

# MS6000

## End-of-Life Information

Grundfos MS6000 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 risks

Safety risk related to materials used

- MS6000 contains motor liquid with monopropylene glycol.
- Hermetically sealed stator with embedding material – risk of explosion if exposed to temperature > 120 deg C.
- Grinding in SS poses risk of dust with Cr and Ni.

Safety risk related to handling the product

- Electrically burned motors can contain health hazardous substances formed by burning of various insulation materials.
- Motor and motor liquid can contain substances present in the media it has been in (pay attention in case of radioactive media – biological growth etc.)

## Disassembly of the product

- Submersible motor can be disassembled into main components using standard tools.
- Shaft can be pressed out of rotor core.
- Stator + rotor core can be recycled by use of shredder technology to separate the different materials, copper, SS, electro steel and insulation materials.

Designation	Name	Material	Special disassembly considerations
1	Sand shield + diaphragm	Rubber	
2	Shaft seal housing	SS casting	
	Motor liquid	Monopropylene glycol + water	
3	Shaft seal	Rubber + seal faces (silicium carbide and or ceramic/carbon)	
4	Shaft with rotor	Shaft extension in SS, rest in mild steel.	2 SS or tungsten carbide bearing bushes
	Rotor core	Lamination – electro steel Copper bars + copper short circuiting rings Pump in SS sheet steel	
5	Bearing bracket	Mild steel + carbon bushes	Press fit
6	Upper bearing pipe	SS + carbon bushes	Press fit

7	Thrust bearing rotating	Cast iron + ceramic ring	Glued
8	Thrust bearing stationary	Carbon shoes Mesh - SS 1.4301 Support – cast iron	Some contains antimon
9	Anti rotation brackets	Mild steel	
10	Shaft adjustment	Cast iron	
11	Bolts	Steel	
12	End shield	SS plate	
13	Hermetically sealed stator	Shell + end cover &nbsp;– SS 1.4301 Top – SS casting Embedding material – aluminium oxide and epoxy Winding wire – Insulated copper Stator lamination – electro steel Some stators with small PCB in top.	
	External bolts and nuts	SS grade	
<b>Additional materials:</b>			

