

# ALPHA

## End-of-Life Information

Grundfos ALPHA pumps, which are produced after 2007, 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 extent – 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	Nameplate	Composite, PA 66	
	Controller complete	Composite, PC	
	Control electronics	PCB with SMD components	
	Stator housing	Aluminum, Silumin	
	Stator	Copper wire	
	Stator lamination	Composite laminated Iron	
9	Rotor can	Stainless steel	The stator is heat-shrink fitted into the stator housing.
	Radial bearing	Ceramics	
11	Shaft	Ceramics	
	Rotor cladding	Stainless steel	
	Rotor	Sintered NdFeB (Model B) / Ferrit (Model A)	
12	Thrust bearing	Carbon	
	Thrust bearing retainer	EPDM rubber	

13	Bearing plate	Stainless steel	The front-bearing is shrink fitted into the rotorcan.
	Radial bearing	Ceramics	
16	Impeller	Composite, PES	The impeller is shrink fitted onto the shaft.
18	Pump housing	Cast iron or Stainless steel	
<b>Additional materials:</b>		Screws and gaskets etc.: Various materials less than 5 % of weight.	

