



FRIDURIT® FUME SCRUBBER C20

Local extraction of exhaust air

FOR THE ENVIRONMENT AND YOUR SAFETY THE CLEAN SOLUTION

The FRIDURIT fume scrubber C20 was especially developed for decentralised treatment of chemically contaminated exhaust air by means of local extraction.



Flexible treatment of exhaust air.



FRIDURIT fume scrubbers keep you on the right side of the law: They meet the legal requirements for adherence to limit values placed on vaporous and gaseous inorganic substances, for minimising emissions from industrial processes as well as for preventing the formation of poisonous gases in case of fire.

Our product supplies lasting support in preserving your building substance. With minimal noise level and power consumption a high degree of absorption efficiency can be achieved.

Our product keeps you well ahead for the future. This investment increases for example the LEED Green Building Score, due especially to the fact that the FRIDURIT manufacturing process fulfils all ISO standards for general process management (ISO 9001:2008), for adherence to environmental aspects (ISO 14001:2004) as well as for implementing an energy management system (ISO 50001:2011).

COMPACT DESIGN HIGHEST ABSORPTION EFFICIENCY

The mobile fume scrubber works according to a highly efficient absorption principle:
The contaminated air is suctioned through the separating devices and then exhausted at the back. A modification of the ventilation system is not necessary.

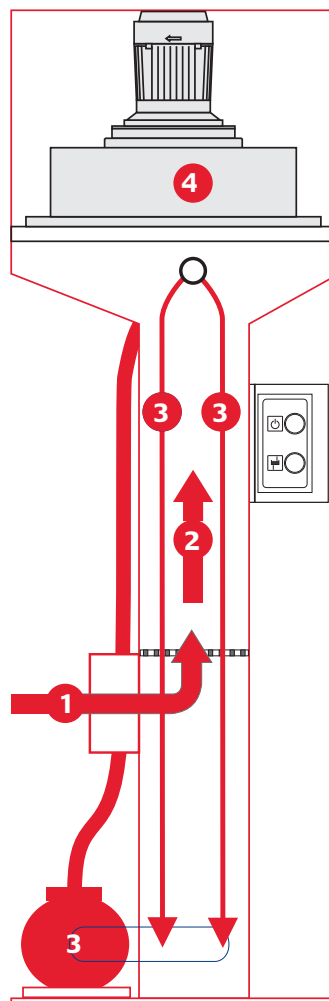
EXAMPLES OF USE



The fume scrubber C20 is flexible in its installation. Besides an installation on benches or on the floor it can be placed where the installation of a fixed scrubber is not possible due to restrictions of space. Please note that the unit must not be installed inside a fume cupboard.

THE FUNCTIONAL PRINCIPLE

- 1 The contaminated exhaust air is suctioned directly into the absorption room by means of an integrated fan.
- 2 Intensive washing of the pollutants in the pall ring package takes place there.
- 3 The washing liquid is continuously led over the pall ring package by means of an integrated pump.
- 4 The purified waste-air is led into the downstream duct system by the fan.



THE ADVANTAGES IN A NUTSHELL

Sustained development and viability are the maxims for using FRIDURIT fume scrubbers. We have been a reliable partner to our customers for more than 20 years, ensuring smooth implementation of your requirements.

The flexible FRIDURIT fume scrubber C20 is hallmarked by the following:

- ▶ Highest degree of absorption efficiency of up to 95% despite compact design.
- ▶ Significantly lower investment and operating costs than central cleaning systems.
- ▶ The units can be mounted beside the fume cupboard or close to the source of emission.
- ▶ Extremely simple to operate and largely language-independent due to intuitive operation.
- ▶ During the fully automatic exchange of scrubbing liquid work can continue without interruption.
- ▶ The level of pollutants in the scrubbing liquid can be measured and used for controlling scrubbing liquid exchange.
- ▶ The system has been optimised for the use of process water as scrubbing liquid. The addition of hazardous substances, such as sodium hydroxide can be avoided.
- ▶ Materials that come in contact with media are largely resistant to chemicals, separable according to type and are recyclable.
- ▶ A well-organised service network together with numerous trade partners both at home and abroad provide support for any maintenance and repairs needed.
- ▶ Sanitary, electrical and ventilation connections are constantly improved in cooperation with our customers.
- ▶ Extractor systems of numerous manufacturers can easily be connected to the scrubber.
- ▶ Each FRIDURIT fume scrubber is checked for functionality as well as for adherence to internal quality criteria prior to dispatch.
- ▶ Spare parts are generally available for the entire lifetime of the units. Constant care is taken that newly-developed parts are compatible with those used so far.

**Simple operation
and reliable ser-
vice worldwide.**



FRIDURIT fume scrubber C20

Material	Polypropylene
Absorption efficiency	up to 95% Air
Flow	max. 200 m ³ /h ¹
Pump capacity	40 l/min
Lifting height	max. 2 m
Dimensions (total external dimensions)	W = 350 / 115 / 330 mm, D = 560, H = 1030 mm
Weight	approx. 32 kg empty, 42 kg full
Water volume	approx. 10 l
Operating voltage	230 V AC / 50 Hz
Performance	0.4 kW (total)
Protection class	IP 20

¹ For higher air flow rates up to 1800 m³/h other types of fume scrubbers are available.

For further technical details please visit www.kyocera-fin ceramics.de



KYOCERA Fineceramics Europe GmbH

Steinzeugstrasse 92
68229 Mannheim / Germany
Tel: +49 621 40547-300
E-mail: info@kyocera-fineceramics.de
www.kyocera-fineceramics.de/en

Plant Selb

Lorenz-Hutschenreuther-Strasse 81
95100 Selb / Germany
Tel: +49 9287 807-0

Sales office Esslingen

Fritz-Müller-Strasse 27
73730 Esslingen / Germany
Tel: +49 711 93 93 4-0

Sales office Neuss

Hammfelddamm 6
41460 Neuss / Germany
Tel: +49 2131 16 37-0

Sales office Great Britain

Prospect House, Archipelago, Lyon Way
Frimley, Surrey
GU16 7ER / Great Britain
Tel: +44 1276-69 34 50

Sales office France

Parc Icade Orly - Rungis
21 rue de Villeneuve
94150 Rungis / France
Tel: +33 1 41-73 73 30