



FRIAMAT[®] electrofusion units

FRIAMAT Prime and FRIAMAT Basic

www.friatools.de

THE FRIAMAT

SOPHISTICATED TECHNOLOGY FOR ECONOMIC OPERATION

OUR AMBITION

Electrofusion of HDPE piping systems is invariably associated with FRIATEC products. FRIALEN, FRIAFIT, FRIATOOLS and, not least of all, FRIAMAT fusion units have been shaping the standards of this technology for over thirty years. And – this will remain so in future.

EFFICIENCY

The new FRIAMAT fusion units have received yet another boost in performance. This can be seen especially in continuous operation and when large fittings are processed.

Here, ultra modern converter technology and active, flow optimised cooling reduce the process and downtimes.

AVAILABILITY

The FRIAMAT fuses and fuses and fuses. And that reliably and free of problems in the working temperature range of -20 °C to +50 °C.

Every FRIAMAT can meet the harsh requirements of everyday work on the most diverse building sites.

The new, wear resistant Bi-mat housings and the excellent workmanship of all components together present a robust design that virtually eliminates failure owing to mechanical effects.

With every FRIAMAT you acquire access to our network of global service stations. With specialists who solve your problems quickly, safely and competently.

GOOD VALUE

The sum of acquisition, operating, and maintenance costs makes it clear: A FRIAMAT is an investment that makes perfect economic sense.





THE FRIAMAT

KNOWHOW AS A BASIS

EASINESS AS A CONCEPT

What's easier
than easy?
Operating the
FRIAMAT.

We know what happens on a building site. Accordingly, we also know what makes the work easier on a building site. This practical know-how provides the basis for optimisations on the FRIAMAT.

OPTIMISED PORTABILITY AND REDUCED WEIGHT

The compact design and the weight saving converter technology in FRIAMAT fusion units not only safeguard a consistently high performance, but also reduce and spread more evenly their weight. This together with the large, ergonomically optimised handle enhances considerably the portability of these devices on the building site.

OPTIMISED FORM FOR ERGONOMIC OPERATION

The new housing geometry also allows the unit to be tilted, ideal for fatigue free working in all building site conditions.

OPTIMAL FREEDOM OF MOVEMENT ON THE BUILDING SITE

The dimensions of the fusion and power cables are the result of our own field tests and permanent feedback from users.



Simple and safe
handling and
highest reliability

OPTIMISED CONTROL PANEL

The optimised control panel supports intuitive navigation through the menus of the FRIAMAT fusion units. One perfect solution is the high contrast display that remains perfectly legible even in poor light.

PERFECT DOCUMENTATION

Presenting easy to use documentation functions, the FRIAMAT Prime can store the entered data in a suitable form. Whether fusion, traceability, GPS, or supplementary data for the building site:

SUPERVISOR FUNCTION

The FRIAMAT Prime features yet another instrument in the form of a supervisor function, which simplifies and standardises the sequence of operations on your building sites. You can then configure the unit's functions to your individual requirements and specify certain operating routines as binding.

Easier, lighter, more practical: The FRIAMAT easy handling concept.

The FRIAMAT Prime features a maxi graphic display for even greater user convenience.

ENTERING DATA COULDN'T BE EASIER

The proven reader wand and the FRIAMAT scanner have been available for years for reading in fusion and traceability barcodes.

You can choose the output format for your data. You can select the established FRIATRACE format or the standard PDF or CSV variant. There is an interface in the form of a USB port.



FRIAMAT PRIME AND FRIAMAT BASIC

THE CORRECT ANSWER TO DIFFERING CLAIMS

Your needs define our programme. For this reason, we can offer you the FRIAMAT Prime and the FRIAMAT Basic in two equipment variants with identical basic features.

Technical Details*	FRIAMAT Prime	FRIAMAT Basic
Unit type	Universal fusion unit with traceability and documentation function	Universal fusion unit without documentation function
Model with reader wand	Order no. 613103	Order no. 613104
Model with barcode scanner	Order no. 614103	Order no. 614104
Input voltage range	AC 190 V - 250 V	AC 190 V - 250 V
Frequency range	44 Hz ... 66 Hz	44 Hz ... 66 Hz
Input current	AC 16 A max.	AC 16 A max.
Output	3,5 kW	3,5 kW
Unit fuse	16 A slow blow	16 A slow blow
Fusion voltage	8 - 48 V	8 - 48 V
Output current	max. 110 A	max. 110 A
Fusion current monitor	Short circuit and interruption	Short circuit and interruption
Barcode type	Code 2/5 interleaved Code 128	Code 2/5 interleaved
Working temperature range	-20 °C ... +50 °C	-20 °C ... +50 °C
International protection	IP 54	IP 54
Protection class	Protection class I	Protection class I
Measurements W x D x H	260 x 500 x 340 mm	260 x 500 x 340 mm
Weight	approx 12,8 kg	approx 12,8 kg

* Specifications subject to change



Equipment features	FRIAMAT Prime	FRIAMAT Basic
5 m connecting cable with shaped plug	●	●
4 m fusion cable with fitting connector, 4 mm diameter	●	●
Robust Bi-mat housing	●	●
High contrast maxi display	●	-
USB service port	●	●
USB data transfer interface	●	-
FRIATEC memory stick	●	-
Documentation of fusion and traceability data	●	-
Internal protocol memory (1000 protocols)	●	-
FRIATRACE database format	●	-
PDF protocol format	●	-
CSV protocol format	●	-
Manual GPS data input	●	-
Manual emergency input	●	●
Supervisor pass	●	-
Fusion pass	□	-
23 language variants**	●	●
Adapter bag	●	●
Aluminium transport box with extra compartment for operating instructions	●	●

● Standard

□ Optional

** Display and protocol language can be set independently of each other

Aliaxis
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