case STUDY

Dust Collector for Fumes from Lead Furnace

Creator Teknisk Utveckling AB

Creator Teknisk Utveckling AB undertakes product development projects, bringing both creativity and methodology to these assignments. Creator always strives to be a partner that both leads and contributes, to provide efficient implementation and ensure a profitable and competitive solution.

Creator contacted Camfil Svenska for a filtration solution for lead fume. Peter Berg, the Camfil Svenska salesman, realised that this was an ideal APC application and contacted Camfil Farr APC Nordic.

Lead fume is extremely poisonous and the efficiency of the fume extraction system had to ensure that all fumes were removed from the production area.

Camfil Farr APC evaluated the application and made a proposal based on a canopy hood connected to a Gold Series GS04 dust collector.

Creator accepted the proposals and Camfil Farr APC delivered the dust collector along with the design for the canopy hood and ducting system.

Camfil Farr APC Gold Series® cartridges have an expanded capacity due to the patented inner Gold Cone™. This inner cone increases media area and provides uniform dispersion of back-pulsed air. It also opens up more usable space for air flow in the filter.

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The lead dust is collected in a standard 210 litre drum for easy disposal and the hopper is fitted with a shut off valve to ensure there is no leakage of dust when the drum is being changed.

The cleaned air is discharged to atmosphere outside the building. The high efficiency, Gold Cone Hemipleat filter elements, ensure that the exhaust air is almost 100% free from lead.

The system has been in operation since January 2010 and is working very well. This installation is a pilot plant and Creator expect to order two further identical systems in the near future.

Product Information

Product: Gold Series® dust collector
Size: GS04
Air Volume: 6.000 m³/h
Application: Lead fumes from furnace
Customer: Creator, Vikmanshyttan, Sweden
Installation date: January 2010

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