MAGNA1, Below 200W

End-of-Life Information

Grundfos MAGNA1, 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.
- **Caution: Persons with pacemakers who disassemble this product shall exercise care when handling magnetic materials embedded in the rotor.**

Disassembly of the Product

The main materials of the components are:

- Copper
- Cast Iron
- Aluminium
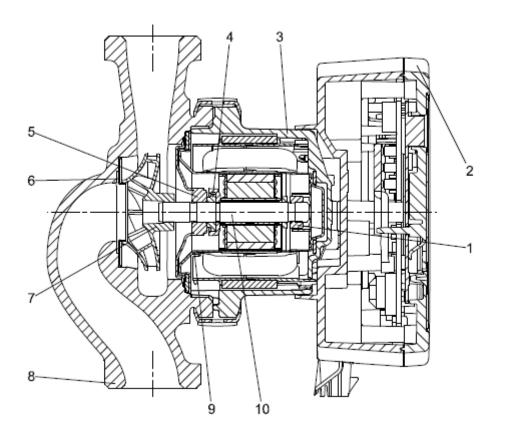- Electronic scrap
- Composite materials

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	Outer bearing ring	Aluminium oxide	
2	Control box	Polycarbonate	
	Print circuit board + User interface board	Electronic Scrap	
3	Stator housing	Aluminium	The stator is heat-shrink fitted into the stator housing.
	O-rings/gaskets	EPDM	
	Clamp	Stainless steel	
	Stator: Windings Core Base material	Copper Black Iron PET/PBT	
4	Thrust bearing	Aluminium oxide/carbon	
5	Bearing plate	Stainless steel	The front-bearing is shrink fitted into the rotorcan.

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6	Neck ring	Stainless steel	
7	Impeller	PES	The impeller is shrink fitted onto the shaft.
8	Pump housing	Cast iron or stainless steel	
9	Rotor can	PPS or stainless steel	
10	Shaft	Stainless steel or ceramics	
	Rotor	Magnetic mat: Neodymium and Stainless steel+Black Iron	
Additional materials:		Screws, gaskets etc.: Various materials less than 5% of weight. Also: The windings in the stator are made of copper	

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