

Operating Instructions

Pneumatic Needle Scaler



WARNING

In order to reduce the risk of injury, the operating instructions and safety regulations must have been read and understood!



Please read the operating instructions in full and for your own safety follow all of the instructions contained therein.

Store the manual in a secure location.

Attention!

Remember that in accordance with the safety provisions of the Machinery Directive, a compressed air connection must not be made directly to the air inlet of the compressed air machine. Plug-in sleeves with pressed ends, screwed into the air inlet of the device provide the greatest level of safety.



Scope of delivery

Open the packaging and check the contents.

- 1 x compressed air device
- 1 x dehumidifier
- 1 x safety regulations
- 1 x EC Declaration of Conformity
- 1 x operating instructions
- 1 x technical specifications
- 1 x spare parts list

Function of needle scaler

- The needle scaler is a compressed-air device and is used for working and derusting sheet metal or steel parts.
- Never use the needle scaler for any other purpose.
- Please observe the safety regulations!

Application of needle scaler

When working with compressed air devices, observe the safety regulations!

The structure of the needle scaler is shown in detail in the spare parts list.

Essentially, the needle scaler consists of the following main components:

1. Needle housing:

Holds and guides the needles.

2. Trigger

Starts the device.

Information for operation

- Connect device to the compressed air supply.
- Insert the needle assembly. There should be no resistance when inserting the needle assembly into the mount, or when screwing it on.
- To secure the needle assembly against falling out, firmly tighten the lateral clamping screw.
For the GN5 model, rotate the locking ring.
Soiling might result in the needle assembly getting jammed. In this case it may be useful to spray a little lubrication oil into the mount, and to tap lightly on the needle assembly with a rubber mallet. Make sure to clean all components after successful disconnection.
- The machine starts when the trigger is pulled. The machine stops when the trigger is released again.
- Always hold the machine firmly by hand to ensure correct function.
- **Attention!** Use only needles and needle inserts in perfect working condition. Replace worn needles immediately.
- The needle assembly and the main device must always be aligned to ensure safe and proper function. Never use the needle scaler for purposes for which it was not designed. Doing so might destroy the needle scaler, needle assembly or needles.
- The performance of the needle scaler depends on many factors:
If the air flow pressure is below 6.2 bar, impact performance will be affected.
A worn mount or worn needles will reduce impact performance.
Impact performance varies with different applications.

Maintenance

When servicing the needle scaler, observe the environmental regulations under local law.

To achieve a longer lifetime, the manufacturer recommends annual professional maintenance by trained, qualified personnel of your service partner.

If you have any questions, please contact the manufacturer.

Lubrication of the axial piston motor

Disconnect the needle scaler from the compressed air to prevent accidental activation.

The piston must be lubricated to ensure proper functioning of the mechanics.

1. Use only mist lubricant approved by the manufacturer
2. Before lubricating, remove any external dirt.
3. Clean the air inlet of dirt before oiling
4. Insert mist lubricant (approx. 2–3 drops) into the air inlet, while keeping the trigger pressed
5. Let the machine briefly run in impact mode at lowest power setting

The frequency of lubrication and quantity of oil depend on how the machine is used. A need for maintenance is indicated by decreasing performance of the machine. Maintenance must be carried out no later than that.

Attention!

Maintenance of the needle scaler may only be carried out by qualified personnel.

Repairs should only be carried out by the service partner of the manufacturer.

Disposal

When disposing of the device, comply with applicable local legislation. Remember that incorrect disposing of lubricants causes environmental damage.

We accept no liability or warranty for damage or injuries resulting from improper use or misuse or failure to comply with the safety information.

The device must only be used for the applications described.

Any other use is prohibited.