



## PRO SERIES ELECTRIC HIGH FIRE KILNS MODELS FOR USE UP TO 1350°C

Rugged, extra heavy duty design for trouble free use by schools, research and industry when dependable precision is required. Proven applications are traditional ceramics, technical ceramics, aerospace components, glass, metals, and a wide range of other materials requiring uniform and reliable high temperature processing.

PRO Kilns are built to last a lifetime, a wise and economical choice, they are available in a range of standard sizes from 28 to 1020 liters. Various optional features include fan cooling and air preheating to add de-binding and sintering capability.



### Standard Features: 1270°C, 1350°C and 1400°C Models

- Heavy duty steel shell welded and reinforced with structural steel to form a strong integral unit attractively finished with heat resistant enamel paint.
- Heat seal door construction with door jambs and hinges fabricated of steel plate with two heavy duty door clamps, bolt hinges and peep sight with cover.
- Durable, energy efficient multilayer interior lining consisting of amply rated insulating firebrick hot-face backed up with extra thick low heat loss ceramic insulation.
- Long life heating element coils made with high quality metallic alloy wire arranged in flared-slot holders on all sides and the door for uniform heat distribution.
- Temperature control is microprocessor programmable with SCR power regulation to precisely control heat-up rate and set point.
- Type K duplex thermocouple provided for operational control and over-temperature limit safety shut-down.
- Electrical components are UL/FM listed and include a main control panel safety circuit breaker. The entire system meets applicable NFPA, NEC and CE directives and is completely wired ready for operation after connection to required electrical service. An instruction manual is supplied.



## Optional Features

- Variable air flow rate fans to automatically program control pre-selected binder burnout and cooling rate gradients.
- Multiple zone SCR temperature control including control of individual heating elements.
- Custom sizes, temperature ratings, exhaust systems, HMI PC process controls.

## Specifications

UNIQUE/PERENY		PRO Series Kilns		(1270°C / 2350°F)	
Model No.	Volume Liters	Chamber Size W x D x H	Overall Size W x D x H	Electrical Volts-Ph/Kw	Weight Kg
PRO-1212	28	305x305x305mm	711x686x737mm	240-1/5.3	80
PRO-1717	85	432x432x432mm	890x864x1500mm	240-1/8.8	160
PRO-2020	127	508x508x508mm	990x864x1753mm	240-1/13.2	270
PRO-2424	227	610x610x610mm	1092x1041x1753mm	240-1/22.0	360
PRO-2430	283	610x610x762mm	1092x1041x1753mm	240-1/26.4	405
PRO-2436	340	610x610x915mm	1092x1041x1753mm	240-1/30.8	450
PRO-2836	453	711x711x915mm	1092x1194x1753mm	240-1/39.6	590
PRO-3636	566	915x711x915mm	1397x1194x1753mm	240-3/44.0	725
PRO-3642	680	915x711x1067mm	1397x1194x1905mm	240-3/50.0	1000
PRO-3648	1020	915x915x1220mm	1397x1397x1905mm	240-3/54.0	1100

\*Specifications are approximate and subject to change without notice.



High Quality, Rugged Construction



High Function, Simple Operation



Uniform Thermal Processing