The C500P is a random load animal cremation system with many desirable features that enhance operational efficiencies as well as operator convenience and safety. The preferred model in which to perform individual cremations, the C500P is capable of accepting an initial load of 200 pounds and will process it at a rate of 75 lbs/hr. The random load feature of the C500P provides you with the flexibility to perform various types of cremations without the delays associated with machines that must cool-down, or complete a burn cycle before the chamber may be accessed. Its multi-chambered design helps to assure smokeless/oderless operation and compliance with environmental regulations. Our hot hearth feature provides for quick and thorough burn-down as well as superior fluid control. The C500P is ideally suited to perform individual cremations, and yet has enough capacity to also provide semi-private and communal cremations as well. This model is typically used by facilities that expect to perform approximately 2,500 cremations per year, or have the need to process up to 600 pounds in an eight hour day.

- Easy to Use “Push Button” Operation
- Performs Both Private and Communal Cremations
- Safe, Dependable Operation
- No “Cool Down” Required Between Cremations
- Convenient Cremains Retrieval System
- Extremely Efficient and Economical Operation
- Durable Construction, Reliable Performance, Low Maintenance
CRAWFORD MODEL C500P SPECIFICATIONS

Capacity ratings: 75 lb/hr. for type 4, pathological waste
Recommended maximum initial charge: 200 lbs

Overall dimensions: 11'-6" L x 3'-8" W* x 7'-11" H *(5'-1" W, w/ touch screen panel)

Approx. system weight: 10,000 lbs.

Required fuel [NG/LPG]:
Main Line - 1,500,000 BTU/hr @ 11-14" w.c. @ 1.5" header
Pilot Line - 150,000 BTU/hr @ 5 psi, max. @ 3/8" regulator

[tight oil fired optional]

Required electrical supply: 230 Volt, Single Phase, 60 Hz, 40 Amp @ single point connection
(Three Phase 230/460 Volt, 60 or 50 Hz & alt. voltage available)

Primary chamber volume: Primary - 26.25 cu. ft.

Hearth Area: 12.1 sq. ft. (60"L x 29"W)

Secondary chamber volume: 26.58 cu. ft. (provides in excess of one second retention time)

Primary burner capacity: 500,000 BTU/hr. (hi/lo modulated control)

Secondary burner capacity: 1,000,000 BTU/hr. (fully modulated control)

Combustion air fan: 900 scfm, 3 hp, 230 Volt, Single Phase, 60 Hz std.
(Three phase, optional)

Charging door: 29"W x 25"H - electric-hydraulic powered

Hydraulic power unit: 1.5 hp, 230 Volt, Single Phase, 4.4 gpm, 500 psi, 3/4 gal. res.

Steel construction: Heavy channel steel skid base, with angle, square tube, and plate steel structure, with sheet steel used for inner and outer casings

Refractory & insulation:
Hearth: 7" to 13" 3000°F abrasion resistant cast refractory
Side walls: 4.5" thick 2700°F dense fire brick
4.5" thick 2600°F insulating fire brick
1.25" 1900°F insulation backing

PCC roof: 6" 2800°F cast refractory with 2" 2400°F insulation cap
SCC floor: 5" 3000°F thick dense-insulating cast refractory

Stack: 20"od x 48"L sections (2 sections standard)
10 gauge steel shell with 2" 2400°F high-temperature refractory lining approx. weight - 91 lb/ft.

Draft control: via “Induce-a-Cool” w/ temperature reduction to 875°F

Controls (PLC based with):
Touch screen operator interface
Primary & secondary chamber temperature control
Temperature actuated fuel and air control
Burner interface, status and reset access**
System status and alarm display
Opacity alarm system with control intervention
** Discrete, UL, CSA, FM & IRI burner monitoring / control
w/ U.V. flame supervision provided for each burner