

# ***WÖHLER***

PRODUCTS FROM THE MANUFACTURER  
**Measure | Inspect | Clean**

*The Measure of Technology*



Your professional work is more important today than ever before, because a building solidly and safely tested helps to save energy and that means lower costs and fewer emissions. We help make your work more effortless with our advanced equipment made in Germany. Technology that you always can rely on. Wohler Service Cameras, smart measuring devices and robust tools offer the perfect solution for all your applications, so that you work quickly and professionally.

Our devices are developed and produced at our state of the art factory so that we are able to monitor and guarantee the highest quality equipment .

Our Wohler products inspire our customers all over the world to provide unsurpassed service to their customers.

A handwritten signature in blue ink that reads 'Elmar Schrader'. The signature is fluid and cursive, with the first name 'Elmar' and the last name 'Schrader' clearly distinguishable.

**Elmar Schrader**

Executive Director | International Business

**Measuring Instruments Flue Gas Analysis****8 – 43**

Flue Gas Analysis | Suspended Particulate Matter Measurement | Soot Testing | Wood & Building Materials Moisture Measurement | Leakage Testing | Dew Point Indication

**Measuring Instruments Heating****44 – 65**

Differential Pressure | Gas Pipe Testing | Leak Detection of Gas Pipes | Heating Water Quality Analysis | Chimney Leakage Tester

**Measuring Instruments Building / Ventilation****66 – 109**

Airtightness Check of Building Envelope | Leakage Testing on Ventilation Systems and Components | Pressure and Flow | Indoor Air Quality Assessment | Leakage Testing on Waste Water Pipes

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HD Visual Inspection Products | Visual Inspection Products | HD Endoscopy Products | Endoscopy Products

