

Dust Collector For Weld Fumes

Product: Gold Series® dust collector
Size: GS06
Air Volume: 10,000 m³/h
Application: Welding fumes
Customer: KSMV, Kristiansand, Norway
Installation date: January 2010



KSMV (Kristiansands Skruefabrikk & Mekanisk Verksted AS), in South of Norway, is a modern well-equipped workshop with 105 highly educated employees. Otto Hansen established the workshop in 1918.

The company has continuously been developed and is today a specialized subcontractor with deliveries mainly to the off shore. Quality, service and on time delivery is very important to satisfy the high demands in this type of industry.

KSMV decided to invest in an extraction system for welding fume and Camfil Farr APC's partner in Norway, ITEK, was contacted.

A design with a central dust collector, ductwork system and flexible arms were presented to KSMV. They liked the proposal and the high quality of the Gold Series Collector and placed an order with ITEK.

The system incorporates a Gold Series GS06 with a fan that has a variable speed drive that is govern by the under pressure in the duct system. This design makes the system automatic.

After a worker opens an extraction point, the pressure in the system goes down. This triggers the variable speed drive to increase the speed of the fan to maintain both the pressure and air volume extracted. This system saved a lot of energy and makes the investment Green.

The extracted air is after the Gold Series fume collector blown into the ventilation system and passes an heat exchanger before leaving the building. This is also saving a lot of energy.

The installation has been in operation since November 2009 and is working very well.