

# Smart Digital

## End-of-Life Information

Grundfos Smart Digital 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.

To identify the specific product materials, please check the Type key available in the products nameplate as described in the corresponding Installation and Operating instructions.

## Safety Risk

Safety related to materials used

- The materials used in Smart Digital Pumps do not pose any health risk to the person handling them. Please observe the corresponding indications in the Installation and operating instructions for taking the product out of operation.

Safety related to handling the product

- The required safety measures for handling the chemical being dosed with this pump should be taken. The parts in contact with the fluid should be rinsed and cleaned before disposal in an environmentally sound way.
- The product should be taken out of operation according to the recommendations described in the Installation and operating instructions.

## Disassembly of the Product

Depending on the pump model, the materials of the product components are:

- Stainless Steel of different grades
- Thermoplastics of different compositions
- Elastomers of different compositions
- Composites
- Aluminium
- Electronic scrap

The pump is assembled using torx T15 and Hexagonal head screws and can be disassembled with standard tools.

Designation	Name	Material	Special Disassembly Consideration
1	Stepper motor	See producer's specification	
2	Cooling element	Aluminium	
3	Suction valve complete		
4	Valve ball, DN 4	Ceramic Al <sub>2</sub> O <sub>3</sub> 99.5 % or SS 1.4401	Only for pumps up to 7.5 l/h
5	Dosing head	PP or PVC or PVDF or SS 1.4435	
6	Safety diaphragm	EPDM	
7	Dosing head screws	SS 1.4301	M5 Hexagonal head screws

8	Diaphragm	Full PTFE	
9	Pressure sensor	Housing in PPO/PS , PCB	Only for DDA FC and DDA FCM pumps
10	Dosing head cover	PP or SS 1.4301	
11	Deaeration valve	PP or PVC or PVDF	
12	Deaeration valve O-ring	EPDM/FKM	
13	Discharge valve, complete		
14	Discharge valve O-ring	EPDM or FKM or PTFE	
15	Discharge valve ball, DN 8	Ceramic Al <sub>2</sub> O <sub>3</sub> 99.5 % or SS 1.4401	
16	Discharge valve seat	EPDM or FKM or PTFE	
17	Discharge valve ball cage	PP or PVC or PVDF or SS 1.4435	
18	Flange	PPO/PS 20 % glass fiber	
19	Energy recovery spring	EN 10270-2/VD SiCr	
20	Connecting rod	PA 6.6 30 % glass fiber	
21	Gear box	PPO/PS 20 % glass fiber	
22	Housing	PPO/PS 20 % glass fiber	Mounted with Torx T15 screws
23	Control cube	PPO/PS 20 % glass fiber	
24	Display cover	PC	Mounted with Torx T15 screws
25	Operation PCB	Electronic scrap	
26	Click wheel	PPO/PS 20 % glass fiber	
27	Hall sensor	Electronic scrap	
28	Power PCB	Electronic scrap	
29	Mounting plate	PPO/PS 20 % glass fiber	
30	Capacity adjustment knob	PPO/PS 20% glass fiber	
<b>Additional materials:</b>		Screws, connectors, etc.: Various materials less than 5% of weight	