**Cleaning Technology Waste Water Pipes****150 – 163**

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Duct Cleaning Products

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Chimney Cleaning Products

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# WÖHLER WORLDWIDE



**Wöhler Technik GmbH**  
Headquarters / Sales and service point  
Bad Wünnenberg | Germany

**Wöhler Technik GmbH**  
Sales and service point  
Bochum | Germany

**Wöhler Technik GmbH**  
Sales and service point  
München | Germany



**Wöhler GmbH**  
Sales and service point  
Wilhelmsburg | Austria



**Wöhler France SARL**  
Sales and service point  
Lavalette | France



**Wöhler Italia srl**  
Sales and service point  
Costermano | Italy



**Wöhler Nederland B.V.**  
Sales and service point  
Amersfoort | Netherlands



**Wöhler USA Inc.**  
Sales and service point  
Middleton, MA | United States



**Wöhler Bohemia s.r.o.**  
Sales and service point  
Pelhřimov | Czech republic

We distribute in over 70 countries worldwide





## Who is Wöhler?

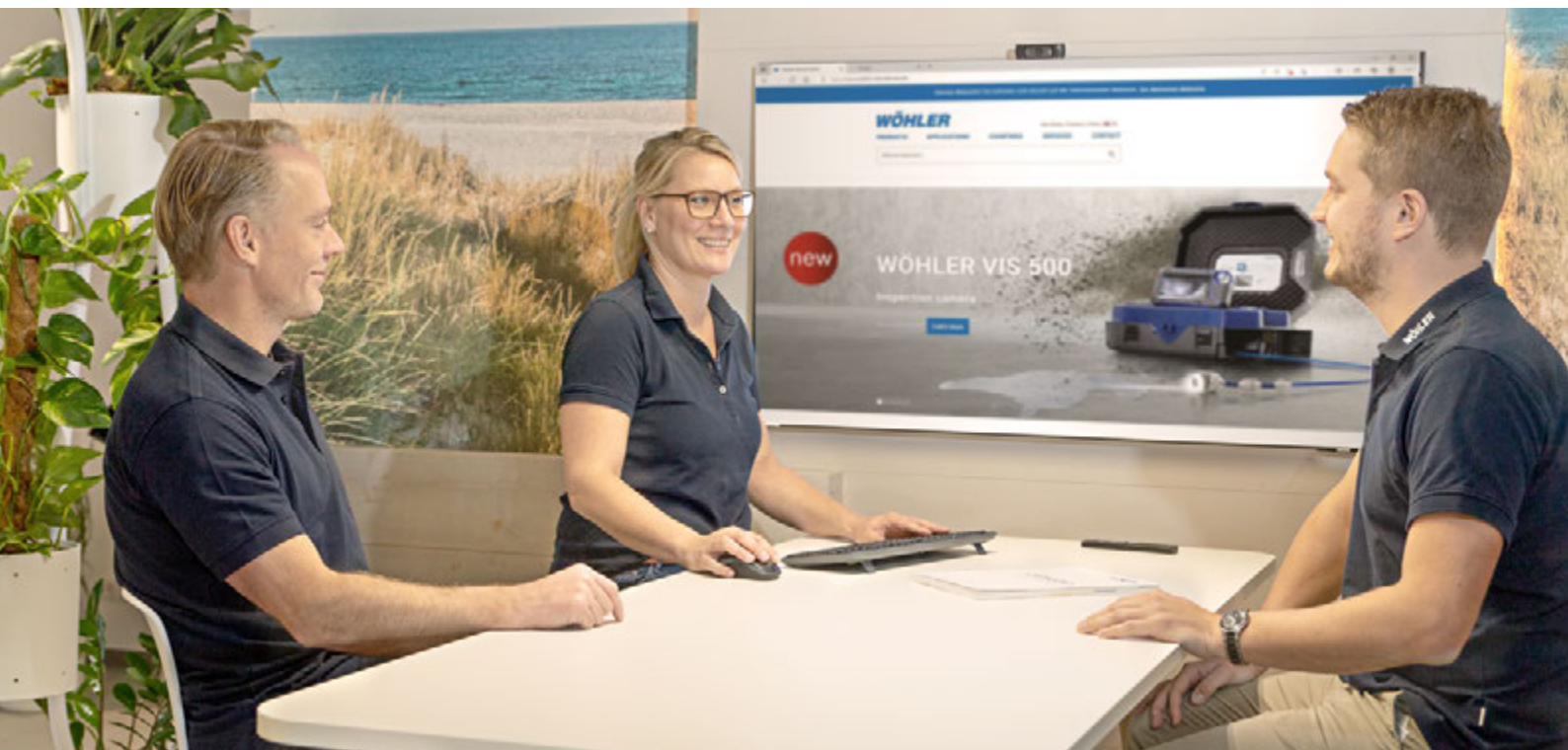
### Our Company Profile

We are a family-run, technically oriented company with more than 90 years of experience. As a leading manufacturer of measuring, inspection and cleaning technology our international business is fast growing. At our headquarters in Bad Wünnenberg, Germany we currently employ more than 250 employees, designing, developing and manufacturing our high technical instruments that are being used in a huge variety of applications all over the world.

## Working with Wöhler

- Close cooperation and communication
- Products and sales training together with your team
- Participation in the worldwide Wöhler Network
- Supply of marketing materials
- Collaborative development of a business plan
- Reliable Support & Service





# WÖHLER INTERNATIONAL TEAMWORK







**WE ARE BY YOUR SIDE!**







# Measuring Instruments

## Flue Gas Analysis

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# PRODUCT OVERVIEW



Wöhler A 450 L  
Flue Gas Analyzer

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Wöhler A 450  
Flue Gas Analyzer

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Wöhler A 450 H  
Flue Gas Analyzer

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Applications (depends on Accessories)			
Residential	•	•	•
Commercial			
Industrial			
Manifold and Differential Pressure	•	•	•
Tuning Guide	•	•	•
Data Management	•	•	•
Stack gas velocity			
Sensors			
O <sub>2</sub>	0...21 Vol. %	0...21 Vol. %	0...21 Vol. %
CO	0...5.000 ppm	0...10.000 ppm	0...10.000 ppm H <sub>2</sub> compensated
CO <sub>high</sub>	0...100.000 ppm		
NO	optional 0...3.000 ppm	optional 0...3.000 ppm	optional 0...3.000 ppm
NO <sub>2</sub>			
SO <sub>2</sub>			
CO <sub>2</sub> NDIR			
H <sub>2</sub> S			
Stack Temperature	-20...800 °C	-20...800 °C	-20...800 °C
Supply Air Temperature	-20...100 °C	-20...100 °C	-20...100 °C
Differential Pressure	110 hPa	110 hPa	110 hPa
Warranty	2 years	4 years	4 years
Features			
Color Touch Screen Display	5"	5"	5"
USB & infrared port for printer	•	•	•
Bluetooth® port for computer			
Wireless LAN	•	•	•
Interchangeable probe			
Safety features			
Self Diagnosis	•	•	•
CO overload protection			
Multi Filter Technology	•	•	•
Filter and Pump Monitor	•	•	•
Field Replacable Sensors	•	•	•
Longtime Sensors	•	•	•

• = include | ○ = optional

\* warranty extension available





Wöhler A 550 L  
Flue Gas Analyzer

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Wöhler A 550  
Flue Gas Analyzer

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Wöhler A 550 INDUSTRIAL  
Flue Gas Analyzer

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•	•	•
		•
•	•	•
•	•	•
•	•	•
		•
0...21 Vol. %	0...21 Vol. %	0...21 Vol. %
0...35.000 ppm	0...4.000 ppm	0...10.000 ppm H <sub>2</sub> compensated
	0...100.000 ppm	0...100.000 ppm
optional 0...3.000 ppm	optional 0...3.000 ppm	0...3.000 ppm
		0...1.000 ppm
		0...5.000 ppm
		optional 0...40 Vol. %
		optional 0...350 ppm
-20...800 °C	-20...800 °C	-20...1.200 °C
-20...100 °C	-20...100 °C	-20...100 °C
110 hPa	110 hPa	110 hPa
4 years	4 years	1 year*
7"	7"	7"
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# Wöhler A 450 Flue Gas Analyzer

Compact, rugged, loaded with smart functions



## Applications

- ▶ Residential flue gas analysis
- ▶ Service and maintenance tasks
- ▶ Determine flue gas loss and burner tuning
- ▶ Immission control measurements
- ▶ NO measurement (optional)
- ▶ Differential pressure / gas pressure measurement

## Advantages

- ▶ Large color touchscreen: Displays up to 14 measurement readings
- ▶ Intuitive to operate via on-screen keyboard
- ▶ Graphic hotspot search
- ▶ 24 or 48 months guarantee without maintenance agreement<sup>1)</sup>
- ▶ Multistage filter technology incl. water stop filter
- ▶ Electronic filter monitor with illuminated condensate trap
- ▶ Analyzer and sensor diagnostics
- ▶ Rechargeable battery – operating time more than 6 h
- ▶ Store up to 1.000 customer records
- ▶ Data transmission by USB, Wireless LAN or Infrared
- ▶ Wöhler A 450 app included for Android and iOS



## Technical Data

Display	5" color touchscreen
Sensors	up to 3
	O <sub>2</sub> 0...21%
	CO 0...5.000 ppm 0...10.000 ppm 0...10.000 ppm H <sub>2</sub> compensated 0...100.000 ppm
	NO 0...3.000 ppm
Power supply	Lithium-Ion, rechargeable battery 3,7 V, 2.250 mAh, charges via USB
Battery operating time	Wöhler A 450 L: approx. 6 h Wöhler A 450 / A 450 H: approx. 17 h (depends on operating status and Display illumination)
Weight	620 g

Product selection  
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Accessories  
from p. 16

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P\\_16410](http://woehler-international.com/P_16410)



<sup>1)</sup> Wöhler A 450 L: 24 months; Wöhler A 450 / 450 H: 48 months;  
excludes thermocouples, rechargeable battery and optional NO-  
Sensor. For more information please see our Terms and Conditions.



