



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



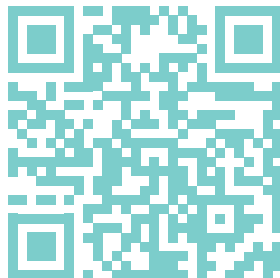
Light. Strong. Efficient.

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.

Simple. Robust. Digitised.

Never has it been easier to document fusion process data and other relevant information. Using the Bluetooth interface, you can pair the FRIAMAT with the WorkFlow solution on your smartphone. You can then simply scan fusion and traceability barcodes or control the fusion process easily and conveniently. And there are many more reasons for a FRIAMAT.



Powerful and economical in use

- State-of-the-art converter technology with flow-optimised active cooling reduces downtimes and process times.
- Future-proof microcontroller technology.
- Robust housing design for tough site use.
- Longer cables increase mobility on the building site.
- Long-term usability through coordinated equipment service and spare parts availability.
- Software updates via USB port.
- Delivery in robust transport box included.



Simple and comfortable to use

- High-resolution, extremely bright 4.3" TFT colour display guarantees best readability.
- Intuitive user interface with clear menu structure.
- With FRIAMAT preCHECK function: the FRIAMAT determines automatically whether the next fusion weld can be performed completely to the end.
- Tiltability for easy and convenient use in all site conditions.
- Supervisor function for individualisation of device functions and specification of operating sequences of the FRIAMAT 8 Mini.



Easy documentation and data management

- Recording and documentation of fusion and traceability data according to ISO 12176 as well as extended installation information, such as order number and welder.
- Up to 20,000 fusion logs can be stored in the unit.
- Output as PDF-, CSV or JSON format via standard USB stick.
- Bluetooth interface for connection to the WorkFlow App.
- Optional 1D/2D scanner and thus ready for processing 1D/2D barcodes according to ISO 12176-5.







WorkFlow Basic – the first step into the digital fusion world

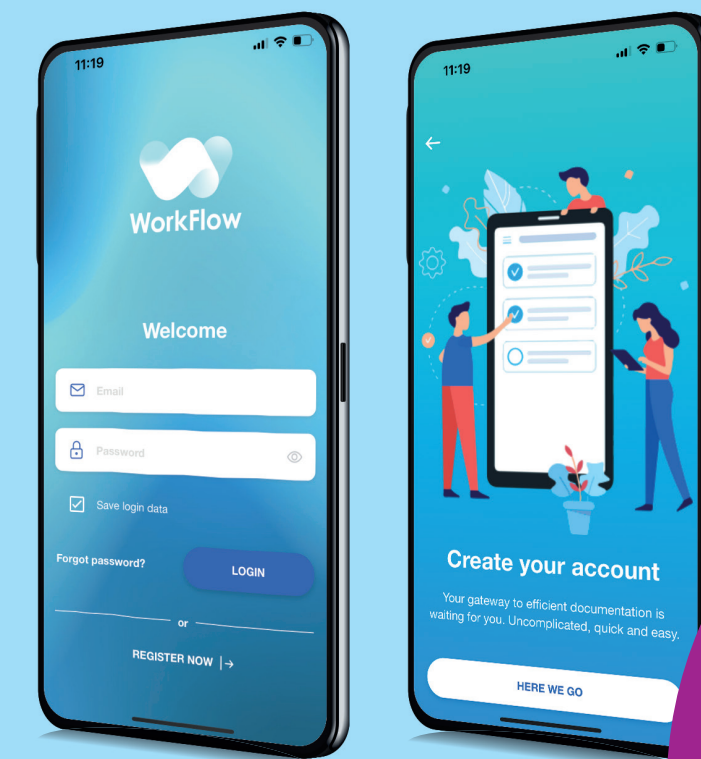
Introducing WorkFlow Basic: With WorkFlow Basic, you can transfer your **fusion protocol** to your computer with **just a few clicks** – quickly and easily via e-mail. For each component, **a PDF and CSV report** with all fusion data is generated, which you can enhance with up to **four photos** of the fusion.

WorkFlow Basic is your **central solution** for digital document access, replacing the outdated FRIAMAT app while maintaining the **same trusted features**.

