RC

End-of Life Information

Grundfos RC pumps 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 related to materials used
  Product may contain a small quantity of refrigerant (volatile media, toxic, flammable, corrosive) and/or oil. Precautions against contact with refrigerants (inhalation) and oils shall be made. All product cavities shall be pressure equalised and vented to ambient air (outdoor) for at least 24 hours before dismantling of the pump is attempted. Personal safety equipment in the form of suitable gloves, safety glasses, etc. shall be used when pressure equalising and venting the pump. Pressure equalisation requires unscrewing of motor housing plug (2b on figure below). Venting requires opening of both inlet and outlet connections (1a and 1b on figure below) and motor housing plug (2b on figure below).

- Safety related to handling the product
  Care should be taken when handling the pump and it parts due to the weight.

Disassembly of the Product

The main materials of the components are:

- Stainless steel
- Copper
- Aluminium
- Composite materials

and it can therefore be recycled to a large extend – depending on the national possibilities for recycling.

The pump can essentially be dismantled completely using a 6 mm hexagonal key. Start by unscrewing the 16 bolts in the centre flange and separate the motor housing (Item C on figure below) from the pump sleeve (Item G). Use two of the bolts as jacking screws. Continue by separating the chamber stack with shaft and rotor (Item F) from the motor (Items C & D). Disassemble the motor by pulling out the rotor can (Item E) and the stator (Item D). Disassemble the chamber stack (Item F).

Pos. no.	Designation	Material	Special disassembly considerations
A	Cables (power, PTC)	Copper, rubber, stainless steel screen	
B	Motor housing end-plate	Stainless steel	
C	Motor housing	Stainless steel	
D	Stator	Copper, iron and isolation materials	The stator is shrink fitted in the motor housing
E	Rotor can w. flange	Stainless steel	
F	Rotor, shaft, chamber	Rotor: Iron and aluminium.	The rotor is shrink fitted to shaft

	stack	Shaft, chamber stack: Stainless steel. Bearings: Tungsten carbide (C9M) and Silicon carbide (SiC)	
G	Pump sleeve	Stainless steel	
H	Feet and lifting eye	Stainless steel	
Additional materials:		Screws, O-rings etc.: Various materials less than 5 % of weight.