

Powder Coating System PCS 50

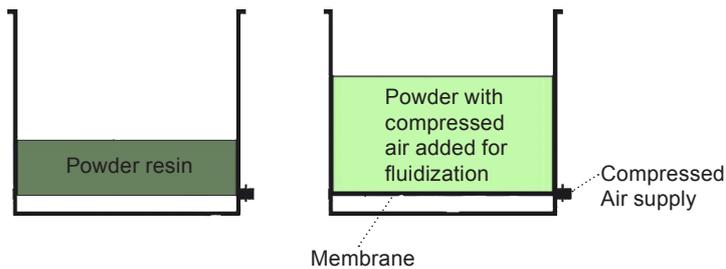
Special designed to insulate toroidal tape cores

Capacity: 50 litre
Epoxy Powder Resin: Electrical Resin 260 (3M)
Core size: min. Ø5mm, max. Ø120mm
Core height: max. 50mm
Power supply: AC 230/0,3A, 50Hz
Air pressure: 1 Bar, 0,5 m3/hour
Net weight: 30 kg
Construction: plated steel

Vibration motor: 1-phase asynchronous motor
Membrane: Special Paper
Air-control valve: FESTO
Filter regulator with pressure gauge: FESTO



Powder coating principle



- **Mode of operation**
Heat up the core on a heating plate or furnace to about 200°C
- Take the core with special holding tongs
- Dip the core in the Fluidized epoxy powder (powder coating) The epoxy powder runs on the heated core surface. The edge coverage is well ensured.
- Hang up the holding tongs with core on a framework, till the core cools to room temperature.

Fluidized bed application is accomplished by preheating Toroidal cores and dipping it into the fluidized bed of powder. The powder material Electrical Resin 260 (3M) will fuse upon contact with the hot part, creating a thick continuous film on the metal surface.

Optional:
Holding tongs
Preheating plate
Cooling rack

