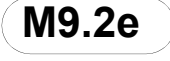



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Pump hose

1 Introduction

These mounting instructions put you in the position to install and replace the pump hose of the servo pump safely as intended.

- > Please read these mounting instructions carefully before installing or replacing the pump hose.
- > Keep these mounting instructions readily available at all times.
- > Observe all of the warnings and safety instructions in these mounting instructions at all times.
- > In addition, observe the original instruction manual of the automatic feeder and the SynchroFeed feeding station.


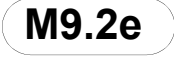

2 For your safety

2.1 Target group

2.1.1 Necessary qualifications of the service technician

Only trained service technicians are authorized to install and replace the pump hose.




Service technicians are electricians with appropriate qualifications, i.e. they are able to assess the work assigned to them and detect potential risks on the basis of their technical training as well as their knowledge of the relevant standards. This also includes knowledge of relevant accident prevention

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regulations, generally accepted safety regulations, EC guidelines and country-specific standards and provisions.

2.2 Indication of hazards

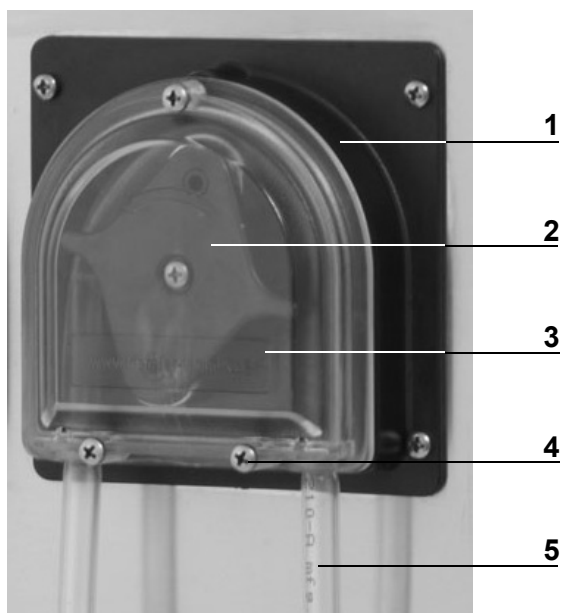
Dangers are indicated by a key word and a corresponding sign, depending on the severity and probability.

	Danger! For an imminent danger, resulting in serious injuries or death.
	Warning! For a potentially dangerous situation which may cause serious injuries or even death.
	Caution! For a potentially dangerous situation which may cause minor injuries or material damage.
Attention	For a potentially harmful situation in which the product or an item can become damaged within its environment.
Note	For application notes and other useful information.

However, it is just as important to observe any other notes and information which are not highlighted to avoid failures which, in turn, may cause direct or indirect injuries or material damage.

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3 Installing the pump hose




1 Housing	4 Mounting screw
2 Rotor	5 Pump hose
3 Transparent cover	

At first delivery of the servo pump, the pump hose is not installed into the servo pump. To install the pump hose, proceed as follows:

⚠ WARNING **Danger of serious injury due to unexpected start-up!** Disconnect the servo pump from the mains before replacing the pump hose. Make sure you put the transparent covering onto the servo pump before connecting the servo pump to the mains.

1. Pull the mains plug of the automatic feeder resp. of the control of the servo pump.

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- Loosen the screws on the casing and remove the transparent covering.
- Apply a thin layer of the supplied silicone grease to the entire inner rim of the pump housing. To do so, turn the rotor counterclockwise.



ATTENTION Use only the supplied silicone grease. Another silicone grease can damage the pump housing and the pump hose.


Note: if there is already silicone grease in the pump housing, you can skip this step.

- Clamp the pump hose contained in the scope of delivery between the casing and the rotor roller. Turn the rotor counterclockwise until the pump hose is located at the centre of the roller.

Note: To facilitate connection of the suction hoses, make sure that both pump hose ends are of equal length.

ATTENTION Make sure that the pump hose is not distorted. The pump hose must lie on the pump housing in the top half (range of the rotor).

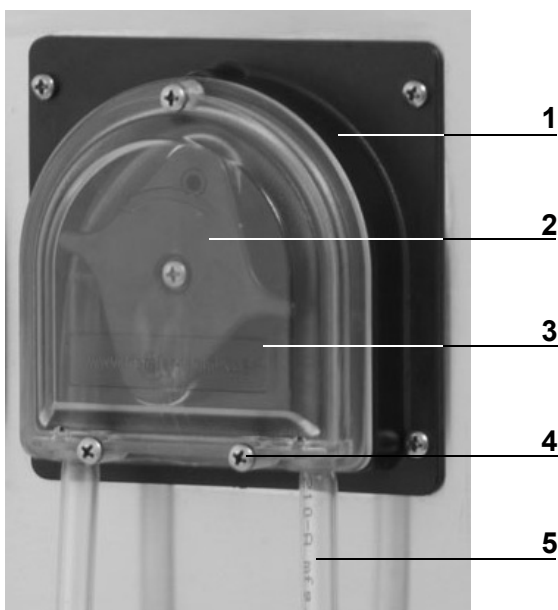
- Refit the transparent cover and tighten the screws.

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6. Reconnect the automatic feeder or the control for the servo pump to the mains.
7. Calibrate the pump. Please observe the original operating manual for the automatic feeder.