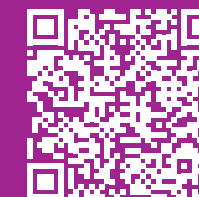
WorkFlow Basic is our free version available everywhere in the world. **WorkFlow Pro** is our paid version available in specific countries.

Switch to WorkFlow, if you're still using the FRIAMAT app – as it will **no longer** be updated. Welcome to an exciting new chapter with WorkFlow Basic!

-  **Easy in-app registration** – name, e-mail address, country and password
-  **Start immediately** – pair your FRIAMAT and start your fusion process
-  **Advanced fusion documentation** – add pictures and geo localization
-  **Tracking of all work steps** – step by step and down to the last detail
-  **Secure data transmission** – via encryption using SSL protocol
-  **Send protocols via mail** – protocols as .pdf and .csv



Start using the free app now!

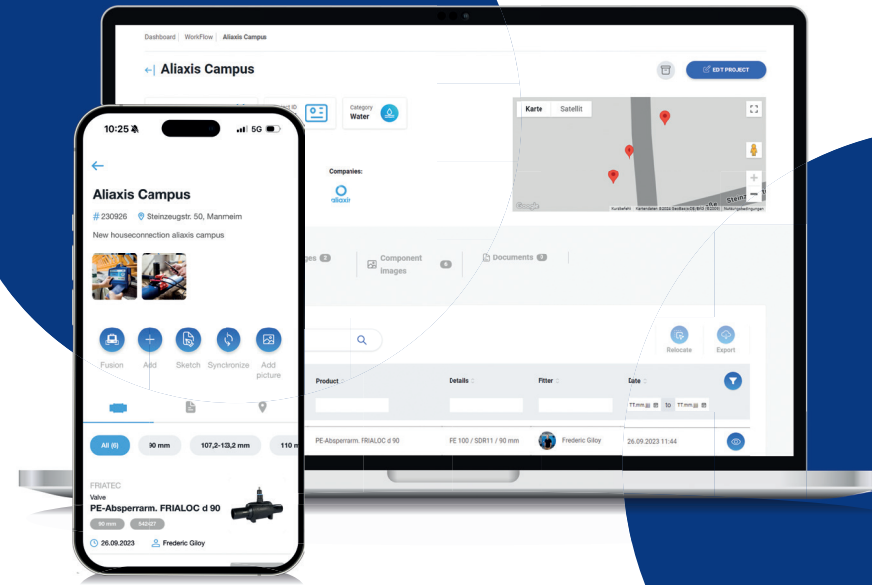


WorkFlow Pro – your digital assistant for all work steps

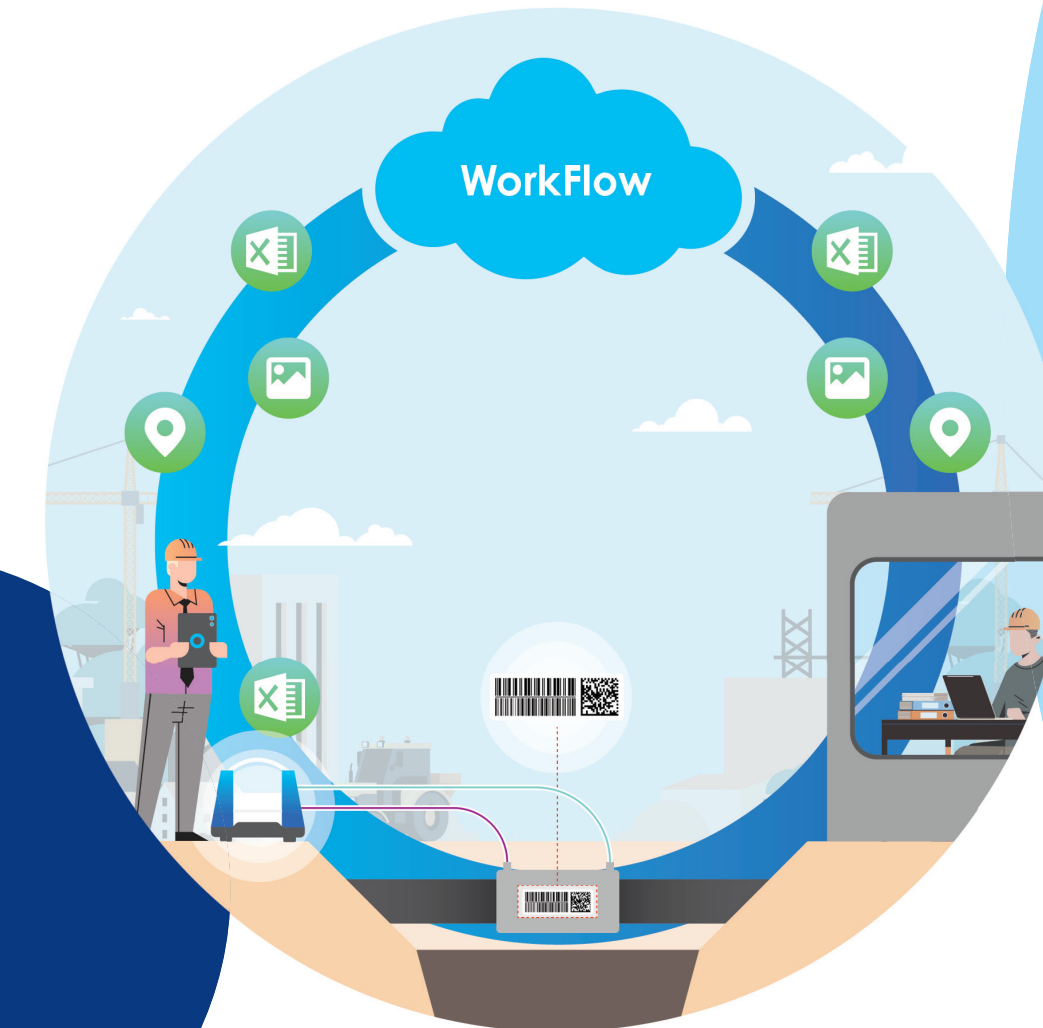
WorkFlow Pro ensures safety and control in urban and municipal construction projects by comprehensively tracking all work steps, eliminating the need for time-consuming follow-up queries. The digital assistant saves manpower and reduces errors by providing a reliable overview, tailored exactly to your needs. Those who lack sufficient helping hands on the construction site will find their own sufficient with WorkFlow.



-  **Traceability of all work activities** – step by step and down to the last detail and for all components – independent of manufacturer
-  **Making on-site assembly easier** – saves time and money
-  **Greater transparency** – thanks to digital protocols and real-time access to data
-  **Automated protocol generation** – for less administrative work
-  **Significantly minimised risks** – due to fewer documentation errors
-  **Secure data transmission** – using SSL encryption



