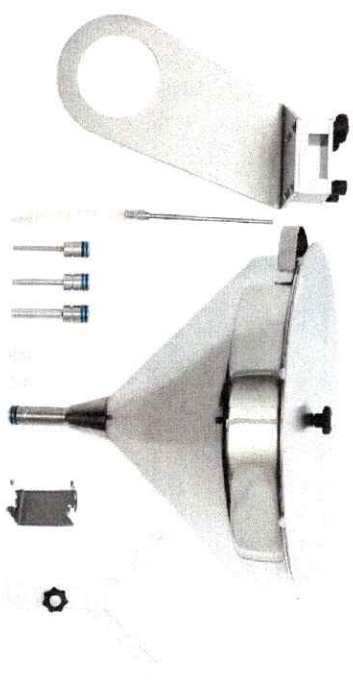


FILLOGY

FILLING EVOLUTION

MANUAL

FILLOGY Container Set Flowable S



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FILLOGY Container Set Flowable S

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EC declaration of conformity according to the machinery directive 2006/42/EC, annex IIa

EC declaration

The manufacturer / distributor

FILLING EVOLUTION GmbH
Leipziger Str. 33
01097 Dresden



hereby declares that the following product

Product designation: FILLING Container Set Flowable S
Year of manufacture: 2021
Description: Container Set Flowable S

The following EU directives were applied:

Directive 2006/42/EC
Directive 2014/30/EU
Directive 2011/65/EU

The protection goals of the following additional EU directives were observed:

Directive 2014/35/EU

The following EU regulations were applied:

Commission Regulation (EU) No 10/2011
Regulation (EC) No 1935/2004

Name and address of the company authorised to supply the technical documentation to put together:

FILLING EVOLUTION GmbH
Leipziger Str. 33
01097 Dresden

Place: Dresden

Date: June 01, 2021



Barbara Wandke (Managing Director)

Table of Content

1 General safety instructions	4
2 Delivery	5
2.1 Scope of delivery	5
2.2 Content control	6
3 Putting into operation	7
3.1 Cleaning	7
3.2 Assembly instructions	7
3.3 Structure of the machine and components	8
3.4 Measures against foaming	8
4 Warranty	9
5 EC declaration of conformity according to the machinery directive 2006/42/EC, annex IIa	10

1 General safety instructions

The safety instructions are generally valid for all FILLING EVOLUTION products.



Danger of hand injuries

Make sure that you do not get your hands, hair, clothing, etc. between rotating or other moving parts, e.g. gears, drive shafts, etc., while the machine is in operation.
In case of disassembly, e.g. when removing the pump head, or cleaning, the machine must be disconnected from the mains! In addition, the tool specified for the particular case must be used.



Risk of injury from electrical current

Protect the electronic connections on the power supply unit from moisture. Please ensure that all current-carrying cables or lines are laid in such a way that they cannot be damaged, crushed or the insulation damaged.
Never open the drive module, the power supply unit or any of the plugs.
In the event of disassembly, e.g. when removing the pump head, or cleaning, the unit must be disconnected from the mains! The machine is only to be used on tested and faultless power connections. If cables or plugs are damaged, have the machine repaired before further use, do not continue using it!



Risk of product contamination due to damaged wearing parts

After each completed filling process (or at least once a day), it is essential to clean and visually inspect the following components:

1. gears and pump head housing
 2. filling nozzles
 3. seals
 4. sealing rings
 5. tubes.
- Damaged parts must be replaced immediately using the specified tool.



Special note

This machine type is electronically controlled by a microcomputer. Although it is very unlikely, disturbances or malfunctions during further operation under the influence of strong electrical or electromagnetic fields cannot be excluded.
Should this happen, please proceed as follows:

- Switch off the machine,
- wait at least 10 seconds,
- Switch the machine on again,
- Perform factory reset if necessary.

4 Warranty

The warranty for the functionality of the FILLING EVOLUTION product **FILLOGY Container Set Flowable S** is 24 months from the date of delivery if used as intended as described in this manual.

The warranty is limited to demonstrable damage and malfunctions that are due to faulty processing in our company.

The company FILLING EVOLUTION GmbH is not liable for damages caused by improper handling, insufficient or irregular cleaning, improper use, incorrect installation or maintenance by unqualified personnel, unauthorized intervention of electrical, electronic or mechanical nature, improper transport or improper storage. If the warranty seal is destroyed, the warranty claim automatically expires.

Our liability is limited to damage to the device. No liability is accepted for consequential damage. Claims for damages are therefore excluded.

Wearing parts are excluded from the statutory warranty obligation.

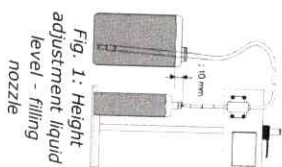
Warranties are provided exclusively by the manufacturer and include spare parts and work performance. Wearing parts are not subject to the warranty. The manufacturer is responsible for the type and scope of a warranty service.

filling tube is slightly immersed in the product. This method is also very suitable against foaming and splashing of low-viscosity products. For more information, see chapter Commissioning: Measures against foaming.

3.3 Structure of the machine and components



The liquid level of the storage container must always be at least 10 mm below the filling nozzle (see Fig. 1), otherwise the product will drip from the filling nozzle due to the static pressure. A formation of drops due to static pressure is a physical condition and cannot be influenced by the pump head.



3.4 Measures against foaming

Depending on the product, foam may form in the container during filling. Recommendations for avoiding foam generation:

Adjust the start and end ramp

Using the ramp function, the speed can be reduced at the beginning and towards the end of the filling process.

For explanations and settings of the ramps, see manual "FILLGY Basic" chapter *Operation: operating modes: Auto mode*

Reduce the filling speed

To prevent the formation of foam, filling should be done as slowly as possible.

