Capturing and filtering emissions in welding applications

Welding fumes are optimally captured and reliably filtered

Dry separator VARIO
The task
Welding produces welding fumes which using even the most advanced production technologies are impossible to prevent. Capturing, removing and extracting these fumes are often required for technical, product-specific, environmental and legal reasons. The handling of welding fumes is often made even more problematic by the fact that they can represent a health hazard, be toxic or even carcinogenic.

The solution
Keller Lufttechnik has many years of experience and extensive know-how in capturing and filtering of welding emissions in all industrial fields. Our technology has been proven under the most diverse conditions. The modular design of our filtration systems and their components lets us offer you the best possible solution for your specific needs.

Your advantages
- Individual consultation using our wide range of experience
- Efficient removal and extraction of super-fine welding emissions
- Protection of workers in the workplace
- High-efficiency filter technologies custom-tailored to specific requirements
- Low residual dust content allows clean-air recirculation
- Continuous cleaning with compressed air ensures constant airflow rate

KLR-Filter®
powerful and energy-efficient
The original Keller KLR-Filter® set a new service life record in this filter design, with up to 120,000 cleaning intervals. This superior quality was achieved with the choice of materials, and with our high-quality, state-of-the-art in-house manufacturing process in particular.

The surface of the self-supporting filter is big using a large number of pleats. The pressure loss and resulting energy demand decreases accordingly.
The manner of capturing the welding fumes depends on the production process in use. Ideally the welding fumes should be captured at the point of origin to achieve optimal results. Our correctly designed and dimensioned capturing devices minimize the amount of air that needs to be treated, thus minimizing your investment and operating costs.

**Capturing elements**

- Suction pistol
- Welding mask with suction line
- Suction arm
- Exhaust fume hood
- Single backstop
- Capturing welding fumes from welding robots
- Workbench
- Work cabins

**Welding fumes optimally captured**

Suitable collection saves energy
Capturing and filtering emissions in welding applications

Examples of implemented systems

Central filter system...

...welding truck bodies

Backstop capturing in wheel manufacturing

Capturing welding emissions from welding robots in seat component manufacturing

References

Benteler, CR k.s., CZ Straz nad Nisou
Bergische Achsen, Wiehl
BMW, Dingolfing
Daimler AG, Hamburg
Gillet Heinrich, Edenkoben
Intier, Cz Chabarovicke
Liebherr, Biberach
Liebherr, Ehingen
Oris, St. Egidien
Südrad, Eberbach
Stetter, Memmingen

Keller Lufttechnik GmbH + Co. KG
Neuweiher Str. 30
73230 Kirchheim unter Teck
Fon +49 7021 574-0 · Fax 52430
info@keller-lufttechnik.de
www.keller-lufttechnik.de