

FRIDURIT® - CASE STUDY ENVIRONMENTAL EQUIPMENT FAG KUGELFISCHER, SCHWEINFURT (D)

Manufacturer of automotive components and bearings

Application:

Absorption of hydrochloric acid from a quality control process

Year of installation:

2002

The FRIDURIT fume scrubber C180 is used in this application to clean acidic vapours of a quality test on automotive components, especially on wheel bearings for the assembly in vehicles. The waste water from the scrubber and the chemical process is collected in a FRIDURIT lifting station and pumped into the FRIDURIT neutraliser unit in a separate room.



- highest absorption rates up to 95%
- compact design
- simple operation
- service worldwide

Protecting the environment and your safety

Reliable exhaust air cleaning at laboratory fume cupboards

FRIDURIT® - CASE STUDY ENVIRONMENTAL EQUIPMENT BORSODCHEM ZRT., KAZINCBARCIKA (HU)

Manufacturer and fabricator of plastics and production of isocyanate

Application:

Treatment of phosgene containing exhaust air

Year of installation:

2000

FRIDURIT fume scrubbers are used in laboratories in order to clean phosgene containing exhaust air from 4 fume cupboards. For an increased absorption capacity the scrubbing liquid is mixed with lye. The exchange of the scrubbing fluid is regulated by pH measurement.



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FRIDURIT® - CASE STUDY ENVIRONMENTAL EQUIPMENT EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE ZÜRICH (CH)

Application:

Absorption of acids

Year of installation:

2002

The FRIDURIT fume scrubber C54 was modified with a chemical resistant pump to enable a quick retrofitting of the whole fume cupboard. The electrical control of scrubber functions and fume cupboard lighting can be easily controlled by a special control panel integrated in the fume cupboard.



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FRIDURIT® - CASE STUDY ENVIRONMENTAL EQUIPMENT VALEO WISCHERSYSTEME GMBH, BIETIGHEIM BISSINGEN (D)

Manufacturer of wiper systems for automotive

Application:

Absorption of hydrochloric acid from an acid cleaning process

Year of installation:

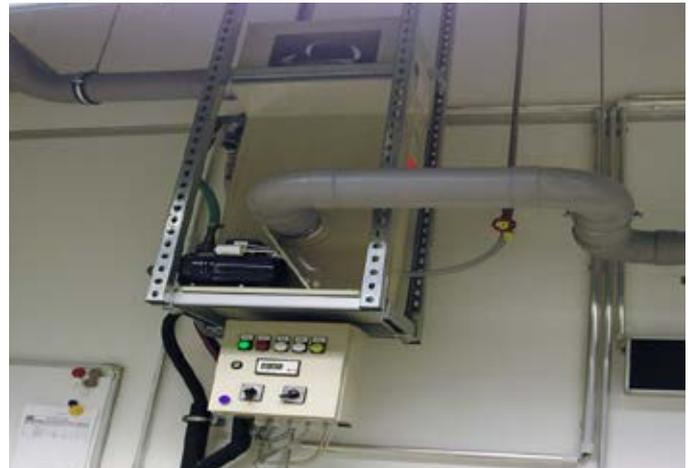
2005

The FRIDURIT Fume Scrubber C20 was modified to absorb salt-loaded air from a long-time quality test with road salt:

The following parts were adapted:

- fully automatic control of scrubber functions (not standard on the C20)
- integrated conductivity probe
- modification of accessibility of separation system

The most important modification was the reconstruction of the integrated fan. It had to be easy to clean and resistant against abrasive salt crusts.



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FRIDURIT® - CASE STUDY ENVIRONMENTAL EQUIPMENT NN EUROPE, KUGELFERTIGUNG ELTMANN (D)

Manufacturing of balls for bearings

Application:

Absorption of hydrochloric acid from acid cleaning process

Year of installation:

2008

Replacement of a fume scrubber assembled by KT (more than 30 years ago) with a FRIDURIT fume scrubber C180. The PVC parts of the air ventilation system leading the air into the scrubber were also replaced by modern PP ones.



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FRIDURIT® - CASE STUDY ENVIRONMENTAL EQUIPMENT SGS NEDERLAND B.V. (NL)

The SGS network comprises over 1000 offices and laboratories and more than 50 000 employees around the world.

Application:

Chemical analysis of raw materials (copper, iron, etc.) with hot acids in high concentration.

The exhausted aggressive air of the chemical analysis process is washed in a FRIDURIT fume scrubber C180. The high efficiency of the scrubber helps to avoid damages caused to environment and buildings.



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- service worldwide

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