



Take it easy

FRIAMAT 8 Mini –
maximum performance &
minimum weight



Not all fusion units are born equal.

FRIAMAT 8 Mini makes the difference for house connections

It's clear that when it comes to house connections, things have to run smoothly on the construction site – efficiently and reliably. However, today's requirements place the highest demands on flexibility and performance. As well as on the teams and the equipment used.

Construction projects in different environments (and on varying terrain) not only require reliable and robust equipment.

Devices are needed that are not only mobile, easy to transport and adaptable, but also impress with their straightforward handling and innovative technology. We now possess the best solution for processing house connections for nominal diameters up to d180 and beyond. The new FRIAMAT 8 Mini electrofusion unit impresses all with its performance and safety. Ideal for house connections, the FRIAMAT 8 Mini combines maximum quality with a low weight for optimum handling on any construction site. Made in Germany and based on over 50 years of global experience.

Aliaxis. We make life flow.

FRIAMAT 8 Mini is backed by Aliaxis. A company that connects people with water and energy, ensuring a better future. As a leading, international provider of advanced plastic pipe systems for civil engineering, industrial and agricultural applications, Aliaxis provides people around the world with sustainable, innovative and highly efficient water and energy solutions. Around 14,000 employees worldwide contribute their technical expertise and market knowledge to targeted solutions that meet the highest demands of our customers around the globe. Aliaxis is present in more than 40 countries through leading local brands, combining local solutions with global innovation and operational excellence in each location.

A whole new lightness: FRIAMAT 8 Mini

Easy handling

Weighing just 10 kilograms and with a comfortable shoulder strap for easy, hands-free carrying

Developed for every situation

Compact, stable and robust housing – can also be used in harsh conditions from -10 to +50°C

Active cooling

Flow-optimised active cooling for fusion processes without interruption or loss of performance

preCheck function

Automatic pre-calculation of whether a fusion process can be carried out completely and without interruption – saves both material and time

LED interface

Language-independent, smart and intuitive control panel with status information on fusion progress via multicoloured LEDs

Fully digital

Scanning via smartphone or Bluetooth scanner and the WorkFlow app with extended functions

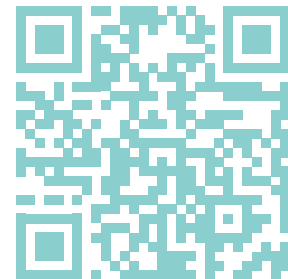


Light. Strong. Efficient.

For reliable work on house connections

What would it be like if an electrofusion unit was so light that it increased mobility on the construction site? An appliance that allows you to work efficiently, anywhere and in any place, no matter how difficult access conditions might be. A fusion unit that guarantees high-quality workmanship. Fully digital, intuitive to use and language-independent. This is exactly what the FRIAMAT 8 Mini offers.

For maximum transparency and reliable control, this state-of-the-art electrofusion unit directly records all documentation data of the fusion process digitally. Easy to handle, the FRIAMAT 8 Mini offers maximum flexibility and efficiency when working on a construction site. And with a convincing price-performance ratio.



FRIATEC: the Aliaxis infrastructure brand stands for quality, durability and ease of installation.

Talk to us!

How do you benefit from the maximum performance of the lightweight FRIAMAT 8 Mini when working on a house connection? Discover more here:

www.aliaxis.de/friamat8-en



Efficient. Safe. Cool.

Functions with a focus on performance for house connections



Barcode scanning

Whether using a smartphone or Bluetooth scanner, barcode scanning is fast and efficient – completely wireless for maximum freedom of movement. Thanks to the integrated smartphone camera scanner function, the WorkFlow app can read all 1D fusion and traceability barcodes in accordance with ISO 13950, ISO 12176-4, ASTM F2897 and 2D barcodes in accordance with the new ISO 12176-5. These standards can also be read with the wireless Bluetooth scanner.



Active Cooling

You can perform any number of fusion processes in succession and without interruption. And without any annoying waiting times until the appliance reaches a usable operating temperature once more. Without downtime that costs time and money. Sounds like the kind of workflows everyone wants. This is exactly what the Active Cooling Technology of the FRIAMAT 8 Mini has to offer. Thanks to active cooling during operation, reliable performance and maximum efficiency are guaranteed.



Protection against dust and water

Even under adverse conditions, the "little champion" is highly reliable. The FRIAMAT 8 Mini is optimally protected against the ingress of dust and splash water. Don't just take our word for it; this has been confirmed in multiple safety, electrical, shock and vibration tests in recognised laboratories.

