

NEW

INDUCTION CAP SEALING SYSTEM

Multipurpose, air-cooled portable generator.

**GENERATOR MODEL
MRCS 600
MRCS 1000**

With this new and original generator, containers can be sealed in both Static and Dynamic mode by using two different models of induction coil.

Coils for dynamic sealing
(Containers moving under the induction coil)



Coil for static sealing
(container immobile under the induction coil)



ELECTRONIC INDUSTRIAL EQUIPMENT

VIA BALESTRETTI n°430 -55029- PONTE A MORIANO -LUCCA- ITALY
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With **static sealing**, the container to be sealed must be centred under the induction coil after setting the sealing time and the output power.

The sealing process will then be activated by:

- a Start pulse from a photoelectric cell only when the container is detected to be in the correct position for sealing;
- the Start push button on the operator's panel;
- a remote control;
- the push button situated on the coil handgrip (manual positioning of the induction coil on the container)

If the containers to be sealed have screw caps, they only require to be centred at a certain distance from the induction coil. If they do not have screw caps, pressure must be applied to the seal to be welded with the coil being moved pneumatically.

With **dynamic sealing**, the induction coil is centred over the filling line conveyor belt and sealing is carried out on the moving containers.

The generator is controlled by a small PLC with a display and it performs the operations of:

- ° Start – Stop.
- ° Visualization of alarms.
- ° Visualization of analogic dimensions for generator operation.
Induction voltage and continuous current.
- ° Sealing time setting (static sealing)

Principal characteristics:

- ° Portable, compact, air-cooled generator.
- ° Excellent performance due to power circuit configuration and the use of special Power Mosfets (>90%).
- ° Fine adjustment and uninterrupted output power.
- ° Absolute stability of output power settings.
- ° Sinusoidal output wave-form.
- ° Digital timer for control of sealing time.
- ° Control, display of working sizes and alarm signals by PLC.
- ° Alarm signal in the event of faults or variations in output power.
- ° Remote-controlled Start – Stop.
- ° Sealing area 20 – 120 mm.
- ° Manufactured in accordance with EN-60204-1 standard.
- ° Electromagnetic compatibility (EMC) in accordance with EN-5511 and EN-50082-2 standards.

Optional accessories:

- ° Motorised column with adjustable height (Dynamic sealing).
- ° Induction coil support column (Static sealing).
- ° Photoelectric cell for automatic Start (Static sealing).
- ° Aluminium film detector (Dynamic sealing).
- ° Container accumulation detector (Dynamic sealing).

Generator mod. MR/CS 600	Generator mod. MR/CS 1000
Electrical characteristics	Electrical characteristics
Supply voltage.....Single-phase 220V 50 – 60 Hz	Supply voltage.....Single-phase 220 V 50 – 60 Hz
Max. absorbed power.....700 kVA	Max. absorbed power 1200 kVA
Max. output power..... 0.6 kW	Max. output power 1000 kW
Operating frequency..... 50 kHz	Operating frequency 50 kHz
Protection level..... 43 IP	Protection level..... 43 IP
Size WxHxD.....320x170x315mm	Size WxHxD..... 320x170x315mm
Weight..... 12 Kg	Weight..... 12 Kg