MAGNA Series 2000 & GEO, Below 200W

End-of-Life Information
Grundfos MAGNA Series 2000 & MAGNA GEO, with maximum power consumption below 200 w. must be disposed of according to local regulations by using a public or private waste collection service. If this is not possible, contact the nearest Grundfos company or service workshop.

Safety Risk

- Safety related to materials used
  There is no risk for people during the disassembly process posed by the materials used in the product.

- Safety related to handling the product
  Care should be taken when handling the pump due to the weight.

Disassembly of the Product
The main materials of the components are:

- Copper
- Cast Iron
- Aluminium
- Electronic scrap

- Composite materials

and can therefore be recycled to a large extend – depending on the national possibilities for recycling.

The pump is assembled by using screws and bolts and can be disassembled with standard tools. There are no loose parts inside the motor

Designation	Name	Material	Special Disassembly Consideration
1	Control box	PA66 or PC/ASA	
	Print circuit board	Electronic scrap	
	Coolling composite	PPS	
2	Stator housing	Aluminum	The stator is shrink fitted into the stator housing.
	O-rings	EPDM rubber	
3	Outer bearing ring	Aluminum	The stator is heat-shrink fitted into the stator housing.
	Stator: Windings Core Base material	Copper Black Iron PET/PBT	

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4	Shaft	Aluminum ceramics	
	Rotor	Magnetic mat: Neodymium and Stainless steel+Black Iron	
5	Thrust bearing	Carbon	
6	Bearing plate	Stainless steel	The front-bearing is shrink fitted into the rotorcan
7	Impeller	PES	The impeller is shrink fitted onto the shaft.
8	Pump housing, Neck ring	Cast iron or stainless steel, Stainless steel	
Additional materials:		Screws, gaskets etc.: Various materials less than 5% of weight. Also: The windings in the stator are made of copper and the insulation shells are primarily made of EPP Furthermore the magnetic material in the rotor is based on ferrite	

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