Smart. Simple. Revolutionary.

A new LED interface with unique user friendliness

The new and innovative FRIAMAT 8 Mini control panel sets new standards on the construction site. The interface with LEDs in a circle design serves as your intuitive, simple and smart guide through the fusion process – it is totally language-independent and can therefore be used anywhere in the world. The LED interface enables permanent status monitoring of the work progress and provides a clear display of the fusion process and control. The excellent visibility of the interface ensures optimum monitoring, even from a distance and in poor lighting conditions.



Scanning the barcodes

You're ready to go! Two systems are available for scanning barcodes. The integrated smartphone camera with the WorkFlow app is particularly efficient and easy to use and can scan all ID fusion barcodes in accordance with ISO13950, ASTM F2897 and ISO 12176-4 and 2D barcodes pursuant to the new ISO 12176-5. Alternatively, operators can use a wireless Bluetooth scanner to read barcodes.



Traceability

Operators can also optionally scan the barcodes to trace all the work steps and components. Similar to the fusion barcodes, we recommend the smart version via the WorkFlow app, as it saves time and guarantees total transparency.



preCheck function

A perfect fusion process right from the start – the preCheck function of the FRIAMAT 8 Mini checks all the relevant parameters before the first work step. The automatic pre-calculation provides reliable data on whether a fusion process can be carried out full, seamlessly and with no interruptions.



Prepared pipe

The FRIAMAT 8 Mini display indicates that all the preparation work has been successfully completed – from scraping and cleaning to checking the pipe. This ensures the optimum preparation of all the work materials and that the fusion process will run smoothly.



Start of the fusion process

After a successful check, the start display initiates the fusion process. This function ensures that all the relevant parameters are set correctly prior to the start of the process. The FRIAMAT 8 Mini assures a safe and precise execution with no interruptions once the fusion process has started.



Display of the fusion process

The LED interface displays the fusion process in real time, including progress and the remaining time. You can monitor and control the entire process, and thus achieve an effective overview of the work. The FRIAMAT 8 Mini therefore ensures a smooth implementation with no additional checks required.

WorkFlow – the digital transformation on the construction site.

Full digital integration with future-oriented functions

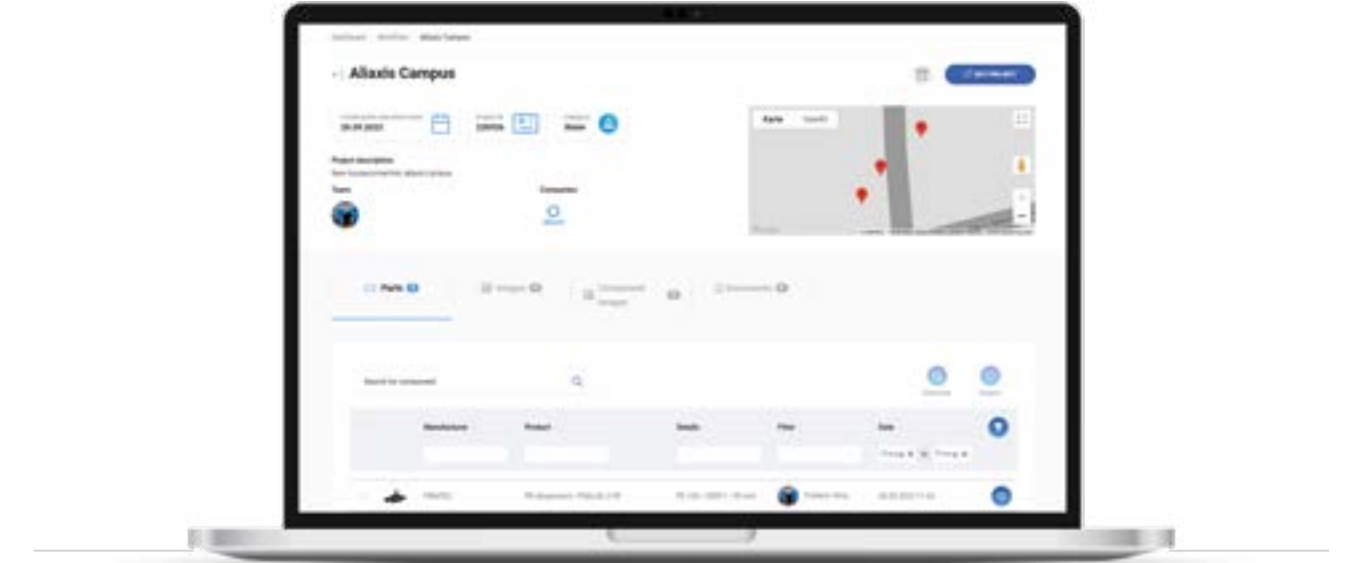
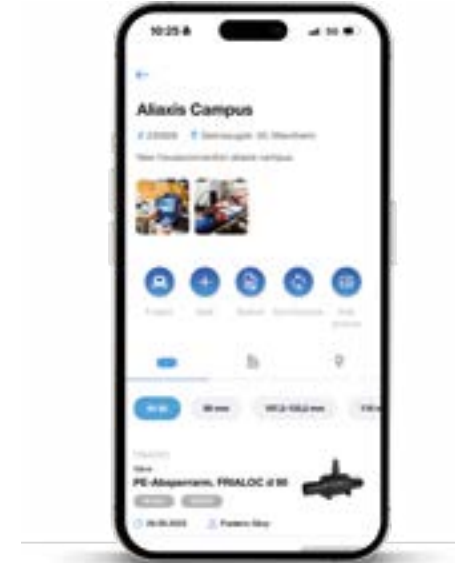
The issue for us is not whether we digitise, but “how” we do it to achieve maximum efficiency, simplicity and control! And this is precisely the aim with the full digital integration of Bluetooth and Wi-Fi with the WorkFlow app.