#### 5" large color touchscreen

All measured values available at a glance thanks to high-resolution display.



#### Wöhler A 450 App (Android & iOS)

Displaying the measured data on a mobile device.



#### All values at a glance

The tuning guide offers an advanced guidance to the technician to properly adjust the burner.



#### Interface to the printer

Printout of the measured data on site.



#### Easy maintenance

Condensate trap can easily be pulled out to change cotton wool and water stop filters.



#### Perfect size

Compact and light in a plastic case.

# PRODUCT SELECTION

## WÖHLER A 450

Wöhler A 450 L  
5.000 ppm CO-Sensor

Wöhler A 450 L  
100.000 ppm CO-Sensor

Scope of delivery			
Wöhler A 450 L Flue Gas Analyzer		•	•
Wöhler A 450 Flue Gas Analyzer			
Wöhler A 450 H Flue Gas Analyzer			
5.000 ppm CO-Sensor		•	
10.000 ppm CO-Sensor			
10.000 ppm CO-Sensor H <sub>2</sub> compensated			
100.000 ppm CO-Sensor			•
Wireless LAN, USB- and IR-interface		•	•
Flue gas probe 250 mm with 1,5 m hose assembly		•	•
Detachable probe 295 mm with 1,5 m hose assembly			
Cotton Filters (25 pieces)		•	•
USB-charger with Micro-USB cable		•	•
Rechargeable Lithium-Ion battery 3,6 V / 2.250 mAh, up to 6h		•	•
Rechargeable Lithium-Ion battery 3,6 V / 6.700 mAh, up to 16h			
Article no.	4503 J		4672 J
optional with 3.000 ppm NO-Sensor Article no.	4703 J		4979 J

• = include

## ACCESSORY SET 1



### Scope of delivery

Threaded Cone for probes Ø 8 mm, stainless steel, to stabilize the gas probe in the flue pipe















Servicebag incl. 1 water stop filter, 1 coarse filter, 25 wadding filters, silicone grease (6 g), various o-rings

Plastic case MIDI







Article no. 11371 J



# ACCESSORIES

		Article no.
Accessories		
	<b>Wöhler TD 100 Thermal Fast Printer</b> Infrared printer with 1 roll thermal paper and four batteries	4160 I
	<b>Thermal Paper</b> for Wöhler TD 100 Thermal Fast Printer 10 rolls	4145 I
	<b>PC-Software Wöhler A 450</b> Languages: EN / FR / IT / CZ / NL / CN for online measurements, diagram functions and export to MS Excel	4499 J
	<b>Wöhler A 450 App</b> Available for both Android and iOS devices! The Wöhler A 450 App is precisely what you need for your measuring and adjustment tasks.	 
	<b>Charger</b>	5502 J
	<b>Plastic case MIDI</b>	6594 J
	<b>Plastic case MAXI</b>	4704 J
	<b>Backpack</b>	5101 J
	<b>Probe</b> 250 mm with 1,5 m hose	4498 K
	<b>Air Temperature Probe</b> 220 mm with 1,8 m Cable	6545 J
	<b>Air Temperature Plug</b>	5517 J
	<b>Extension cable</b> for Temperature Probes 2,8 m	7772 J



		Article no.
<b>Accessories</b>		
	<b>Threaded Cone</b> for probes Ø 8 mm stainless steel, to stabilize the gas probe in the flue pipe	1235 K
	<b>Clamping Cone</b> for probes Ø 8 mm stainless steel, to stabilize the gas probe in the flue pipe	2494 K
	<b>PTFE Cone</b> for air temp. probes Ø 8 mm to stabilize air temperature probes in openings Ø 10 – 15 mm	2463 K
	<b>Servicebag</b> incl. 1 water stop filter, 1 coarse filter, 25 wadding filters, silicone grease (6 g), various o-rings	4734 K
	<b>Wadding Filters</b> pack with 25 pieces	4286 K
	pack with 150 pieces	4288 K
	<b>Water Stop Filters</b> pack with 3 pieces	9621 K

<b>Sensors</b> field replaceable		
O <sub>2</sub> -Sensor		8963 C
CO-Sensor 5.000 ppm		8964 C
CO-Sensor 10.000 ppm		8967 C
CO-Sensor 10.000 ppm H <sub>2</sub> compensated		8966 C
CO-Sensor 100.000 ppm		8965 C
NO-Sensor 3.000 ppm		8969 C
<b>Checking Charge</b> Pre- and final inspection, calibration and adjustment		439 X

# Wöhler A 550 Flue Gas Analyzer

Flue Gas Analyzer with all measurement functions



## Applications

- ▶ Residential flue gas analysis
- ▶ Service and maintenance tasks
- ▶ Determine flue gas loss and burner tuning
- ▶ Immission control measurements
- ▶ NO measurement (optional)
- ▶ Differential pressure / gas pressure measurement
- ▶ Check for back-draught conditions in the chimney
- ▶ Optional probe for wood moisture measurement

## Advantages

- ▶ 7" color touchscreen as intuitive to use as a smartphone
- ▶ 48 month warranty<sup>1)</sup> on the analyzer and sensors – without maintenance contract
- ▶ Including wood moisture measurement and spillage test
- ▶ Probe and hose assembly with start / stop function (Wöhler A 550 only) for remote analyzer operation
- ▶ Multiple communication capabilities including smartphones and tablets



## Technical Data

Display	7" color touchscreen	
Sensors	O <sub>2</sub> -Sensor	0...21 Vol. %
	CO-Sensor	0...4.000 ppm 0...10.000 ppm H <sub>2</sub> compensated 0...35.000 ppm
	CO <sub>H</sub> -Sensor	0...100.000 ppm
	NO-Sensor	0...3.000 ppm
Power supply	Lithium-Ion, rechargeable battery 3,7 V / 6.700 mAh, charges via USB	
Weight	1.250 g	

Product selection  
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Accessories  
from p. 22

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P\\_127](http://woehler-international.com/P_127)



<sup>1)</sup> Except for thermocouples, rechargeable batteries and special sensors; for further information please see our Terms and Conditions.