WorkFlow Pro works – and this is how:



Fuse

Scrape, clean, install the component, scan the barcode, fuse – so far the same. With WorkFlow Mobile support, important information is added to the fusion protocol during the fusion process, e.g. GPS data to record the component's location, or photos to document its proper installation.



Synchronise

Paperless, in real time, with secure encryption: WorkFlow Mobile transfers all data to the WorkFlow cloud, where the data is immediately sorted, processed and stored. The corresponding protocols can be accessed anytime and anywhere by anyone who is authorised to do so – and by no-one else.



Manage

All protocols, images, components and many other pieces of information such as the construction site where each component was installed, or which fusion unit was used – all of this can also be accessed centrally from a desk on the construction site or in the office, via WorkFlow Web. Complete records for each construction site in a separate project.

Everything in sight. Everything under control.

A separate report for each fusion process in the pipeline network with its own fusion protocol, adding, printing and distributing documents, photos and geodata, information on components and map views individually – and all this on endless sheets of paper. Not anymore! Because the smart digital solution manages it for you.

Technical details

Technical details	FRIAMAT 8 Mini
Input voltage	AC 190 V – 250 V
Frequency	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



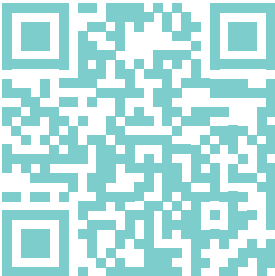
Completely language-independent

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



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

Aliaxis Deutschland GmbH

Steinzeugstrasse 50
68229 Mannheim

T: +49 621 486-0 • info.de@alixaxis.com

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