

FILIUS MICRO

FILIUSMICRO – THE NEW FLEXIBILITY



FILIUSmicro – FREEDOM IN THE WELDING SYSTEM

The family of the resistant weld controls **Filiusmicro** consist of a weld control with integrated user panel.

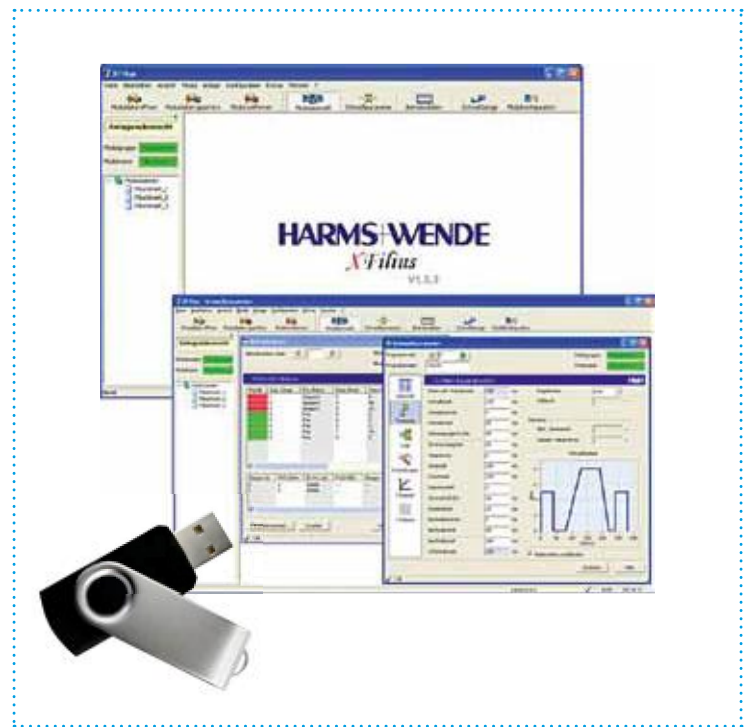
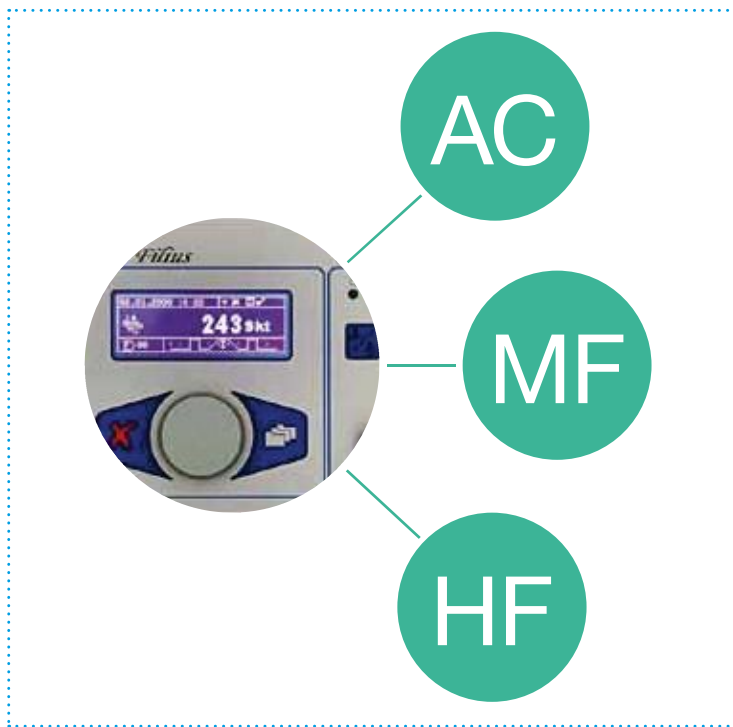
Filius controls can be combined with a wide range of power units in 10kHz high frequency technology, 1kHz medium frequency technology and 50/60Hz alternating current (AC, DC).

The power unit can be mounted in a separate location for your flexibility.