**Robust and wear-resistant by design**  
The Wöhler A 550 Flue Gas Analyzer with protective hinged lid.



**Large 7" color Touchscreen**  
All results of measurement at a glance – Use the large, clearly arranged color touchscreen to explain the results.



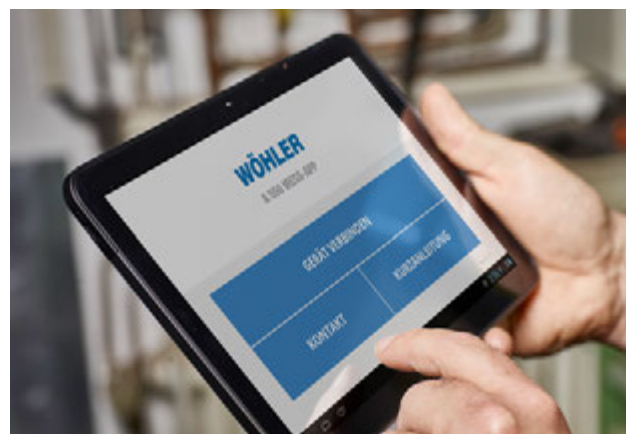
**Wood Moisture Measurement**  
Optional probe available for wood moisture measurement.



**Spillage Test**  
Optional probe available to test for back-draught conditions in the chimney.



**Peltier Cooler**  
Remove condensate from the sample gas for long-term measurements.



**Wöhler A 550 APP INT (Android)**  
Evaluate the results directly on your smartphone or tablet and export data to Excel or as PDF document.

# PRODUCT SELECTION

## WÖHLER A 550

**Wöhler A 550 L**  
35.000 ppm CO-Sensor

**Wöhler A 550**  
4.000 ppm CO-Sensor

Scope of delivery		
Wöhler A 550 L Flue Gas Analyzer	•	
Wöhler A 550 Flue Gas Analyzer		•
Wöhler A 550 H Flue Gas Analyzer		
O <sub>2</sub> -Sensor	•	•
4.000 ppm CO-Sensor		•
35.000 ppm CO-Sensor	•	
100.000 ppm CO-Sensor		
Bluetooth®, USB- and IR-interface		•
Gas probe 275 mm with 1,7 m hose assembly	•	
Gas probe 295 mm with 1,7 m hose assembly (changeable)		•
Combustion air temperature plug		•
USB-charger with Micro-USB cable	•	•
Rechargeable lithium ion battery up to 12 h	•	•
Waterstop filter	•	•
Coarse filters	•	•
Wadding filters (25 pieces)	•	•
Plastic case MIDI	•	
Plastic case MAXI		•
Article no.	8133 J	8150 J
optional with 3.000 ppm NO-Sensor Article no.	8148 J	8153 J

• = include

**Wöhler A 550 H**

4.000 ppm CO-Sensor  
100.000 ppm CO-Sensor

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8167 J

8236 J

## ACCESSORY SET



### Scope of delivery

Air Temperature Probe 220 mm with 1,8 m cable

PTFE Cone for air temperature probes Ø 8 mm to stabilize  
air temperature probes in openings Ø 10 – 15 mm























Servicebag incl. 1 water stop filter, 1 coarse filter, 25 wadding  
filters, silicone grease (6 g), various o-rings

Wöhler TD 100 Thermal Fast Printer, Infrared printer with 1 roll  
thermal paper and four batteries











10 rolls Thermal Paper for Wöhler TD 100 Thermal Fast  
Printer

Article no. 11373 J

# ACCESSORIES

		Article no.
Accessories		
	<b>Wöhler TD 100 Thermal Fast Printer</b> Infrared printer with 1 roll thermal paper and four batteries	4160 I
	<b>Thermal Paper</b> for Wöhler TD 100 Thermal Fast Printer 10 rolls	4145 I
	<b>PC-Software Wöhler A 550</b> Languages: EN / FR / IT / CZ / NL / CN for online measurements, diagram functions and export to MS Excel	4428 J
	<b>Wöhler A 550 App</b> Available for both Android and iOS devices! The Wöhler A 550 App is precisely what you need for your measuring and adjustment tasks.	 
	<b>Charger</b>	5502 J
	<b>Plastic Case MIDI</b>	5516 J
	<b>Plastic case MAXI</b>	5577 J
	<b>Backpack</b>	5101 J
	<b>Magnetic Holder</b> to stabilize the air temperature probe	6142 K
	<b>Air Temperature Plug</b>	5517 J
	<b>Hose assembly</b> Twin hose model	7126 J
	<b>Hose assembly</b> for Gas Probe 3 m	7179 K
	<b>Extension cable hose</b> 2,8 m	2076 J
	<b>Gas Probe</b> 500 mm	9614 J
	295 mm	9622 J
	180 mm	9613 J
	130 mm	9652 J
	<b>Flexible Probe</b> 300 mm	3242 J
	<b>Dew Point Indicator Probe</b>	5512 J
	<b>Wood Moisture Probe</b>	5513 J



		Article no.
<b>Accessories</b>		
	<b>Threaded Cone</b> for probes Ø 8 mm stainless steel, to stabilize the gas probe in the flue pipe	1235 K
	<b>Clamping Cone</b> for probes Ø 8 mm stainless steel, to stabilize the gas probe in the flue pipe	2494 K
	<b>PTFE Cone</b> for air temp. probes Ø 8 mm to stabilize air temperature probes in openings Ø 10 – 15 mm	2463 K
	<b>Clamping Cone</b> for probes Ø 8 mm stainless steel, heat-resistant up to 500 °C, measurements on CHPs and emergency power generators	11338 K
	<b>CHP Filter</b> for CO measurements on combustion engines	5523 J
	<b>Filter Granulate</b> for CHP Filter 100 ml	4398 J
	<b>Servicebag</b> incl. 1 water stop filter, 1 coarse filter, 25 wadding filters, silicone grease (6 g), various o-rings	4733 K
	<b>Wadding filters</b> pack with 150 pieces	4288 K
	<b>Water Stop Filters</b> pack with 3 pieces	9621 K
	<b>Coarse Filters</b> pack with 5 pieces	9632 K
<b>Sensors field replaceable</b>		
O <sub>2</sub> -Sensor	0...21 Vol. %	5594 C
CO-Sensor	4.000 ppm	8166 C
CO-Sensor	4.000 ppm H <sub>2</sub> compensated	5595 C
CO-Sensor	35.000 ppm	4496 C
CO <sub>H</sub> -Sensor	100.000 ppm	5596 C
NO-Sensor	3.000 ppm	5597 C

