

MS402

End-of-Life Information

Grundfos MS402 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

- MS402 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 – tungsten carbide bearing areas present.
- Stator + rotor core can be recycled by use of shredder technology to separate the different materials, copper, SS, electro steel, aluminium and insulation materials.

Designation	Name	Material	Special disassembly considerations
1	Sand shield + diaphragm	Rubber	
2	Cover plate	SS 1.4301	
	Motor liquid	Monopropylene glycol + water	
3	Shaft	EN 1.4057	Bearing surfaces sprayed with tungsten carbide.
	Rotor	Lamination – electro steel Casting material – Al, Silumin or with copper. Ceramic disc glued to N-side	
4+9	Thrust bearing	Carbon shoes Mesh - SS 1.4301 Support ring – cast iron (9)	Some contains antimon
6	Radial bearing	Ceramic	

7	Bearing bracket	CED coated aluminium	
8	Height adjustment	SS 1.4301	
5	Hermetically sealed stator	Shell – SS 1.4301 Top – SS casting Embedding material – PUR Winding wire – Insulated copper Stator lamination – electro steel Radial bearings – ceramic Some stators with PCB in the top	
	Bolts and nuts	SS grade	
Additional materials:			

