Optimum Designing

Energy Efficiency

Flawless Quality Control

Efficient Customer Service

ACS LEAD TECH

Experts in Environmentally Sound Technologies for

Environmentally Sound Technologies for Lead Acid Battery Recycling Battery Crushing & Separation Systems / Ingot Casting Machines Litharge / Red Lead Furnaces · Lead Oxide Ball Mills · Barton Pot Systems Lead Based PVC Stabilizers · Pollution / Environment Control Equipment

Red Lead Furnace

OPERATION

Red Lead Furnace is a refractory lined oven. It is a batch process. The Lead oxide is heated and maintained at 450-500 deg Celsius till the conversion from PbO to Pb3O4 is complete. Ideally this conversion takes 20 -24 hrs.

The production rate depends on the free lead in the input lead oxide. Lower the free lead in input oxide, faster will be the Red Lead Batches.

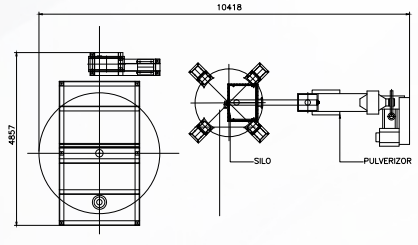
Gas or Oil fired burner is used to maintain the temperature of the Furnace. Thermocouples record the temperature inside the furnace , thus putting off the burners when not needed and hence saving energy.

The furnace is kept in negative pressure and the combustion air of the burner is filtered and left in to the atmosphere.

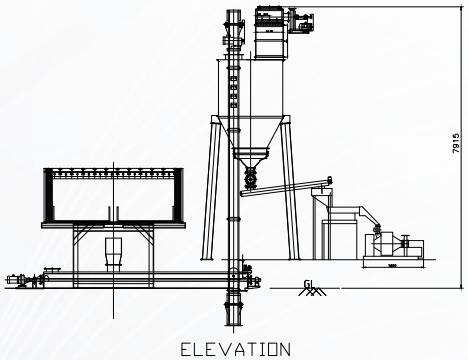
The furnace is fed by a screw conveyor from Load cell mounted Silo . The silo uses vibrators to feed the oxide to the conveyor.

OTHER FEATURES

Fully Automatic with PLC based Control system
Totally enclosed system
Touch Screen Based Interface
One Button Start / Stop



PLAN
RED LEAD FURNACE



ELEVATION
RED LEAD FURNACE

Production Rate :

Model	Capacity	% of Red Lead
ACS / RLD / 2T	2000 Kg/ (18-24 Hrs)	80 - 87
ACS / RLD / 4T	4000 Kg/ (18-24 Hrs)	80 - 87

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