

Recycling and disposal instructions for Valmet Flow Control products

Neles, Neles Easyflow, Jamesbury, Stonel, Valvcon and Flowrox
Read these instructions before starting!

1. GENERAL

1. Before recycling or disposal of this product, or any component of this product, review the Technical Specs to determine the materials at involved and always recycle or dispose of the product only in accord with applicable legislation and in an environmentally friendly manner.
2. A device may have been in contact with a toxic or harmful medium. Take the necessary safety precautions and carry out the required cleaning operations.
3. Dismantle the device for part sorting. Read the installation, maintenance and operating instructions before dismantling. Observe the warnings in the instructions and the ones on the device.
4. Sort the dismantled parts according to their material. Most parts have material markings. Where the marking is missing, check the material in the parts list or in the material data provided further on in these instructions.
5. Forward the sorted parts according to common practice for recycling or disposal.
6. A device can also be returned to the manufacturer for recycling or disposal. We only accept devices that have been cleaned, i.e. a valve must be cleaned of medium. We charge for recycling according to the price list that is currently valid.

2. VALVES AND PUMPS

2.1 Valve and pump materials

Pressure containing valve parts and closing members have material markings. Part materials are also included in the parts list of a product.

Cast steel (stainless or carbon steel), ca. 90 %

- bodies, closing members Other steel parts, ca. 9 %
- stems, screws, nuts etc. Soft parts, <0.5 %
- gland and other seals

Cast or ductile iron, stainless steel or aluminium, ca. 75 %

- valve and pump bodies, pump rotors Steel parts, ca. 10-20 %
- stems, crankshafts, front covers, flanges, screws, nuts etc. Rubber parts < 10% depending on product.
- valves sleeve weight 5-10% and pumps hose weight about 2% of the assembled product.

2.2 Recyclable material

In general, 90-95 % of a valve and 98% of a pump is recyclable material.

2.3 Hazardous and harmful materials

Our products may contain Per- and polyfluoroalkyl substances (PFAS), such as PTFE (e.g. Teflon), in seats, bearings, and packing rings. PFAS may be considered a hazardous material in some jurisdictions. Recycle or dispose of PFAS components in accordance with local regulations.

Avoid burning the product. Combustion of paint and polymer components like PTFE will generate toxic fumes and gases.

3. ACTUATORS AND DRIVES

3.1 Actuator materials

Notice the instructions of actuator and drive manufacturer and their remarks for recycling and disposal.

Cast actuator components have material markings. Part materials are also included in the parts list of a product.

Cast iron, ca. 60 %

- housing, covers, cylinder ends, levers Other steel parts, ca. 25 %
- compression springs, welded housing etc. Aluminum, ca. 14 %
- cylinders, housing etc. Soft parts, <0.5 %
- seals, diaphragms, bearings

3.2 Recyclable material

More than 99 % of an actuator is recyclable material.

3.3 Hazardous and harmful materials

Our products may contain Per- and polyfluoroalkyl substances (PFAS), such as PTFE (e.g. Teflon), in bearings or sealing strips. PFAS may be considered a hazardous material in some jurisdictions. Recycle or dispose of PFAS components in accordance with local regulations.

Avoid burning the product. Combustion of paint and polymer components like PTFE will generate toxic fumes and gases.

4. VALVE CONTROLLERS, POSITIONERS AND LIMIT SWITCHES

4.1 Valve controller, positioner and limit switch materials

Most valve controller, positioner and limit switch parts have material markings. Part materials are also included in the parts list of a product.

Aluminum, ca. 65 %

- housings, covers, changeover pieces, prestages Stainless steel, ca. 25 %
- shafts, spool valves, screws and nuts Plastic, ca. 1 %
- covers, indicators, spool valve assembly parts Soft parts, <0.5 %
- O-rings, seals, diaphragms

4.2 Recyclable material

More than 90 % is recyclable material.

4.3 Hazardous and harmful materials

Our products may contain capacitors, soldering materials or per- and polyfluoroalkyl substances (PFAS), such as PTFE (e.g. Teflon), in soft parts. Recycling and disposal of these materials must be done in accordance with applicable regulations for electronic waste. PFAS may be considered a hazardous material in some jurisdictions. Recycle or dispose of PFAS components in accordance with local regulations.

Avoid burning the product. Combustion of paint and polymer components like PTFE will generate toxic fumes and gases.

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