# Wöhler A 550 INDUSTRIAL Flue Gas Analyzer

Portable Flue Gas Analyzer with superior accuracy



## Applications

- ▶ For industrial heating systems
- ▶ For burner adjustment and determination of combustion loss
- ▶ For commercial and industrial Applications
- ▶ In-stack sinter-filter for heavy dust loaded applications
- ▶ High temperature processes up to 1.200 °C

## Advantages

- ▶ NO<sub>x</sub> and SO<sub>2</sub> measurement with 0,1 ppm resolution
- ▶ High temperature probe up to 1.200 °C with in-stack sinter-filter
- ▶ Battery-driven peltier cooler – optimal gas preparation for accurate measurements
- ▶ High-power sample pump for differential pressures up to 300 mbar
- ▶ Built-in logger function for long term measurements with user selectable configuration
- ▶ Up to 5 Sensors at a time, choice of 8 parameters in total

## Technical Data

Display	7" color touch screen	
Sensors	up to 5	
	O <sub>2</sub>	0...21 Vol. %
	CO <sub>H</sub>	0...100.000 ppm
	CO <sub>N</sub>	0...10.000 ppm H <sub>2</sub> -compensated
	NO	0...3.000 ppm
	NO <sub>2</sub>	0...1.000 ppm
	SO <sub>2</sub>	0...5.000 ppm
	CO <sub>2</sub> NDIR	0...40 Vol. %
	H <sub>2</sub> S	0...350 ppm
Power supply	Lithium-Ionen rechargeable battery 7 h service life	
Flue Gas Temperature	up to 1200 °C	
Storage temperature	-20...50 °C	
Operating temperature	5...40 °C to maintain stated accuracy	
Weight	1.250 g	
Length of cable-hose	3 m	
Safety	5 Filter technology with filter monitoring	



Product selection  
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Accessories  
from p. 28

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P\\_187](http://woehler-international.com/P_187)



<sup>1)</sup> Except for thermocouples, rechargeable batteries and special sensors; for further information please see our Terms and Conditions.



#### Clean job

Once attached the flue gas will pass through and will be dried completely. This way only clean and dry flue gas enters the device, ensuring accurate results.



#### Small, easy to handle, high performance

With our new condensation pump you can now perform long term measurements More accurate and convenient than ever.



#### Every detail considered

Life ain't always easy - our new Peltier cooler makes it easy and offers a solution for every tricky situation.



#### Highly flexible

No matter how - top down, or bottom up - with the included adapter there are no limitations in your Applications.



#### Measuring at different spots

It's up to you. Simply extend the probe from 1 meter to 2 meters if necessary. At both lengths it can be equipped with a thermo couple for temperature measurements.



#### Sinter-filter for clean measurements

Tough environment? Heavy dust load? No problem! Our high temperature sinter-filter will guarantee clean measurements.

# PRODUCT SELECTION

## WÖHLER A 550 INDUSTRIAL

Wöhler A 550  
INDUSTRIAL  
ready for measurement

Wöhler A 550  
INDUSTRIAL  
configurable basic version  
100.000 ppm

Scope of delivery		
Wöhler A 550 INDUSTRIAL Flue Gas Analyzer	●	●
Peltier cooler	●	○
O <sub>2</sub>	●	●
CO <sub>H</sub> 100.000 ppm	●	●
CO <sub>N</sub> 10.000 ppm (H <sub>2</sub> -compensated)	○	○
NO	●	○
NO <sub>2</sub>	●	○
SO <sub>2</sub>	●	○
CO <sub>2</sub> NDIR	○	○
H <sub>2</sub> S	○	○
Bluetooth®, USB- and IR-interface	●	●
Gas probe 1.000 mm with stainless steel sinter-filter (up to 800 °C)	●	○
High temperature probe 1.000 mm for measurements (up to 1.200 °C)	○	○
Probe extension 1.000 mm (up to 1.200 °C)	○	○
Heat protective shield	○	○
Ambient Temperature Plug	●	●
Cable hose 3 m	●	●
USB-charger with Micro-USB cable	●	●
Waterstopfilter	●	●
Coarse Filter	●	●
Wadding Filters (25 pieces)	●	●
Plastic Case MAXI	●	●

Article no.

2948 J

2947 J

● = include | ○ = optional

Wöhler A 550  
INDUSTRIAL

configurable basic version  
10.000 ppm (H<sub>2</sub>-compensated)

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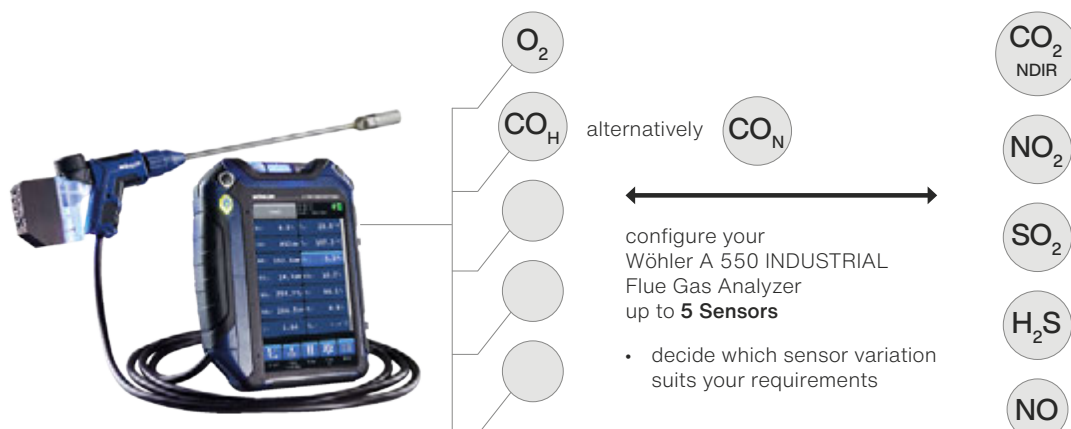
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8702 J



