

# Laboratory Kilns

The Falcon range of electrically operated Front Loading style kilns is reliable in performance and efficient in terms of power-input requirements and energy saving capabilities.

## Standard features on all models:

- Chamber capacities from 50 to 1250 litres (1.8 to 45.5 cu ft)
- Maximum design temperature 1,300° C (FL range) or 1,350° C (FS range)
- Front loading for ease of placing ware
- Highly thermally efficient construction
- Over temperature kiln lining protection
- Spiral wound Heating Elements using High Grade Kanthal wire
- Electromechanical door safety interlock
- Sturdy pressed steel cabinet
- Low thermal heat storage to the chamber lining

## Additional standard features on 680, 1000 and 1250 litre

### Models:

- Additional elements to rear wall and door giving all round heat radiation
- Two zone temperature control for excellent temperature distribution
- Automatic exhaust / cooling damper
- Fully programmable Temperature Controller TCS2 controlling

### Optional Equipment:

- Kiln furniture sets can be supplied as standard sets, or as specialist sets to the customer's requirement.
- Choice of digital control system
- Castor wheels for ease of maintenance
- Specialist element design for decoration firing below 1050° C



**Falcon 190**

Type	Capacity (litres/cu.ft)	Firing chamber W x D x H mm	Overall Dimensions W x D x H mm	Weight	Power (kW)	Supply 220V/230V	380/400V
FL3.1.50	53/1.87	380 x 300 x 460	636 x 864 x 1245	177/391	4.50	25A	-
FL3.1.65	66/2.34	380 x 380 x 460	636 x 864 x 1245	178/393	4.80	25A	16A
FL3.1.80	79/2.81	380 x 460 x 460	636 x 864 x 1245	245/541	8.50	40A	20A
FL3.120	122/4.31	460 x 460 x 580	715 x 1016 x 1372	245/541	8.50	40A	20A
FL3.160	163/5.75	460 x 610 x 580	715 x 1016 x 1372	245/541	9.78	50A	20A
FL.171	171/6.1	460 x 550 x 680	715 x 1016 x 1372	230/506	10.00	50A	25A
FL3.190	191/6.75	460 x 610 x 680	715 x 1016 x 1372	245/541	11.38	63A	25A
FL3.215	215/7.50	460 x 510 x 910	715 x 1016 x 1600	306/675	12.75	63A	25A
FL3.250	256/9.00	460 x 610 x 910	715 x 1016 x 1600	310/684	14.23	80A	32A
FL3.230	226/8.00	610 x 610 x 610	965 x 1066 x 1346	310/684	12.75	63A	25A
FL.280	283/10.00	610 x 610 x 760	965 x 1066 x 1500	456/1006	15.75	80A	32A
FL.340	340/12.00	610 x 610 x 910	965 x 1193 x 1676	495/1092	18.00	-	32A
FL.350	354/12.50	610 x 760 x 760	965 x 1193 x 1500	480/1059	18.50	-	32A
FL.420	424/16.00	610 x 760 x 910	965 x 1193 x 1676	535/1180	22.00	-	40A
FL.500	510/18.00	610 x 910 x 910	965 x 1346 x 1676	590/1301	24.50	-	40A
FL.680	680/24.00	610 x 910 x 1220	965 x 1346 x 1981	900/1985	32.00	-	50A
FL.850	850/30.00	762 x 910 x 1220	1118 x 1346 x 1981	975/2148	38.00	-	63A
FL.1000	1000/35.00	800 x 1000 x 1250	1150 x 1473 x 2032	1100/2426	45.00	-	80A
FL.1250	1250/45.50	1000 x 1000 x 1250	1350 x 1510 x 2032	1500/3307	55.00	-	100A

## Falcon Easi-Load Range

The Falcon Easi-Load range of kilns has been developed from the standard models, with a roll-out hearth for easy loading / unloading of the chambers. Large sculptural or large hollowware pieces can be easily loaded/unloaded without reaching into the firing chamber.

### Standard features on all models:

Chamber capacities from 190 to 1000 litres (6.7 to 35.3 ft<sup>3</sup>)

Falcon "Easi-Load Silver" for firing to 1,300°C

Falcon "Easi-Load Gold" for firing to 1,350°C

Choice of plug in temperature controllers from the Microtech range of Microprocessor Temperature Controllers.

