

Newbourne Incinerators

Over 10 years experience in incinerator manufacturing

215mm total refractory insulated wall thickness

Huge fuel savings over other incinerators

10mm steel construction

Electric winch to raise top opening lid

Easy to use touch screen
control panel with data logging

All models comply with EU ABPR
regulation (EC) No. 1069/2009



Newbourne Incinerators can be used for incinerating sheep, pigs, poultry, fish or anywhere that requires animal carcasses or parts of animal carcasses incinerated

3 Incinerators in Range



NB50-50 0.5 cubic metre capacity suitable for small sheep, free range poultry units, pet cremation.

NB100-50 1 cubic metre capacity for incinerating larger sheep, broiler units, pet cremation and pig fattening units

NB150-50 1.5 cubic metre capacity for large sows, large broiler units and pet cremation.

Other sizes can be built for all requirements.

Newbourne Incinerators can be used for incinerating sheep, pigs, poultry, fish or anywhere that needs animal carcasses or parts of animal carcasses incinerated. Incinerators can be built for pet cremation, butchers or fish farms.

All **Newbourne Incinerators** comply with Government & EU ABPR(EC) No 1069/2009 rulings as they all burn up to 50 kilos per hour, making them low capacity and in most cases do not need planning permission. The after burner reaches a temperature of 850°C before the main chamber fires and then retains the emissions for approximately 2.1 seconds burning them off leaving clean hot air.

The main chamber of the Incinerator is constructed using 10mm steel plate opposed to 5mm as other manufacturers use. This may cost a little more but puts more strength into the machine and prolongs the life.

The walls are insulated with calcium silicate boards together with a ceramic thermal blanket and castable refractory lining. A hot face 1600°C lining makes a total of 215mm complete wall thickness. The heat is retained inside the chamber to burn the carcass giving a saving of up to 2-4 litres per hour over other well-known incinerators, a huge saving at today's fuel prices. This can equate to a saving of around £30.00 per tonne incinerated.

Because the heat is retained inside and does not affect the outer steel casing, we are able to give the machine a high quality powder coat finish, giving protection from the elements. Some other incinerators use only 75mm walls, losing heat and using more fuel, costing more to operate.

A touch screen control panel makes for easy use. After setting the temperature for the main chamber (the after chamber is factory set) the hours are set and start is pressed. Everything after this is automatic. This control panel also incorporates a data logging feature which allows the automatic temperature recording of every tenth burn at two hour periods as per DEFRA requirements, it also allows the operator to retrieve the last 4 recordings.

The after chamber lights and quickly rises to 850°C, once there the main chamber lights and heats the chamber burning the carcasses. Once the carcass is alight the fats and oils self-combust and take over as a fuel, the burners will cut out and not relight again until the temperature drops to a pre-set figure. It will then automatically relight to bring the temperature back up, this is called pulse burning, which greatly increases fuel efficiency.

There is the facility for the temperature to be boosted to a high degree, during the last stage of the burn, allowing a cleaner white ash to be achieved.

The fan will keep running during the last cycle cooling the incinerator until the temperature drops to a pre-set 50-degree °C and then cuts out. This not only cools the machine for emptying but prevents the danger of thermal shock to the refractory lining of the machine.

The lids of all **Newbourne Incinerators** are raised and lowered by an electric winch that is controlled by a 2-way switch on the control panel. The lid itself is domed so that water cannot settle on the top when closed to prevent rust inhibition and also prevents water running onto the operator as would happen on a counter balanced lid.



Standard Specifications

Time to temperature in machines is approximately 15 to 20 minutes.
Fuel consumption is approximately 4 to 5 litres per hour.
Newbourne will service or repair any make of animal carcase incinerator

Capacities:

NB50-50 0.5 cubic metres (approximately 300kg capacity)

NB100-50 1 cubic metre (approximately 500kg capacity)

BN150-50 1.5 cubic metres (approximately 750kg capacity)



Newbourne Incinerators manufacture bespoke incinerators for your needs. Please contact us for details



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