



FRIDURIT®
FUME SCRUBBER C20

Local extraction of laboratory exhaust air

www.friatec.de

FRIDURIT® LABORATORY TECHNOLOGY **FOR LABORATORY PERFECTION**

FRIDURIT is a leading brand for laboratory work surfaces, as well as for decentralised exhaust air and waste-water treatment. All our products are developed with our customers in mind. We look at customers individually to ensure that we supply the solution that exactly meets their needs.

The satisfaction of our customers is of great importance to us. This is our best reference and proof of the high quality of our solutions.





All over the world, hundreds of companies and institutions work with FRIDURIT environmental equipment. At the end of the day it's trust that counts!

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 laboratory exhaust air.



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

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 laboratory fume cupboards as well as for preventing the formation of poisonous gases in case of fire.

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). Our membership in EGNATON – European Association for Sustainable Laboratory Technologies – highlights our central maxim: Sustainability and Viability.

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.

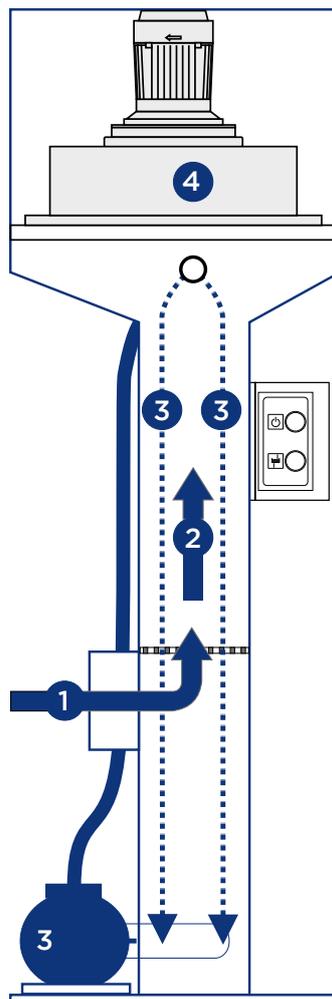
EXAMPLES OF USE



The fume scrubber C20 is flexible in its installation in the laboratory. Besides an installation on laboratory 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 service
worldwide.



FRIDURIT fume scrubber C20

Material	Polypropylene
Absorption efficiency	up to 95% Air
Flow	max. 200 m ³ /h
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

For further technical details please visit www.friatec.de

FRIDURIT® LABORATORY TECHNOLOGY **FOR LABORATORY PERFECTION**

You place high demands on your products and services in terms of quality. You have every right to pass these demands on to us, and we know that excellent work, research and manufacturing are only possible in an excellent working environment.

FRIDURIT stands for leading know-how in materials and innovative environmental technologies. Due to their extreme durability and suitability for recycling FRIDURIT products make a major contribution to sustainable building.

We offer you:

TECHNICAL CERAMICS

- Laboratory benchtops
- Laboratory sinks

POLYPROPYLENE

- Laboratory benchtops
- Laboratory sinks

ENVIRONMENTAL EQUIPMENT

- Fume scrubbers
- Neutralisation units

FRIATEC

INNOVATIVE SOLUTIONS FOR THE GLOBAL MARKET

INNOVATIONS FOR MORE THAN 150 YEARS

The company was founded in 1863 in Mannheim, Germany, as a brickyard and succeeded in developing its first pathbreaking innovation, chemical stoneware, in 1888. Numerous new developments followed. Among other things, the company started in the mid of the past century processing plastics and combined modern and traditional materials when producing chemical devices and facilities. The following years were characterised by the expansion in the core business and the opening up of more and more new business segments. As Deutsche Steinzeug and later as Friedrichsfeld GmbH, the company, which has been operating under the name FRIATEC AG since 1993, continuously developed to become an internationally active, diversified company.

SPECTRUM OF INNOVATIVE SOLUTIONS

As such, FRIATEC AG today offers a spectrum of innovative solutions for many industries, e.g. jointing technology for pipe systems, special pumps for aggressive, volatile or explosive media, but also ceramic components which are used in laboratory and electrical engineering but also in medical engineering. With its sophisticated solutions, FRIATEC AG is not only among the most well-known and well-established companies in the metropolitan region Rhine-Neckar but is also one of the global market leaders of its industry.

PARTNER OF A POWERFUL COMMUNITY

Since 2003, FRIATEC AG has been a member of the ALIAXIS group of companies with headquarters in Brussels. ALIAXIS is the worldwide largest producer of plastic pipe systems for the construction industry, the industry and utilities.

**FRIATEC AG is a specialist
company for products made
of non-corroding and
wear-resistant materials.**

Aliaxis

UTILITIES & INDUSTRY

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WEBLINK
Fume scrubber C20