

After some operations a residual magnetism remains in the material which can cause difficulties at further processing or usage.

Item fulltext

One of the demagnetizing methods is by passing the material through alternating magnetic field. For this purpose are designed demagnetizing tunnels with frequency converter. These are used particularly where the other usual methods fail.

In the table below are mentioned standard parameters of the demagnetizing tunnels. For a specific application it is necessary to design a unique device, that will meet up your requirements with desired configuration and parameters.

Type	Charging	Frequency converter with flowing regulation	Intensity of mag. field in the center of empty coil	Size w/h/l mm	Inner size of the coil mm
DT 300F	400/50Hz 7.4A	32A	9-20kA/m (25-50Hz)	450x1250x3000	300x300
DT 350F	400/50Hz 9.2A	40A	9-25kA/m (25-50Hz)	450x1250x3000	350x350
DT 400F	400/50Hz 4.1A	18A	9-18kA/m (25-50Hz)	500x1300x3000	400x400
DT 400F	400/50Hz 7.4A	32A	9-20kA/m (25-50Hz)	500x1300x3000	400x400
DT 500F	400/50Hz 9.2A	40A	9-16kA/m (25-50Hz)	600x1400x3000	500x500
DT 500F	400/50Hz 10.8A	47A	9-18kA/m (25-50Hz)	600x1400x3000	500x500
DT 600F	400/50Hz 10.8A	47A	9-15kA/m (25-50Hz)	750x1500x3000	600x600

Examples of realization:

DT 250F

Technical parameters:

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- Charging: 3x400V/50Hz
- Input: 6 kVA
- Coil current: AC max. 26A
- Demagnetization frequency: 30 - 50Hz
- Loading factor: 30%
- Bearing capacity of the carriage: max. 500kg
- Coil size: internal diameter 250x250 mm
- Track length of the carriage: 2000 mm



DT 300F

Technical parameters:

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- Charging: 3x400V/50Hz
- Input: max 7 kVA
- Demagnetization frequency: 30 - 50Hz
- Coil current: AC - max. 20A
- Loading factor: 20%
- Coil size: internal diameter 480x280 mm



DT 350F

Technical parameters:

- Charging: 3x400V/50Hz/span>
- Input: 6 kVA
- Coils current AC: max. 40A
- Demagnetiyation frequency: 30 - 50Hz
- Loading factor: 30%
- Coil size : internal diameter 350x350 mm
- Track length of the carriage: 5500 mm
- Bearing capacity of the carriage: up to 1400 kg