# ACCESSORIES

		Article no.
various Accessories		
	<b>Wöhler TD 100 Thermal Fast Printer</b> Infrared printer with 1 roll thermal paper and four batteries	4160 I
	<b>Thermal Paper</b> for Wöhler TD 100 Thermal Fast Printer 10 rolls	4145 I
	<b>PC-Software Wöhler A 550 INT</b> Languages: EN / FR / IT / CZ for online measurements, diagram functions and export to MS Excel This Wöhler PC software is used to evaluate and manage the measured data. There is the possibility for online measurement as well as export of data to MS Excel for graphically displayed data. The software is available for download. You will receive a separate email with the download link.	4428 J
	<b>Wöhler A 550 INDUSTRIAL App</b> Available for both Android and iOS devices! With this app, the measured values of the Wöhler A 550 can be displayed graphically and numerically on the smartphone, exported and transferred to a mobile management program.	
	<b>Gas Probe</b> 1.000 mm (with stainless steel sinter-filter)	4189 J
	1.000 mm	9695 J
	500 mm	9614 J
	295 mm	9622 J
	<b>Stainless steel Sinter-Filter</b> replacement filter	4187 J
	<b>High Temperature Probe</b> for measurements up to 1200 °C 1 m / with pre-filter and carrying bag	2291 J
	1 m / without pre-filter and carrying bag	2936 J
	<b>Probe Extension</b> for high temperature probe 2 m	2293 J
	<b>Thermo Couple Extension</b> for high temperature probe 2 m	6599 J
	<b>Pre Filter</b> for high temperature probe	2298 J
	<b>Replacement Filter</b> for high temperature probe	2953 J
	<b>Heat Protective Shield</b> for high temperature probe	2966 J
	<b>Safety Pins</b> to fix the sinter-filter 10 pieces	11063 K
	<b>USB Peltier Cooler for Wöhler A 550</b> with USB cable 3 m Portable Peltier Cooler to remove condensate. To be used for accurate SO <sub>2</sub> or NO <sub>2</sub> flue gas analysis. · Wöhler USB Peltier Cooler A 550 · 3 m USB connection cable	12111 J
	<b>USB-C-Condensate Pump</b> can only be used in conjunction with the USB-C Peltier cooler to continuously pump out condensate during long-term measurements.	12112 J



		Article no.
<b>various Accessories</b>		
	<b>Wöhler Velocity Probe Type S</b> for Wöhler A 550 / A 550 Industrial to measure gas velocity	5579 J
	<b>Air Temperature Plug</b> Wöhler A 450 / A 550	5517 J
	<b>Air Temperature Probe 220 mm</b> for Wöhler A 450 / A 550 with 1,8 m Cable	6545 J
	<b>Pitot Tube</b> Ø 7 mm 1.000 mm	9489 O
	500 mm	9488 O
	350 mm	9487 O
	<b>USB-C-Peltier Cooler</b> is used in conjunction with the Wöhler A 550 or Wöhler A 450 it is used for active cooling of the flue gas and thus protects the sensor technology of the unit from condensate	12111 J
	<b>Servicebag</b> incl. 1 water stop filter, 1 coarse filter, 25 wadding filters, silicone grease (6 g), various o-rings	4733 K
	<b>Wadding Filters</b> pack with 150 pieces	4288 K
	<b>Water Stop Filters</b> pack with 3 pieces	9621 K
	<b>Coarse Filters</b> pack with 5 pieces	9632 K
	<b>Plastic Case MAXI</b> for Wöhler A 550 Very robust case with foam inlet, ideal for the daily use. Provides enough room for the Wöhler A 550 flue gas analyzer, as well as the thermo printer TD 100, soot pump kit, probes and cones.	5577 J
	<b>Carrying bag</b> for flue gas probes 500 / 750 / 1000 mm	1243 K
	<b>Backpack</b> for Wöhler A 450 / A 550	5101 J
<b>Sensors field replaceable</b>		
O <sub>2</sub> -Sensor	0...21 Vol. %	5594 C
CO <sub>H</sub> -Sensor	100.000 ppm	5596 C
CO <sub>N</sub> -Sensor	10.000 ppm H <sub>2</sub> compensated	11037 C
NO-Sensor	3.000 ppm	5597 C
NO <sub>2</sub> -Sensor	1.000 ppm	5598 C
SO <sub>2</sub> -Sensor	5.000 ppm	5665 C
CO <sub>2</sub> NDIR-Sensor	0...40 Vol. %	11011 K
H <sub>2</sub> S-Sensor	350 ppm	11014 K
<b>Warrenty</b>		
Warranty extension	by 1 year	599 Y

# Wöhler SM 500 Suspended Particulate Analyzer

Particulate matter measurement and flue gas analysis in a single analyzer



## Applications

- ▶ TÜV tested and approved for particulate matter analysis in accordance with the 1st BImSchV
- ▶ Type testing on site as a case-by-case test
- ▶ Test bench measurements for development and quality control of solid fuel appliances

## Advantages

- ▶ Measurement and evaluation of the dust concentration on site
- ▶ TÜV-tested
- ▶ Approved for all tests without restrictions: Level 1 and 2, fuel type, expanded measurement uncertainty
- ▶ Suitable for dust measurements after electrostatic filters
- ▶ All in one device: solid measurement and flue gas analysis CO and O<sub>2</sub>
- ▶ Genuine gravimetric measurement with constant display display even during the measurement process
- ▶ Low maintenance



## Technical Data

Measurement ranges	Dust content in the exhaust gas	0...1000 mg/m <sup>3</sup>
	Carbon monoxide concentration in the exhaust gas	0...100.000 Vol.-ppm
Exhaust gas temperature	-20...800 °C	

Product selection  
from p. 32

Accessories  
from p. 33

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P\\_121](http://woehler-international.com/P_121)





#### Onsite Measurement and verification

Simple as that: adjust the display unit to your working level, measure, take results. All aspects of the instrument are user friendly designed. The Wöhler SM 500 accomplishes everything for you.



