

# LOW FREQUENCY GENERATOR EG2440

Part number 2003150000



- Continuous degaussing for sophisticated requirements
- Two operation modes:  
Pulse degaussing or continuous alternating field
- Best for thick-walled work pieces or bulk goods
- Maximum coil current 120 A

The EG2440 low frequency generator meets sophisticated demands in degaussing. It assures electric power supply for our high performance A-series degaussing coils of an inner diameter of up to 200 x 200 cm.

To comply with customer-specific requirements, this low frequency generator offers two different operation modes. Degaussing by continuously alternating magnetic field for run-through work pieces as rods, tubes and tubes bundles, and pulse degaussing for large and very solid individual work pieces or bulk goods in product carrier with the work piece dwelling inside the degaussing coil until the strong degaussing pulse has faded.

Both operation modes allow adjustment of the coil current and compensation of external static magnetic fields (symmetry adjustment); these settings can be stored. The degaussing frequency of the magnetic field adapts automatically to the mass of the work piece, i. e. thick-walled or very solid work pieces receive automatically a lower frequency which assures a higher penetration depth of the material and prevents efficiently the creation of recurring magnetisation emerging from the material core.

## Operating and Control Elements

- Main switch
- Emergency Stop
- Start button
- Stop button
- Control lamp „On“
- Control lamp „Ready“
- Control lamp „Degaussing active“
- Control lamp „max. Coil temperature“
- Control lamp „Error“

## Internal Presettings with Display

- maximum coil current
- Symmetry of coil current
- Service functions
- Pulse or permanent operation

Degaussing frequency:	typically 0.5 - 40 Hz depending on coil size and bulk factor
Continuous operation mode:	continuous alternating field
Pulse degaussing mode:	typically 2 - 6 pulses/min (depending on frequency/current settings)
Ambient temperature:	0 °C to 55 °C (with climate control unit 50 Hz) / 0 °C to 50 °C (with climate control unit 60 Hz)
Dimensions:	approx. 67 x 67 x 221 cm (D x W x H)
Weight: approx.	260 kg (with climate control unit)

## Inputs and Outputs

- Power supply 400 V, 50/60 Hz (L1, L2, L3, N), connection approx. 63 A / tripping characteristic C
- Degaussing coil A-series (max. 120 A, depending on coil size)
- Temperature control for coil / generator
- Radial blower for coil
- Inputs / Outputs (24 V) for external control
- Interface RS 232 and RS 485 resp. for control via external PC

## Optional

- VALLON PC software “EG Control” for command and control of the low frequency generator via external PC