

# LOW FREQUENCY GENERATOR EG2422P

Part number 2002330400 [63A]



- Pulse degaussing for highest demands as for example small parts, single or in a container as bulk goods
- Short dwelling time inside the coil enabling high cycle rates
- Degaussing in static condition of the work piece / container
- High magnetic field strength inside the coil
- Frequency adjustable in 5 steps
- Easy integration into the production process

The EG2422P is our low frequency pulse generator for the highest demands in degaussing of small parts, single or as bulk goods in smaller quantities.

The EG242P supplies our pulse degaussing coils of the customized VEXxxxP series which are available in steps of 10 mm inner diameter of up to max. 51 x 51 mm.

Degaussing of single work pieces or bulk goods in a container / basket is done while the goods dwell inside the degaussing coil until the strong and short degaussing impulse has faded. The short degaussing time enables high cycle rates and is energy-saving.

The degaussing frequency of the magnetic field is adjustable in 5 steps, adapted to customer requirements. This means thick-walled or very solid work pieces can be degaussed at a low frequency which assures deep penetration of the material and thus prevents efficiently the creation of recurring magnetisation emerging from the material core.

## Operating and Control Elements

- Main switch
- LCD display
- Control buttons
- LED indication "Degaussing active"
- LED indication "Coil temperature"
- Intuitive menu navigation

## Parameter Settings

- maximum coil current (coil field strength)
- Degaussing frequency
- Symmetry of coil current
- Service functions

## Performance

Degaussing frequency:	4.5 - 7.1 - 10 - 16.7 - 50 Hz [for operation with 50 Hz line frequency] 5.4 - 8.5 - 12 - 20 - 60 Hz [for operation with 50 Hz line frequency]
Pulse duration:	1.2 Sec. [50 Hz], 5.5 Sec. [16.7 Hz], 5.9 Sec. [10 Hz], 6.3 Sec. [7.1 Hz], 7.5 Sec. [4.5Hz]
Cycle time:	typically 8 - 50 pulse/min (depending on frequency / current settings)
Ambient temperature:	0 °C to 40 °C ( > 40 °C to 55 °C only with optional air condition)
Protection class housing:	IP54
Dimensions:	560 x 480 x 200 mm (L x W x H)
Weight:	approx. 27 kg

## Inputs and Outputs

- Power supply 400 V, 50/60 Hz (L1, L2, L3, PE), connection 63 A
- Fuse protection 64 A tripping characteristic C
- Customized voltages [50/60Hz] upon demand
- VEMxxxx degaussing coils P series
- Temperature control for degaussing coil
- Connection to radial fan of the degaussing coil
- Inputs / outputs (24 V) for external control
- RS 232 and RS 485 interface resp. for control via external PC

## Optional

- VALLON PC software "EG Control" for command and control of the low frequency generator via external PC
- External control unit with START button and 3 m cable