You benefit from real-time data from the FRIAMAT 8 Mini, including input voltage and temperature, and can also adjust individual settings or the fusion process quickly and easily using the WorkFlow app. The live transmission of the fusion protocols from the FRIAMAT 8 Mini in the WorkFlow app provides a complete overview of the work results at all times and manages the documentation and data management directly via the app. Software updates can also be easily implemented via the app for full WorkFlow functionality.



A constant overview of the fusion process

The WorkFlow app provides clear, real-time monitoring of the fusion process and progress on the smartphone display. The app displays the remaining fusion time, the product currently being processed and critical parameters including voltage and frequency.



Settings can be individually adjusted

Settings can be individually adjusted directly on the display via the WorkFlow app, including all the relevant parameters. Optional functions such as traceability or the fusion pass can be enabled or disabled as required to offer maximum flexibility. The system also makes it easy to download the fusion protocols to ensure that all the relevant data is available for efficient documentation.

From the construction site to the digital overview

The construction sites are created as a project in WorkFlow Web, including all the employees responsible for the construction site. Once the work has been completed on site, it is synchronised with the cloud and all the assembled components are therefore visible at a glance. You can then start managing the data and exporting the protocols.

Technical details

Technical details	FRIAMAT 8 Mini
Input voltage	AC 190 V – 250 V
Frequenzy	44 – 66 Hz
Energy	About 2 kW
Fusion voltage	8 – 48V
Fusion cable	2,5 m with Contact 4 (4,0 mm fitting plug)
Power cable	5 m
Operating temperature	-10°C up to +50°C
Interface	Bluetooth / Bluetooth Low Energy V5.2 (CE, FCC, IC certified) /Wifi
Barcode type	code 2/5 interleaved according to ANSI HM 10.8 M-1983 and ISO CD 13950/08.94 code 128 according to ISO 12176-4 / ASTM F2897 2D-Code (QR; Aztec; DataMatrix) according to ISO 12176-5
Log data	About 3000 protocols
Dimensions W x D x H	260 x 500 x 340 mm
Weight	about 10 kg
Languages	Language independent
Protection	Protection grade IP54 / Protection class I



Unbeatable price-performance ratio

As a lightweight superstar, the FRIAMAT 8 Mini also guarantees well-known quality combined with significant cost advantages



Reliable performance

The FRIAMAT 8 Mini stands for reliable fusion processes, long-lasting connections and an impressive service life



Absolute safety

Active Cooling, PreCheck function and traceability – innovative functions for absolutely safe work processes



Scan wirelessly

Simply via smartphone or Bluetooth scanner



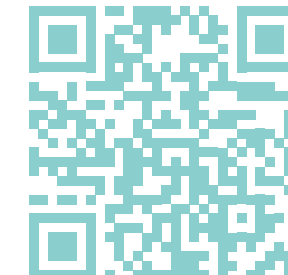
Completely language-independent

Smart and intuitive LED interface Control panel with status information on fusion progress via multicoloured LEDs



Fully digital

Operability, control, process control and other functions via WorkFlow app



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Aliaxis Deutschland GmbH

Steinzeugstrasse 50

68229 Mannheim

T: +49 621 486-0 • info.de@alixis.com

www.alixis.de/friamat8-en • www.alixis.de/en