#### All in one: O<sub>2</sub>, CO, temperature and draft measurement inclusive

The basic instrument kit comes with a fully featured, integrated flue gas analyzer for O<sub>2</sub>, CO, stack temperature and draft to give a complete analysis and verification onsite.



#### High precision digital mass scale

With the Wöhler SM 500 Suspended Particulate Analyzer you can verify for the first time onsite mass concentration limits as low as 20 mg/m<sup>3</sup> according to German environmental protection standards (1. BlmSchV). The results of the measurements and verifications can be displayed or printed on the portable Wöhler TD 100 Thermal Fast Printer.



#### Real time graphic function display

The simple menu is intuitive by design. The technician friendly 4 button key pad allows real time graphic function display and user selectable readings. The brilliant full color LED display is even visible in a dark environment.
















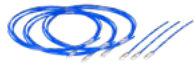
# PRODUCT SELECTION

## WÖHLER SM 500

	Wöhler SM 500	Wöhler SM 500 INDUSTRIAL
	Probe tube 350 mm	Probe tube 450 mm
Scope of delivery		
Wöhler SM 500 Suspended Particulate Analyzer	•	•
Precision weighing module	•	•
Heated measuring hose	•	•
Integrated flue gas analysis O <sub>2</sub> and CO	•	•
Hose probe for flue gas temperature and Differential pressure measurement	•	•
Cartridges Filter (10 pieces)	•	•
Cleaning tool	•	•
Air outlet bellows	•	•
Flue gas probe	•	•
Probe tube 350 mm straight with funnel	•	
Probe tube 450 mm straight with funnel		•
Clamping cone	•	•
Condensate separation module		•
Auxiliary Probe Heater		•
PC-Software Wöhler SM 500		•
Article no.	8935 O	8962 O

• = include

# ACCESSORIES

		Article no.
Various Accessories		
	<b>Wöhler TD 100 Thermal Fast Printer</b> Infrared printer with 1 roll thermal paper and four batteries	4160 I
	<b>Thermal Paper</b> for Wöhler TD 100 Thermal Fast Printer 10 rolls	4145 I
	<b>PC-Software Wöhler SM 500</b> Languages: EN, PL, DE All measurement data and online readings can be transferred to a computer by USB connection. The Wöhler SM 500 computer software package allows extensive data analysis and display. The software is available for download. You will receive a separate email with the download link.	8947 J
	<b>Backpack Carry-On</b> for Wöhler SM 500 case	8911 J
	<b>Tripod Set</b> extended radius up to approx. 4 m With the tripod the Wöhler SM 500 display unit can be placed outside the case during measurements. Necessary for hard to reach measuring openings.	8919 J
	<b>Probe</b> including funnel and clamping cone 450 mm / straight	8946 J
	<b>Auxiliary Probe Heater</b> for long term measurement to avoid condensation	23201 J
	<b>Heated Probe Holder</b> to avoid condensate formation with cold probe	8921 J
	<b>Extension Hose</b> for laboratory measurements 1 m	8922 J
	<b>Probe Holder</b> stainless steel	23674 J
	<b>Air Puffer</b>	8918 J
	<b>Cartridges Filter</b> 10 pieces	8916 O
	<b>Coarse Filter Vlies</b> 10 pieces	9503 K
	<b>Wadding Filters</b> 25 g	6052 K
	<b>Spare Parts Kit</b> with 2 rubber seals for the sampling probe and 28 O-rings of a different size	8933 K
	<b>Cleaning tool</b> for Wöhler SM 500 for probe and mass scale unit	8909 K

# Wöhler RP 72 Soot Test Pump

Soot level measurement



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## Applications

- ▶ For measuring the soot level manually

## Advantages

- ▶ Rugged and reliable 10 stroke Soot Test Pump
- ▶ Long hose: ideal for difficult to reach measurement openings
- ▶ Non centered soot spot, allows many tests on one filter, easy to compare
- ▶ 2 filter technology

## Technical Data

Exhaust gas volume	1,63 l at 10 strokes
Suction hose	1 m

## Basic Set

### Scope of delivery

Wöhler RP 72 Soot Test Pump
Hose 1 m
Probe 220 mm
Smoke spot comparison scale
Filter papers (300 pieces)
Wadding rolls short (25 pieces)
Wadding rolls long (50 pieces)

Article no. 9150 I

## Standard Set














### Scope of delivery

Wöhler RP 72 Soot Test Pump
Hose 1 m
Probe 220 mm
Smoke spot comparison scale
Filter papers (300 pieces)
Wadding rolls short (25 pieces)
Wadding rolls long (50 pieces)
Threaded cone
Oil derivatives test bottle
Special servicing oil
Probe brush

