

Audi had previously tried various different filter types, but none of them managed to make the air as clean as they wanted. Read more about how Absolent together with Hungarian distributor Pure Air, replaced existing filters with 27 Absolent units making the air cleaner and the work environment healthier.

27 Absolent Filter Units Delivered to Audi

CUSTOMER

Audi, Hungary. During the past ten years Audi has expanded their production in Hungary significantly, doubling their original production capacity. Today they are one of Hungary's most significant foreign direct investors and exporters and the plant is the largest passenger car engine plant in the world. Around 9.000 engines are manufactured every day for the whole Volkswagen Group and some of the Audi car models are also assembled here.

PROBLEM/OBJECTIVE

The machines in the factory were equipped with various filter models and technologies, providing different quality of filtered air which was not recovered. 1 000 000 m³/h of process air from the filters were let out of the premises through the roof. The inconsistent air quality in combination with a general ventilation running at maximum capacity resulted in high energy costs, decaying buildings and oily rooftops.

The main reasons for choosing Absolent was energy savings, low maintenance costs and cleaner air. The Volkswagen Corporation has a global program to decrease their plants' energy consumption worldwide by 20% by 2020, and the well-filtered process air is a significant part of this.

SOLUTION

Most of our filters are working with "Minimal Quantity Lubrication" (MQL), which is one of the latest lube technologies within metalworking. It creates special demands for process air filtration, due to very small particle sizes. The Absolent A•smoke series are designed to cope with this problem.

In this case, our solution was best due to our three guarantees:

1) Absolent filters are equipped with HEPA H13 cassettes for perfect air quality in combination with 2) at least one year of maintenance free operation and 3) stable extraction of air during the entire operation.

Besides filters for MQL also filters from A•dust series were installed for dry filtration, as well A•mist series for "light" applications such as washing machines.

RESULTS

Absolent together with our hungarian distributor Pure Air have installed 27 different types of both large central filters and small individual filters over the past three years and Audi is very happy with the results. Maintenance costs are very low; the first time a filter cassette had to be exchanged in an A•mist^{10C} it had been running for more than 12 700 hours!

Some of the air filtered through the HEPA H13 is now being returned back to the premises. The filter capacity ensure constant, proper extraction from the machines, which means no leakage of dirty air! In 2017 we started a project that included measuring air quality improvements and savings made with Absolent.



FACTS ABOUT CURRENT UNITS

June 2014 - 1 A•mist^{10C} (1000m³/h)
March 2015 - 1 A•smoke⁴⁰ (4000m³/h)
March 2015 - 8 A•smoke^{80TF} (64 000m³/h)
March 2015 - 2 A•mist^{20HP} (4000m³/h)
March 2015 - 3 A•dust⁵
May 2015 - 1 A•smoke^{120T} (12000m³/h)
May 2015 - 2 A•smoke^{80TF} (16000m³/h)
May 2015 - 1 A•smoke⁴⁰ (4000m³/h)
July 2015 - 1 A•smoke⁴⁰ (4000m³/h)
December 2015 - 6 A•smoke^{80TF} (48 000m³/h)
December 2015 - 1 A•mist^{80TF} (8000m³/h)

Absolent knows the Automotive industry

Many of our customers are automotive brands. Over the years we have worked with Audi, Ford, Honda, Hyundai, Jaguar Land Rover and many more. Maybe it was an Absolent unit that filtered the air from the machine used when your car was made?

Do you want to save time, energy and money, as well? Call us and we will talk about what your plant may need!

Absolent filter units

Our filter units are designed to clean the air from the machines in your workshop. They capture pollution and pass clean air ahead. It all starts with the Absolent Catch & Release[®] filter cassettes. They are the heart of the process filtration unit, carefully designed and manufactured to match the needs of any customer.

Because of the innovation and knowledge behind our brand we are able to offer plenty of standard units available for delivery on short notice. We also love when our customers challenge us. Customizing solutions that solve any oil mist, oil smoke or dust problem has become our specialty.



A•mist^{80TF}

Height	2068 mm
Width	1415 mm
Depth	1263 mm
Inlet Duct ø	400 mm
Weight, Dry Filters	640 kg
Motor Size	7.5 kW
Air flow, rated	8000 m ³ /h

A•smoke^{80TF}

Height	4000 mm
Width	1394 mm
Depth	2120 mm
Inlet Duct ø	400 mm
Weight, Dry Filters	1500 kg
Motor Size	11/15 kW
Air flow, rated	8000 m ³ /h

A•dust⁵

Height	3145 mm
Width	1429 mm
Depth	1414 mm
No. of cartridges	5 pcs
Weight	620 kg
Air flow, rated	6900 m ³ /h*

* The airflow depends on the type of particles to be filtrated.