

UPML, UPMXL, SOLAR PML

End-of-Life Information

Grundfos UPML, UPMXL and SOLAR PML 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
1a	Spacer	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	
1c	Heat sink with cooling pad (only UPMXL)	Aluminium	
3	Nameplate	Composite, PA 66	
5	Stator housing	Aluminium	
5a	Stator	Copper wire	The stator is heat-shrink fitted into the stator housing

	Stator lamination	Laminated Iron	
6	Air-venting/ de-blocking screw	Brass, nickelled, Ms58	
7	O-ring	EPDM	
9	Rotor can	Stainless steel	
9a	Radial bearing	Ceramics	The front-bearing is shrink fitted into the rotorcan
10	Gasket	EPDM rubber	
11	Stop ring	PES 30 % GF	
	Shaft	Ceramics	
	Rotor stack	Laminated Iron	
	Rotor magnet	NdFeB	
	Rotor cladding	Stainless steel	
12	Thrust bearing	Carbon	
	Thrust bearing retainer	EPDM rubber	
13	Bearing plate	Stainless steel	
15	Split cone	Stainless steel	
16	Impeller	Composite/ PES 30 % GF	The impeller is shrink fitted onto the shaft
17	Neck ring	Stainless steel	
18	Pump housing	Cast iron	