Through control panels of the type Filius Comand Beta, Filius Comand compact or Wheelcomand and a simple cable connection the parameterization can arrange on several positions in the system.



FILIUSMICRO – THE NEW FLEXIBILITY



FILIUSmicro – HARMS & WENDE offers ...

- tailor made solutions for micro joining
- consistent operation commands
- current profiles
- flexible machine design possible
- quality through powerful welding systems
- off-line parameterization over **XFilius**-user software and USB flash drive
- backward tracing possible through logbook
- protection against undesired changes through password
- quick data backup / restore through USB flash drive
- competent advice for complete welding machines and automatically answers

FILIUSMICRO – 50HZ, 1KHZ OR 10KHZ



Controls
(*Filius* AC, MF, HF)



In 1kHz-power
unit integrated
(*Filius*MF1)

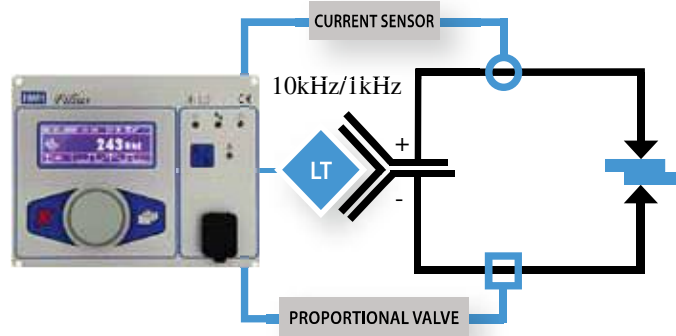
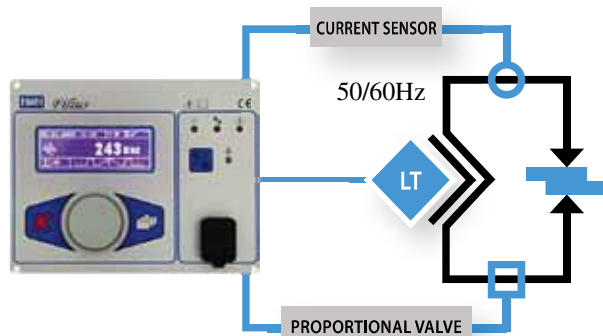


In 10kHz-power
unit integrated
(*Filius*HF1)

FILIUSmicro – INTEGRATE, THAT CONSIST TOGETHER

- User panel and power unit can be combined in one box.
- This unit will be supplied for direct mounting in your enclosure.
- The Filius timers offer a real-time clock and a USB-interface.
- Through the comfortable user interface weld schedules can be released, blocked, deleted or even copied.
- Parameter and quality recordings can be made through USB-Stick.
- Through an interface parameter settings and evaluations can be made with the Windows based program **XFilius**.

FILIUSMICRO – FUNCTIONS COMPOSED FOR YOU



FILIUSmicro – CONSISTANT OPERATION ... FLEXIBLE MACHINE DESIGN

Harms & Wende offers tailor made solutions for micro welding. Quality through powerful welding systems and competent advice for complete welding machines and automated solutions.

Filiusmicro

Standard function set:

Norm current profiles upslope main current and downslope.

Number of schedules: 99

Schedule selection internal / external

1/2 start pre-stroke, solinid valve 1,2

Proportional valve 0-10 V

Pressure program

Password protection

Secondary constant current regulation and monitoring

Power regulation

Counter function, pre-warning / maxspot

clock and calendar function

Data backup through USB-Stick

Copy function through USB-Stick

Languages: german, english

other languages on request

Filiusmicro with flexible welding technologies

Power module for:

10kHz high frequency technology

HF: as *Filius*HF1 or *Filius*HFP

from 40 to 70 kVA

(50 A) up to (400 A)

1kHz medium frequency technology

MFDC: as *Filius*MFI or *Filius*MFP

from 30 kVA up to 450 kVA

(100 A) up to (3500 A)

AC (50/60Hz) technology

AC: as *Filius*AC1 or *Filius*ACP

from 15 kVA up to 450 kVA

(45 A) up to (3700 A)

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