Adjust the filling pipes

The largest possible filling pipe with a suitable filling nozzle should always be used.

Use sieve nozzles

By using a sieve nozzle, filling can be carried out with a softer beam. **Caution:** The sieve nozzles work only in particle-free, pre-filtered products. In products containing particles, the sieve nozzle can become clogged.

Use laminar nozzle with sieve (see Fig. 2),

optionally available as accessories.

- Laminar nozzle with sieves, Ø 15 mm (Art. 30609000)

- Laminar nozzle with sieves, Ø 20 mm (Art. 30609100)

Using the laminar nozzle it is possible to fill with a smooth, consistent jet.



Fig. 2: Laminar nozzle with sieves

Bottom filling for strongly foaming products

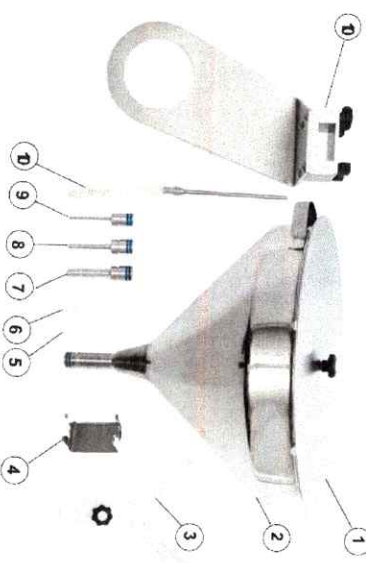
For this purpose, we offer our optional lifting module (Art. 303049). The module can be used either mounted on a stand or connected to a turntable. It permits a very effective, automatic filling.

You can find more information about this topic on our website.

2 Delivery

2.1 Scope of delivery

Scope of delivery basic equipment FILLGY Container Set Flowable S, accessories according to delivery note.



Pos.	Amount	Description	Art.-Nr.	Wear part
1	1 pc.	Lid for funnel SI	30502400	
2	1 pc.	Funnel SI for micro dosage	30815300	
3	1 pc.	Y-bracket for micro dosage	30707200	
4	1 pc.	Wedge nozzle, inner-Ø 10 mm, soft	30601100	x
5	1 pc.	Wedge nozzle, inner-Ø 10 mm, hard	30603200	x
6	1 pc.	Filling pipe, outer-Ø 10 x 50 mm, with connector	30601700	x
7	1 pc.	Filling pipe, outer-Ø 6 x 50 mm, with connector	30604500	x
8	1 pc.	Filling pipe, outer-Ø 4 x 50 mm, with connector	30604400	x
9	1 pc.	Adapter Ø 10 mm for priming and cleaning pump	30611200	
10	1 pc.	Support for funnel SI/ container SI and pump head S	30503700	



Wear parts in particular seals are excluded from the warranty. All wearing parts in particular seals must be checked regularly for damage and wear and replaced if necessary. Porous, leaking or worn parts must be replaced immediately. Operation with defective parts can have a negative effect on the service life, electronics,

mechanics and functionality of the machine as well as on the quality of your product to be filled.

The service life of the wearing parts depends, among other things, on the product to be filled, the duration and type of use and the ambient conditions (temperature, aggressive vapours, etc.).

Before assembly, grease all O-rings. This is best done with vaseline.

2.2 Content control

All deliveries are carefully checked for completeness and intactness by means of our outgoing controls. Nevertheless, we recommend that you check the delivery immediately after unpacking the machine for completeness according to your **delivery note** and with the help of the respective picture above.

Missing parts or damage must be reported to FILLING EVOLUTION GmbH in writing immediately - at the latest within two working days after delivery. We ask for your understanding that after this period we can no longer grant a claim for exchange or subsequent delivery of parts at our company's expense.

3 Putting into operation

3.1 Cleaning



For hygienic reasons we strongly recommend that all parts with direct contact to the product should be cleaned before initial use and generally after each use. The parts can be cleaned by hand or in the dishwasher. The use of pH-neutral dishwashing detergents is recommended.

3.2 Assembly instructions

Mount the container holder by means of the clamping piece on the stand above the drive module with some distance. Then hang the container / funnel into the container holder. Afterwards, the height of the container / funnel must be readjusted as follows, that the funnel outlet carefully pushed only to the point where the clip of the pump head engages in the groove of the funnel outlet and the filling tube.

Make sure that the outlet of the hopper does not come into contact with the gears.

Depending on the product to be filled, the filling pipes and nozzles matching the pump head are supplied.

A general distinction is made between two different types of filling pipes. There are filling pipes with a flange and filling pipes with a nozzle.

The assembly of the filling pipes with connector is explained below:

For highly viscous and lumpy products, the filling tube is used without a filling nozzle.

A distinction is made between two different types of filling nozzles. There are hard filling nozzles and soft filling nozzles.

Hard filling nozzles are used for cold or hot filling of highly viscous products, such as mustard, spreads, yoghurt. They are also used when the filling stream must be cut off from the nozzle.

Soft filling nozzles are used for cold filling of low-viscosity products, e.g. syrup, shower gel.

Use of the sieve nozzles

The sieve nozzles are to be used without wedge nozzles and screwed into the filling tube with thread by means of the thread.

The use of a sieve nozzle makes it possible to fill with a softer jet. This reduces the formation of foam when filling highly foaming products.



The screen nozzles only work with low-viscosity, particle-free (or pre-filtered) products. Products with particles or highly viscous products would cause clogging or build-up of the product in the screen nozzle.

Filling below the level

With very high-viscosity products, air can be trapped in the container. In order to prevent this, manual below-the-surface filling can be carried out.

To do this, the container is held so far below the filling tube that it almost touches the bottom of the container. During the filling process, the container is lowered so that the