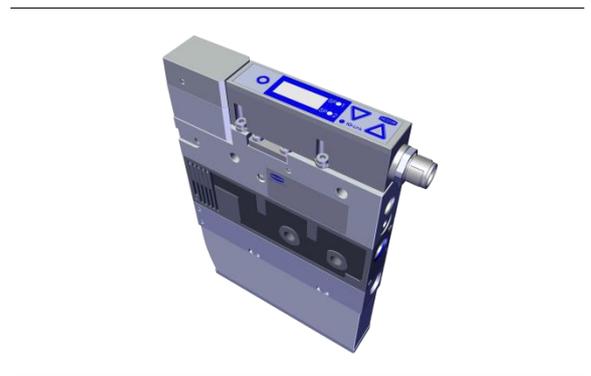


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Ejector SCPI

Maintenance Instructions

Published by

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1 Important information

1.1 Note on using this document

In these maintenance instructions, J. Schmalz GmbH is generally referred to as Schmalz.

These maintenance instructions contain important notes and information about the different operating phases of the product:

- Transport, storage, start of operations and decommissioning
- Safe operation, required maintenance, rectification of any faults

The maintenance instructions describe the product at the time of delivery by Schmalz.

1.2 The technical documentation is part of the product

1. For problem-free and safe operation, follow the instructions in the documents.
 2. Keep the technical documentation in close proximity to the product. The documentation must be accessible to personnel at all times.
 3. Pass on the technical documentation to subsequent users.
- ⇒ Failure to follow the instructions in these maintenance instructions can lead to life-threatening injuries!
- ⇒ Schmalz is not liable for damage or malfunctions that result from failure to heed these instructions.

If you still have questions after reading the technical documentation, contact Schmalz service at:

www.schmalz.com/services

1.3 Warnings in this document

Warnings warn against hazards that may occur when handling the product. This document contains two levels of danger that you can recognize by the signal word.

Signal word	Meaning
WARNING	Indicates a medium-risk hazard which, if not avoided, could result in death or serious injury.
NOTE	Indicates a danger that leads to property damage.

1.4 Symbols



This sign indicates useful and important information.

- ✓ This symbol represents a prerequisite that must be met prior to an operational step.
- ▶ This sign represents an action to be performed.
- ⇒ This sign represents the result of an action.

Actions that consist of more than one step are numbered:

1. First action to be performed.
2. Second action to be performed.

1.5 Warranty

IMPORTANT!

A warranty claim can only be accepted by Schmalz if the ejector has been installed and used in accordance with the corresponding operating instructions. In the case of inappropriate handling or use of force, any warranty and liability claims shall be void.

Damage and defects resulting from inadequate maintenance and cleaning, improper use, repair or attempted repair by unauthorized persons, as well as damage and defects resulting from alterations or modifications to the ejector and from replaced parts or materials that do not conform to the original specification are excluded from the warranty.

2 Safety

Maintenance work may only be carried out by qualified personnel.



⚠ WARNING

Risk of injury due to incorrect maintenance or troubleshooting

- ▶ Check the proper functioning of the product, especially the safety features, after every maintenance or troubleshooting operation.
-



