

WÖHLER

**Bedienungsanleitung
Wöhler Biegewelle Lüftung M5**

DE

**Operation Manual
Wöhler Rotary Viper M5**

EN



Best.-Nr. 23580 – 2024-07-11

Technik nach Maß

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1 General Information

1.1 Operation Manual Information

This operation manual allows you to work safely with the Wöhler Rotary Viper. Please keep this manual for your information.

The Wöhler Rotary Viper is to be used by professionally trained personnel exclusively for the purpose for which it was designed.

Liability is void for any damages caused by not following this manual.

1.2 Notes



WARNING!

Not following this warning can cause injury or death.



ATTENTION!

Not following this note can cause permanent damage to the device.



NOTE!

Useful information

1.3 Intended Use

The Wöhler Rotary Viper can be used for narrow bends in ventilation pipes with round profiles from Ø 63 mm and flat oval profiles from 50 x 100 mm. It can also be used in ducts, connectors and boilers. A mains powered or rechargeable-battery powered drill is used to rotate the threaded cleaning attachments (brush heads and wipe heads). The scope of supply does not include a drill.

1.4 Scope of supply

| Meter | Basic equipment |
|------------------------|-----------------------------------|
| Wöhler Rotary Viper M5 | Rotary Viper M5; 15 m or 5 m long |
| | Perlon brush head Ø 140 mm |
| | Adapter for wipe heads |
| | 2 wipe heads each Ø 150 mm |

1.5 Transport and storage

! ATTENTION!

The device may be damaged if improperly transported or stored!

- Observe the smallest bending radius of 12 cm when storing and transporting.
- Ensure the rotary viper is not exposed to direct sunlight over a very long period of time when being stored, as this can damage the protective sheath.

1.6 Manufacturer

Wöhler Technik GmbH

2 Specifications

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| Rotary viper | |
|-------------------------------------|------------------------------------|
| Length | 15 m or 5 m |
| Max. torque | Clockwise rotation: 3 Nm |
| | Anticlockwise rotation: 1.5 Nm |
| Failure moment | Clockwise rotation: 9 Nm |
| | Anticlockwise rotation: 4.5 Nm |
| Max. speed | Clockwise rotation: 1300 rpm |
| | Anticlockwise rotation: 650 rpm |
| Smallest bending radius | 120 mm |
| Coat | Material: PA |
| | Ø 12 mm |
| Connection for cleaning attachments | M5 thread |
| Operating temperature | 0 - +80°C |
| Brush head | |
| Dimension | Ø 140 mm |
| Material | Perlon |
| Wipe head | |
| Dimension | Ø 150 mm |

3 Overview



Fig. 1: Components of Wöhler Rotary Viper Duct

Legend

- 1 Rotary Viper
- 2 Connection to drill
- 3 Connection to cleaning attachments
- 4 Cleaning attachment, here: Perlon brush head

4 Preparing for use

4.1 Connecting a perlon brush head



Abb. 5: Connection to cleaning attachment; notch marked with an arrow

- Place the brush head on the cleaning attachment connection, see Fig. 1, part 4.



NOTE!

Below the thread there is a notch. Please note the respective recess when placing the brush head on the notch.

- Screw on the locknut M5 to attach the brush head.

4.2 Connecting wipe head



Abb. 6: Wipe head connected to rotary viper

The wipe head allows a dust-free cleaning of the inner pipes surface.



Abb. 7: Wipe head adapter, left: bottom, right: top

- Screw the bottom of the wipe head adapter on the cleaning attachment connection, see Fig. 1, part 4.
- Place the wiping leather on it.
- Fix the wiping leather with the top of the wipe head adapter.

4.3 Connecting the power drill



WARNING!

If the brush suddenly becomes blocked, there is a risk the power drill will be ripped violently out of your hands. Consequently, we recommend to use a power drill with a torque clutch.

- Insert the power drill connector of the rotary viper into the drill chuck. Observe the instructions in the operating manual belonging to the power drill and obey the safety instructions in particular.

5 Using the rotary viper

- Before using, unroll the rotary viper fully.
- Power on the power drill to make the cleaning attachments rotate.



ATTENTION!

The rotary viper must only rotate clockwise. If it rotates anticlockwise, there is a risk the attached brush will work loose.

Clockwise direction of rotation: Max. 1 300 rpm with cleaning attachment

Anticlockwise direction of rotation: Max. 650 rpm with brush head



ATTENTION!

Friction will cause the temperature of the sheath to rise if the rotary viper is used for longer periods of time. Ensure the specified operating temperature of 80°C is not exceeded, otherwise the sheath of the rotary viper will be damaged.



ATTENTION!

Do not tread on the rotary viper when it is in use. Do not allow it to strike against the floor. That could damage the sheath of the rotary viper and degrade its anti-friction properties.



ATTENTION!

Avoid overloading: If the cleaning attachment can no longer rotate in a pipe, stop the rotary viper rotating and push it through the pipe to be cleaned without any rotation. Rotate the cleaning attachment of the rotary viper first when you are pulling it back.

6 Maintenance

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The Wöhler rotary viper M5 requires very little maintenance. The bearings in the end pieces are self-lubricating. The core is sufficiently greased with high-quality graphite lubricant.

After it has been in use for a long time it is possible that the grease in the core will need to be replenished. This will become noticeable by the protective PA sheath becoming unusually warm. It should be returned to the factory for the grease to be replenished.

7 Guaranty and Service

7.1 Guaranty

Each Wöhler Rotary Viper M5 will be tested in all functions and will leave our factory only after extensive quality control testing.

If used properly, the warranty period for the Wöhler Rotary Viper will be 12 month from the date of sale.

Not covered by the warranty are cleaning attachments (brush head made of Perlon or threaded brush), because they are consumables.

This warranty does not cover the freight and packing costs when the device is sent to the factory for repair.

Service by non authorized personnel or making modifications to the analyzer voids any warranty.

7.2 Service

Excellent SERVICE is very important to us. Therefore, of course, we are readily available to assist you after the warranty period ends.

- When you send your meter to us, we will repair it within a few days and return it via our trusted parcel carrier.
- Immediate help is provided by our technical staff over the telephone.

8 Accessories

Brush Head, Perlon

Best.-Nr. 4169

Wipe head adapter

Best.-Nr. 4139

Wipe head inlay 150 mm Ø, 10er Pack

Best.-Nr. 4185