

# UPM2, UPM2K, UPM GEO, SOLAR PM2

## End-of-Life Information

Grundfos UPM2, UPM2K, UPMGEO and SOLAR PM2 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

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	Spacer (only UPMGEO/2K)	Composite PET 30 % GF	
1b	Control box housing	Composite PET 30 % GF	
	Control box bottom	Composite PPE/PS 20 % GF	
	Control electronics	PCB with SMD components	
	Control box cooling cover	Aluminium	
2	Nameplate	Composite, PA 66	
3	Stator housing	Aluminium	
3a	Stator	Copper wire	The stator is heat-shrink fitted into the stator housing
	Stator lamination	Laminated Iron	
4	Air-venting/ de-blocking screw	Brass, nickelled, Ms58	
5	O-ring	EPDM	
6	Rotor can	Stainless steel	
6a	Radial bearing	Ceramics	The front-bearing is shrink fitted into the

			rotorcan
7	Gasket	EPDM rubber	
8	Stop ring	PES 30 % GF	
	Shaft	Ceramics	
	Rotor	Ferrite magnet (except for UPM GEO: NdFeB magnet)	
	Rotor cladding	Stainless steel	
9	Thrust bearing	Carbon	
	Thrust bearing retainer	EPDM rubber	
10	Bearing plate	Stainless steel	
10a	Radial bearing	Ceramics	
11	Split cone	Stainless steel	
12	Impeller	Composite/ PES 30 % GF	The impeller is shrink fitted onto the shaft
13	Neck ring	Stainless steel	
14	Pump housing	Cast iron	

