / 38	1193 / 47	1676 / 66	495 / 1092	18.00	-	32A
FL.350	354 / 12.50	610 / 24	760 / 30	760 / 30	965 / 38	1193 / 47	1500 / 59	480 / 1059	18.50	-	32A
FL.420	424 / 16.00	610 / 24	760 / 30	910 / 36	965 / 38	1193 / 47	1676 / 66	535 / 1180	22.00	-	40A
FL.500	510 / 18.00	610 / 24	910 / 36	910 / 36	965 / 38	1346 / 53	1676 / 66	590 / 1301	24.50	-	40A
FL.680	680 / 24.00	610 / 24	910 / 36	1220 / 48	965 / 38	1346 / 53	1981 / 78	900 / 1985	32.00	-	50A
FL.850	850 / 30.00	762 / 30	910 / 36	1220 / 48	1118 / 44	1346 / 53	1981 / 78	975 / 2149	38.00	-	63A
FL.1000	1000 / 35.00	800 / 31.5	1000 / 39.25	1250 / 49.25	1150 / 45.25	1473 / 58	2032 / 80	1100 / 2426	45.00	-	80A
FL.1250	1250 / 45.50	1000 / 39.25	1000 / 39.25	1250 / 49.25	1350 / 53.15	1510 / 59.45	2032 / 80	1500 / 3307	55.00	-	100A

KILN FURNITURE SETS (OPTIONAL)

Type	Shelves	Batts	Batt Dimensions			Prop Size & Quantity Per Set				
		Per Set	Width (mm/In)	Depth (mm/In)	Thickness (mm/In)	25 mm / 1 In	38 mm / 1.5 In	100 mm / 4 In	152 mm / 6 In	203 mm / 8 In
FL3.1.50	3	3	330 / 13	254 / 10	19 / 0.75	15	15	-	-	-
FL3.1.65	3	3	330 / 13	330 / 13	19 / 0.75	15	15	-	-	-
FL3.1.80	3	3	330 / 13	406 / 16	19 / 0.75	15	15	-	-	-
FL3.120	4	4	406 / 16	406 / 16	19 / 0.75	24	24	-	-	-
FL3.171	4	8	406 / 16	240 / 9	19 / 0.75	24	24	-	-	-
FL.160 / FL.190	4	8	406 / 16	280 / 11	19 / 0.75	24	24	-	-	-
FL3.215	5	10	406 / 16	229 / 9	19 / 0.75	30	30	-	-	-
FL3.250	6	12	406 / 16	280 / 11	19 / 0.75	36	36	-	-	-
FL3.230	4	8	560 / 22	280 / 11	19 / 0.75	-	12	12	12	-
FL.280 / FL.340	5	10	560 / 22	280 / 11	19 / 0.75	-	12	12	10	5
FL.350 / FL.420	5	20	280 / 11	360 / 14	19 / 0.75	-	20	20	12	8
FL.500	5	20	280 / 11	430 / 17	19 / 0.75	-	20	20	12	8
FL.680	7	28	280 / 11	430 / 17	19 / 0.75	-	24	24	16	10
FL.850	7	28	335 / 13	430 / 17	19 / 0.75	-	24	24	16	10
FL.1000	8	32	370 / 14.75	475 / 18.75	19 / 0.75	-	28	28	21	14
FL.1250	8	32	475 / 18.75	457 / 18.75	19 / 0.75	-	28	28	21	14

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