

ALPHA1 L / UPS3

End-of-Life Information

Grundfos ALPHA1 L and UPS3 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 risk related to materials used
There is no risk for people during the disassembly process posed by the materials used in the product. It's recommended to empty the pump for water before start dismantling.
- Safety risk 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
- Stainless steel
- Aluminium
- Electronic components
- Composite materials

The pump can be recycled to a large extent – depending on the national possibilities for recycling.

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

Pos.	Component	Material	EN/DIN
1	Control box	Composite, PC-GF10 FR	
	Control electronics	PCB with SMD components	
	Control box heat sink	Aluminium	
2	Front foil	LEXAN 8A13F	
3	Stator housing	Aluminium, silumin	
4	Stator	Copper wire	
	Stator lamination	Laminated iron	
5	Push deblocking device		
	Plunger	Stainless steel	1.4404
	Spring	Stainless steel	1.4310
	Housing for spring	Stainless steel	1.4401
	Guide disc	Stainless steel	1.4401
	Housing for sealing	Stainless steel	1.4401
	Sealing	EPDM	

6	Radial bearing	Ceramics	
7	Rotor can	Stainless steel	1.4401
8	Shaft	Ceramics	
9	Rotor	NdFeB	
	Rotor tube	Stainless steel	1.4521
	Rotor cladding	Stainless steel	1.4401/1.4301
	Bush	Stainless steel	1.4301
10	Thrust bearing	Carbon	
	Thrust bearing retainer		
11	Screws	Steel, eco-lubric coated	
12	Bearing plate	Stainless steel	1.4301
13	Gasket	EPDM	
14	Impeller	Composite/PES 30 % GF	
15	Pump housing	Cast iron GG15	EN-GJL-150
		Stainless steel	1.4308
16	Neck ring	Stainless steel	1.4301
17	O-ring EPDM		

Additional materials: Screws and gaskets etc.: Various materials less than 5 % of weight.