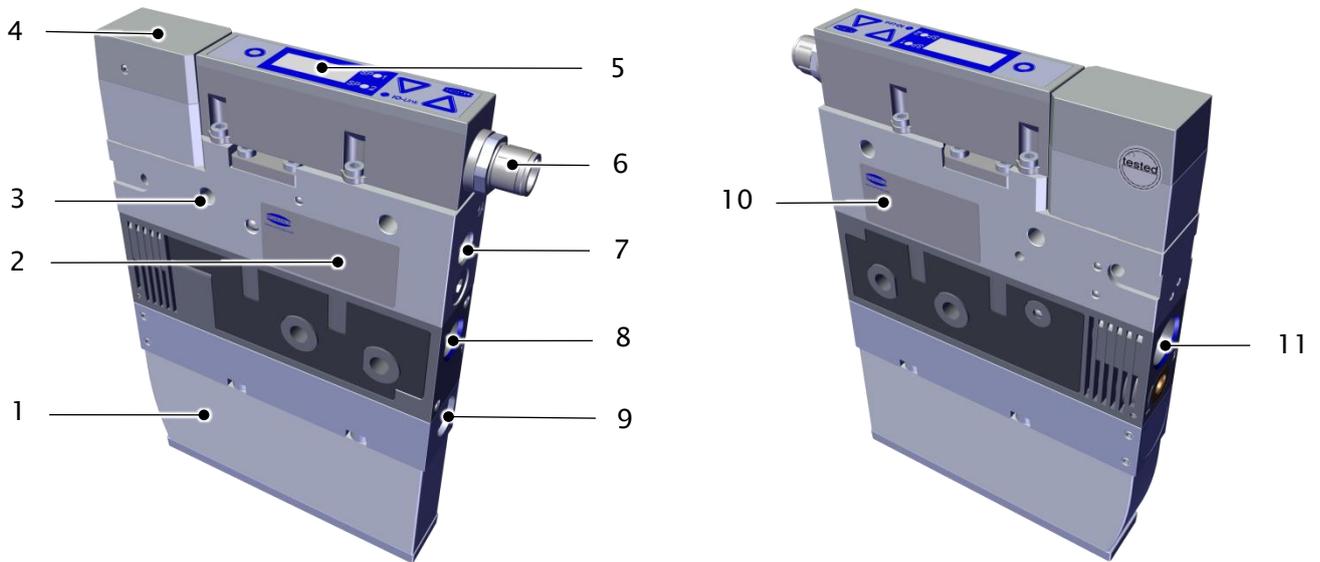
NOTE

Improper maintenance

Damage to the ejector!

- ▶ Switch off the supply voltage before any maintenance.
 - ▶ Ensure that it cannot be switched back on.
 - ▶ The ejector must always be operated with a silencer.
-

3 Ejector components



1	Silencer	2	Type plate 1
3	4x mounting holes	4	Position of pneumatic controller
5	Vacuum switch with control and display element	6	Electrical connection, M12, 5-pin
7	Compressed air connection 1A (blow off)	8	Compressed air connection 1 (suction)
9	Bypass for exhaust air	10	Type plate 2
11	Vacuum connection		

4 Replacing the silencer

This manual provides you with all the necessary information to replace a silencer on an SCPi.

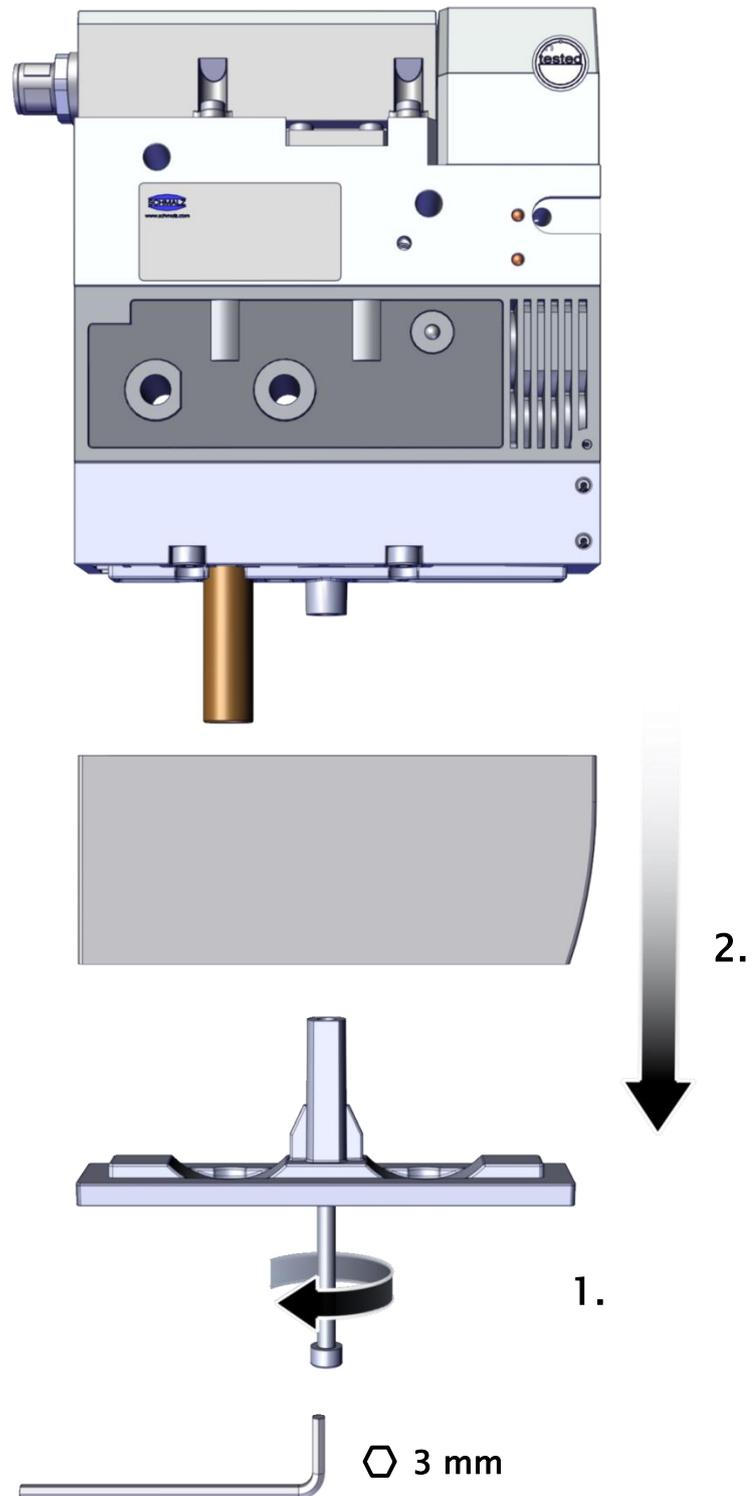
4.1 Accessories, wearing parts set

Article/part number	Designation	Description
10.02.02.03381	SD 111x21x45 SMPi/SCPi	Silencer (cuboid) SD 111x21x45 SMPi/SCPi