Over temperature protection

Spiral wound Heating Elements using High Grade Kanthal wire

Electromechanical door safety interlock

Sturdy pressed steel cabinet

Four doors clamps for positive door sealing

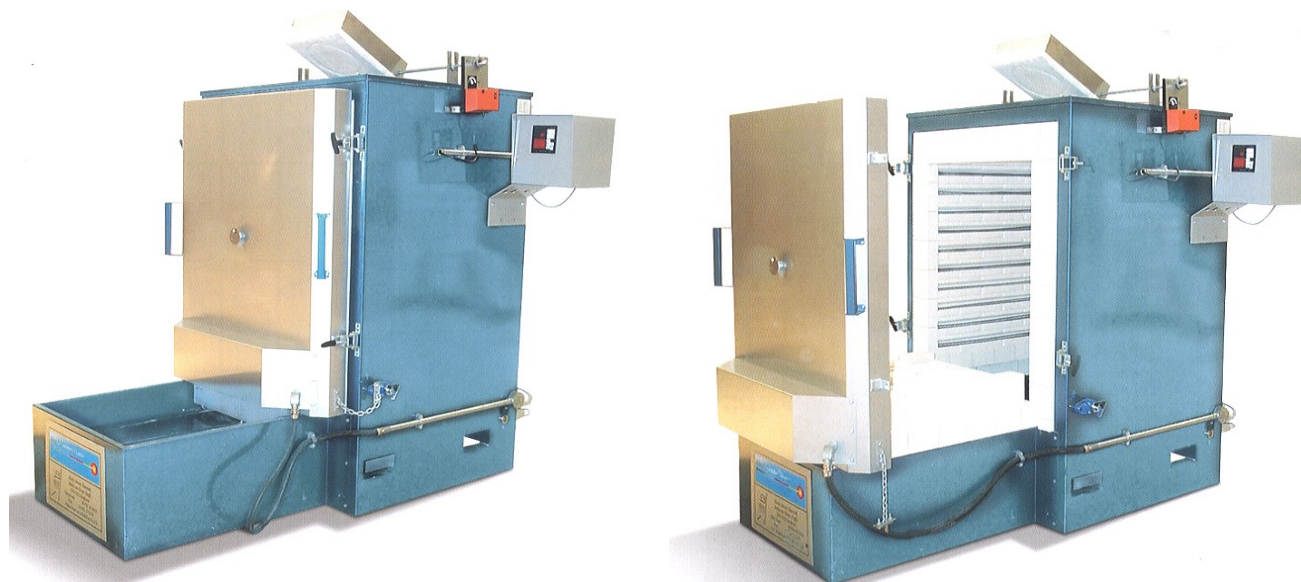
High gloss enamel finish

### Optional Extras:

Choice of digital control system

Kiln furniture sets

Automatic Temperature controlled top ventilation/cooling damper



Type	Capacity (litres/cu.ft)	Firing chamber W x D x H mm	Overall Dimensions W x D x H mm	Power (kW)	Supply 220V/230V	Supply 380/415V
SEL 120 GEL 120	122/4.31	460 x 460 x 580	715 x 1570 x 1375	8.50/10.5	50/63A	25/25A
SEL 160 GEL 160	163/5.75	460 x 610 x 580	715 x 1710 x 1375	9.78/12	63/80A	25/32A
SEL 120 GEL 190	191/6.75	460 x 610 x 680	715 x 1710 x 1450	11.38/13.5	63/80A	25/32A
SEL 120 GEL 230	226/8.00	610 x 610 x 610	1100 x 2100 x 1550	12.75/15	80/80A	32/32A
SEL 120 GEL 250	256/9.00	460 x 610 x 910	715 x 1710 x 1680	14.23/16.5	80/80A	32/32A
SEL 120 GEL 280	283/10.00	610 x 610 x 760	1100 x 2100 x 1550	15.75/17.25	80A/-	32/40A
SEL 120 GEL 340	340/12.00	610 x 610 x 910	1100 x 2100 x 1700	18.00/20	-	40/40A
SEL 120 GEL 420	424/16.00	610 x 760 x 910	1100 x 2300 x 1700	22.00/24	-	40/50A
SEL 120 GEL 500	510/18.00	610 x 910 x 910	1100 x 2410 x 1750	24.50/26.5	-	50/63A
SEL 120 GEL 680	680/24.00	610 x 1220 x 910	1250 x 3600 x 1750	32.00/36	-	63/80A
SEL 120 GEL 840	848/32.00	610 x 1524 x 910	1250 x 3900 x 1750	48.00/50	-	100/100A
SEL 120 GEL 1000	1020/36.00	610 x 1830 x 910	1300 x 4200 x 1750	56.00/58	-	125/125A
SEL 120 GEL 350	354/12.5	610 x 760 x 760	1100 x 2300 x 1550	18.5/20	-	40/40A