4 Replacing the pump hose


4.1 Pump since 2013



1 Housing	4 Mounting screw
2 Rotor	5 Pump hose
3 Transparent cover	

To replace the pump hose, proceed as follows:

⚠ WARNING **Danger of serious injury due to unexpected start-up!** Disconnect the servo pump from the mains before replacing the pump hose. Make sure you put the transparent

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covering onto the servo pump before connecting the servo pump to the mains.


1. Pull the mains plug of the automatic feeder resp. of the control of the servo pump.
2. Loosen the screws on the casing and remove the transparent covering.
3. Position the rotor of the servo pump at right angles to the housing opening (there is only one roller directly on the housing) and remove the old pump hose by turning the rotor anticlockwise.
4. Remove the layer of silicone in the pump housing with a **dry cloth**.

ATTENTION Do not use detergent or other chemical agents, the pump housing and the pump hose can be damaged.

5. **New as of July 2016:** Apply a thin layer of silicone grease to the entire inner rim of the pump housing. To do so, turn the rotor counterclockwise.



ATTENTION Use only the supplied silicone grease. Another silicone grease can damage the pump housing and the

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pump hose. If appropriate, order the silicone grease at Förster-Technik.

- Clamp the pump hose contained in the scope of delivery between the casing and the rotor roller. Turn the rotor counterclockwise until the pump hose is located at the centre of the roller.

Note: To facilitate connection of the suction hoses, make sure that both pump hose ends are of equal length.

ATTENTION Make sure that the pump hose is not distorted. The pump hose must lie on the pump housing in the top half (range of the rotor).

- Refit the transparent cover and tighten the screws.
- Reconnect the automatic feeder or the control for the servo pump to the mains.
- Calibrate the pump. Please observe the original operating manual for the automatic feeder.

Service info

Pump hose

Re:

Servo pump

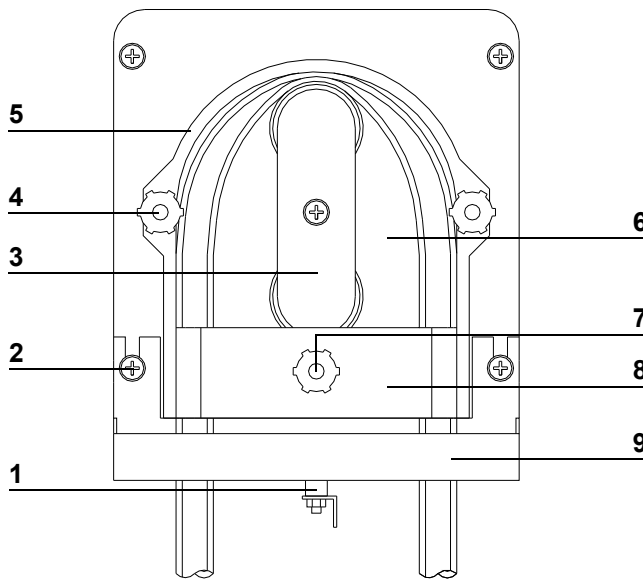
Date

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Installation and replacing




4.2 Pump until 2013



1	Coupler for leak electrode (solely with leak detection)
2	Screw for drip cup (solely with leak detection)
3	Rotor
4	Knurled screw on the casing
5	Casing
6	Transparent covering
7	Knurled screw for clamp
8	Clamp
9	Drip cup (solely with leak detection)

To replace the pump hose, proceed as follows:

⚠ WARNING **Danger of serious injury due to unexpected start-up!** Disconnect the servo pump from the mains before replacing the pump hose. Make sure you put the transparent



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covering onto the servo pump before connecting the servo pump to the mains.

1. Pull the mains plug of the automatic feeder resp. of the control of the servo pump.
2. With leak detection (otherwise continue with step 3): Remove the plug of the leak electrode as well as the hose connecting pieces at the drip cup.
3. Loosen the red knurled screw to remove the clamp on the casing of the servo pump.
4. Loosen the knurled screws on the casing and remove the transparent covering.
5. Turn the rotor of the servo pump into vertical position to the opening of the casing (only one roller touches the casing) and remove the old pump hose.
6. With leak detection (otherwise continue with step 7): Loosen the screws of the drip cup and remove them. Remove the old pump hose.
7. Apply a thin layer of the supplied silicone grease to the entire inner rim of the pump housing. To do so, turn the rotor counterclockwise.

ATTENTION Use only the supplied silicone grease. Another silicone grease can damage the pump housing and the pump hose. If appropriate, order the silicone grease at Förster-Technik.

8. Clamp the pump hose contained in the scope of delivery between the casing and the rotor roller. Turn the rotor coun-

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terclockwise until the pump hose is located at the centre of the roller.

Note: To facilitate connection of the suction hoses, make sure that both pump hose ends are of equal length.

ATTENTION Make sure that the pump hose is not distorted.

9. With leak detection (otherwise continue with step 10): Pull the pump hose ends into the appropriate holes of the drip cup and reconnect the hose connecting pieces as well as the plug of the leak electrode.

10. With leak detection: Mount the drip cup and tighten the screws (this is important for the contact).

11. Reattach the clamp to the casing and tighten the knurled screw.

ATTENTION After tightening, the pump hose must touch the pump casing (running path of the rotor) in the upper half.

12. Remount the transparent covering and tighten the knurled screws.

13. Reconnect the automatic feeder resp. the control of the servo pump to the mains.

14. Calibrate the pump. Please observe the original operating manual for the automatic feeder.