

Controller *Filius AC*

For all standard applications 50Hz-technology (spot, projection, seam welding, etc.)

These resistance welding controller is the perfect solution for your resistance welding machine projects.

Filius allows you short start-up times through to the self-explanatory menu navigation and convenient backup of the most important program data via USB stick.



Standard functions:

- mono:

- 1 start, 8 programs
- internal/external program selection
- single spot, serial spot and seam welding
- upslope and preheat function
- pulses
- programmable in half waves
- automatic 50/60 Hz detection
- mains voltage compensation
- score counter menu
- advance and locking contact
- status display
- national language adjustable
- password protection
- parameter backup via USB
- screw connectors

Technical data:

Installation dimensions (WxHxD)

- *Filius* 205x144,5x60mm
- *Filius beta* 160x290x60mm

- command inputs: +24VDC / ≤ 5mA
- switching outputs: +24VDC / max. 5W
- solenoid valve outputs: +24VDC / max. 5W

Extended finishes:

- multi:

- 2 start, 32 programs (2x16)
- external program selection
- secondary current control
current input in kA
- secondary current monitoring (limit monitoring)
- trail monitoring
- 2 proportional valve outputs

- classic:

- 1 start, 128 programs
- linearized stepper function
- strength, pressure program
- program sequence
- 1 proportional valve output

Accessories:

- connection plug set
- secondary current measuring belt
- connection cable VK *Filius*-LE 7/1
- connection cable VK *Filius*-LE 100/200
- connection cable MPS-VK5 (for current measurement signal)

Suitable thyristor power levels:

- **LE 7 / LE 100:** power level for cabinet installation
- **LE 200:** power level for installation in MPK housing
- **LE 5001** power level for installation in MPG housing

Current: from 45 to 3700A
Voltage: 400V 50/60Hz
other voltages on request

Complete devices - Series MPK-*Filius AC*

Standard equipment MPK *Filius AC*

- metal housing for universal assembly
- built-in control *Filius beta*
- connection cables and connection options
- load-break switch (main switch)
- thyristor power unit LE 200 / 400V, air-cooled (45 and 200A)
- thyristor power unit LE 200 / 400V, water-cooled (125, 580 and 1135A)

Dimensions: H: 700mm, W: 250mm, D: 500mm

Paintwork: light grey, RAL 7035

Additional equipment:

- lockable front door
- measuring belt connector
- machine control package with safety functions