4.2 Replacing the silencer

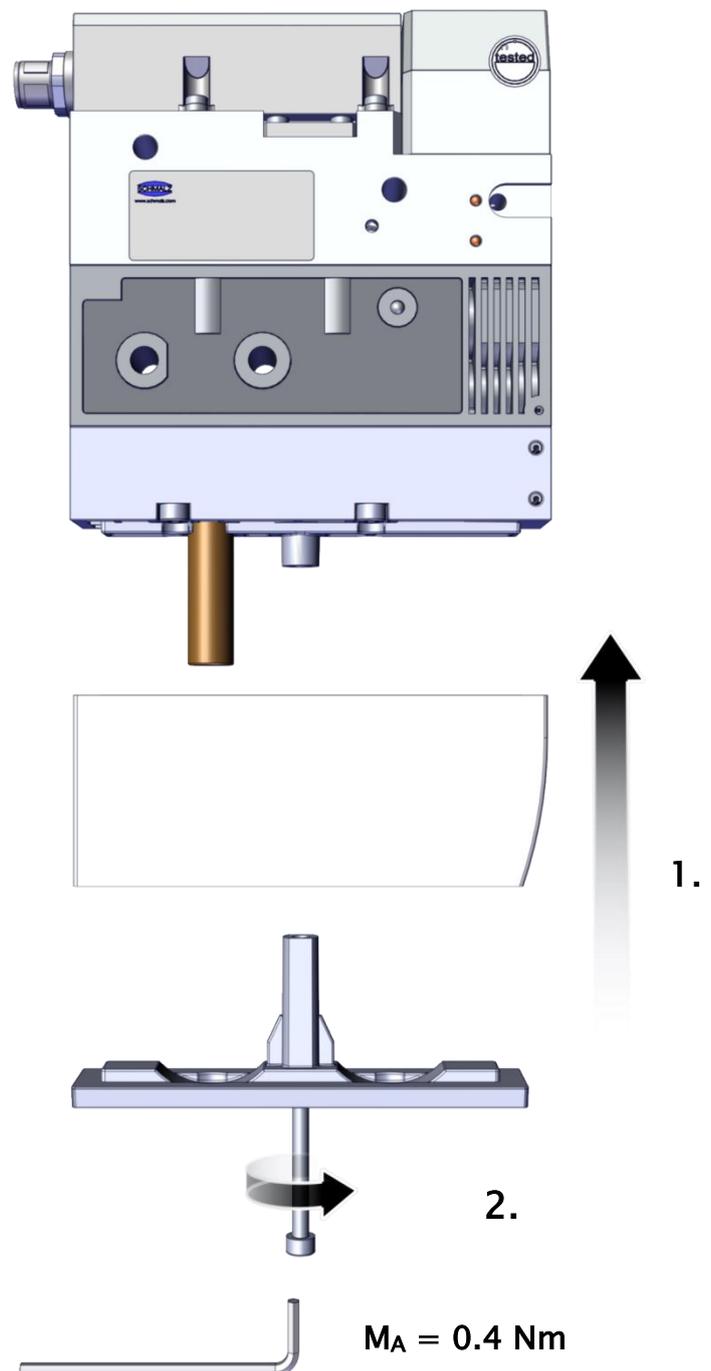
- ✓ The ejector is disconnected from the compressed air supply and the power supply.
- ✓ The vacuum and compressed air system is subjected to atmospheric pressure.

1. Loosen the fastening screws
2. Pull the cover and silencer downward to remove them



4.3 Mounting the silencer

1. Attach the new silencer element to the basic body of the ejector
2. Tighten the fastening screw (0.4 Nm tightening torque)



4.4 Connecting the SCPI to the compressed air and power supply



⚠ WARNING

The silencer is not secured with the fastening screw.

When compressed air is supplied, individual components are accelerated and fly around. There is a risk of injury.

- ▶ Install and tighten the fastening screw with a tightening torque of 0.4 Nm before switching the ejector on again.
-

1. Secure the SCPI at the place of use.
2. Connect the compressed air and vacuum.
3. Mount the electrical connections.
4. Switch on the SCPI via the control unit.

4.5 Checking for correct installation and function

Check for proper installation and function before starting the handling process.

Wir sind weltweit für Sie da



Hauptsitz

Schmalz Deutschland – Glatten

Vertriebspartner

Den Schmalz Vertriebspartner in Ihrem Land finden Sie auf:
WWW.SCHMALZ.COM/VERTRIEBSNETZ

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Vakuum-Automation

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Handhabung

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