

# UPS Series 100, UPER, SOLAR

## End-of-Life Information

Grundfos UPS Series 100, UPER and SOLAR circulators must be disposed of according to local regulations by using a public or private waste collection service.

## Safety Risk

- Safety related to materials used
- **Caution: Persons with pacemakers who disassemble this product shall exercise care when handling magnetic materials embedded in the rotor.**

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

## Disassembly of the Product

The main materials of the components are:

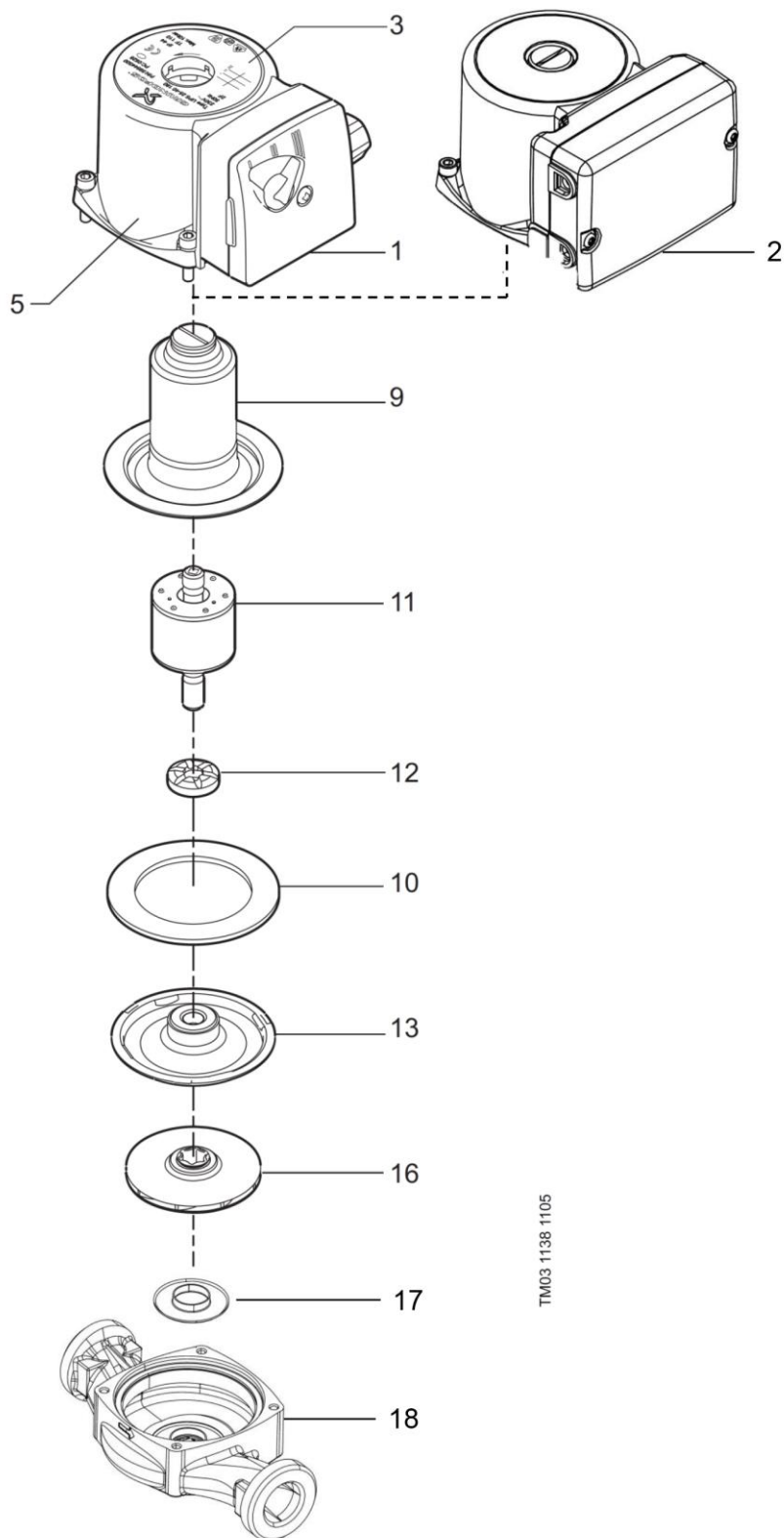
- Copper
- Cast Iron
- Aluminium
- Electronic components
- Composite materials

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.

Pos. no.	Designation	Material	Special disassembly considerations
1	Control box (UPS)	Composite	
2	Control box (UPER)	Composite	
	Control electronics	PCB with SMD components	
	Control box cooling cover	Aluminium	
3	Nameplate	Composite	
5	Stator housing	Aluminium	
5a	Stator	Copper wire	The stator is heat-shrink fitted into the stator housing
	Stator lamination	Laminated Iron	
9	Rotor can	Stainless steel	
	Radial bearing	Ceramics	The front-bearing is shrink fitted into the rotorcan
	Air-venting/ de-blocking screw	Brass, nickelled, Ms58	
	O-ring	EPDM	

10	Gasket	EPDM rubber	
11	Stop ring	PES 30 % GF	
	Shaft	Ceramics	
	Rotor	Laminated iron with copper rods	
	Rotor cladding	Stainless steel	
12	Thrust bearing	Carbon	
	Thrust bearing retainer	EPDM rubber	
13	Bearing plate	Stainless steel	
13a	Radial bearing	Ceramics	
16	Impeller	Composite/ PES 30 % GF	The impeller is shrink fitted onto the shaft
17	Neck ring	Stainless steel	
18	Pump housing	Cast iron	



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