

Barton Oxide System

OPERATION

Lead is melted in a Melting Pot and is pumped into the Reaction pot, where the exothermic reaction of converting Lead to Lead Oxide takes place. The reaction temperature and reaction ampere is controlled to achieve stable reaction and desired quality. Negative pressure is maintained in the reactor. Oxide is removed from the reactor by sucking fresh air through it. Oxide is collected in the cyclone and the Dust collector.

The dust collector fitted with PP coated filter bags, filters the air and leaves fresh air to the atmosphere. The exhaust air from the Dust collector meets the environmental emission standards. HEPA filters can also be used after the Dust collector.

REACTION CONTROL

REACTION TEMPERATURE

Reaction temperature is controlled by controlling the feed to the reaction pot and the amount of air sucked through the reactor. Water can also be used the control the temperature.

REACTION LOAD

Reaction load i.e ampere of the reactor is controlled by controlling the amount of lead entering the reactor.

SYSTEM DRAFT

System Draft is measured and controlled by a motorized butterfly Damper, through the control panel.

OTHER FEATURES

Fully Automatic with PLC based Control system

Totally enclosed system.

Touch Screen Based Interface

One Button Start / Stop

24 Hour Operation



Specification Of the Output (Lead Oxide) :

OXIDE SPECIFICATIONS	UNIT	RANGE
Total PbO	%	82-68
Free LEAD	%	18 - 32
Apparent density	Grams/cc	1.5 -1.8
Acid Absorption	Mg/gram	180 -200
Average particle	sizeµm	3 - 4.5

Production rate :

Model	Capacity
ACS/BRT/5T	5000 kgs /(24 hrs)
ACS/BRT/8T	8000 kgs /(24 hrs)
ACS/BRT/12T	12000 kgs /(24 hrs)