Article no. 9152 I



# ACCESSORIES

		Article no.
<b>various Accessories</b>		
	<b>Probe Holder</b> with probe 220 mm and spiral	7547 G
	<b>Probe Connector</b>	3879 I
	<b>Spiral</b> for probe	20401 K
	<b>Probe Brush</b> Ø 6 mm	2419 G
	<b>Threaded Cone</b> for probes Ø 8 mm stainless steel, to stabilize the gas probe in the flue pipe	1235 K
	<b>Clamping Cone</b> for probes Ø 8 mm stainless steel, to stabilize the gas probe in the flue pipe	2494 K
	<b>Soot Spot Comparison Scale</b> from soot number 1 to 10	2416 I
	<b>Smoke Pump Filters</b> pack with 300 pieces	2415 K
	pack with 1800 pieces	590 K
	<b>Filter Paper Dispenser</b> with 300 pieces of filter paper	3700 K
	<b>Wadding Rolls</b> short	5289 K
	25 pieces	5289 K
	150 pieces	5290 K
	<b>Wadding rolls</b> long	
	50 pieces	2450 K
	150 pieces	621 K
	<b>Oil Derivates Test Bottle</b> Aceton	2481 I
	<b>Special Servicing Oil</b>	2418 G

# Wöhler HF 550 Wood Moisture Meter

Moisture measurement on logs / bulk materials



## Applications

- ▶ Determine the moisture of fuel when inspecting the fireplace
- ▶ Acceptance test of fireplaces for solid fuels
- ▶ Professional customer advice service following the installation of a solid fuel heating system
- ▶ Wood and fuel outlets

## Advantages

- ▶ Unconditionally versatile: Measure moisture of firewood logs and bulk materials with just one instrument
- ▶ High precision: TÜV tested
- ▶ Measurements according to VDI 4206 Part 4
- ▶ Robust instrument – robust probe
- ▶ User-friendly: Intuitive menu navigation, color display, integrated data management

## Technical Data

Wood moisture measurement on firewood	Display	Wood moisture $u$ in %, related to the dry mass of the fuel, switchable to water content $w$ in %, related to the wet mass of the fuel
	Wood types	14 wood types selectable
	Temperature compensation	Material temperature measurable by means of Insertion temperature sensor
	Measuring principle	Electrical resistance measurement
	Measuring range Humidity	10..40 % $u$ Resolution 0,1% $u$
	Measuring range Water content	9..29 % $w$ Resolution 0,1% $w$
	Accuracy	±40 % of MW, tested according to VDI 4206 Sheet 4






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# PRODUCT SELECTION

	Basic Set	Professional Set
<b>Scope of delivery</b>		
Wöhler HF 550 Wood Moisture Meter	•	•
Wood Moisture Lance Probe	•	•
USB-charger with Micro-USB cable	•	•
Bag	•	•
Wöhler FW 550 Wood Moisture Scale		•
Wood Moisture Hammer Probe		•
Plastic Case		•
Wöhler TD 100 Thermal Fast Printer		•
Article no.	1141 I	6348 I

## ACCESSORIES

		Article no.
<b>various Accessories</b>		
	<b>Wood Moisture Hammer Probe</b> incl. connecting cable, electrodes 35 mm (2 pieces), electrodes 50 mm (2 pieces), protective cap	2522 I
	<b>Electrodes</b> for Wood Moisture Hammer Probe, shank insulated, appropriate for precise depth measurement 8 x 35 mm / 2 x 50 mm	2527 K
	<b>Connection Cable</b> for Wood Moisture Hammer Probe 1,8 m	2525 K
	<b>Wood Temperature Probe</b>	1567 I
	<b>Wood Moisture Probe</b>	5513 J

# Wöhler FW 550 Wood Moisture Scale

Moisture measurement on pellets / wood chips / grain



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## Applications

- ▶ Moisture measurement on Pellets or other bulk material according to VDI 4206-4
- ▶ Used in combination with Wöhler HF 550 Wood Moisture Meter
- ▶ Mass and moisture determination

## Advantages

- ▶ First-ever TÜV tested measuring instrument for bulk material
- ▶ Dielectric mass measurement – measures up to 70 % moisture
- ▶ Integrated spirit level to align the scales

## Technical Data

Moisture measurement on bulk material	Display	Humidity $u$ in % referred to the dry matter, switchable to Water content $w$ in % related to the wet mass, via Wöhler HF 550
	Bulk material	Selectable from the fuels wood chips and pellets, as well as six types of grain
	Measuring principle	Dielectric mass measurement
	Measuring range Humidity	0,1...70 % $u$ Resolution 0,1 % $u$
	Measuring range Water content	0,1...41 % $w$ Resolution 0,1 % $w$
	Accuracy	0,1...5 % $u$ at $\pm 2$ % $u$ from 5...70 % $u$ at $\pm 40$ % of measured value for fuels



## Basic Set

### Scope of delivery

Wöhler FW 550 Wood Moisture Scale  
 Protective cap and filling aid  
 Micro-USB cable  
 Plastic Case

Article no. 1535 I

# ACCESSORIES

		Article no.
various Accessories		
	PC-Software Wöhler HF / FW 550 Language: DE / EN / IT / FR	1314 J
	PC-Software Wöhler HF / FW 550 Set Language: DE / EN / IT / FR incl. Adapter Micro-USB to USB	1340 I

# Wöhler HF 300 Wood Moisture Meter

Assessment of the degree of drying of wood fuels



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## Applications

- ▶ Wood moisture measurement according to resistance measuring method

## Advantages

- ▶ Easy handling
- ▶ Large, easy-to-read display

## Technical Data

Resistance measurement	Measurement	approx. 5...40 %
Wood	range	

## Basic Set

### Scope of delivery

Wöhler HF 300 Wood Moisture Meter
Replacement Pins (2 pieces)
Battery
Protective bag

Article no. 7180 R



# Wöhler HBF 420 Wood & Building Moisture Meter

Assessment of building / wood moisture

1

## Applications

- ▶ Wood moisture measurement according to resistance measuring method
- ▶ Building moisture measurement according to dielectric measuring method

## Advantages

- ▶ Wood and building moisture measurement in one unit
- ▶ Adjustable alarm thresholds
- ▶ Temperature compensation
- ▶ Measurement check on site with calibration cap

## Technical Data

Resistance measurement Wood	Measurement range	approx. 0..40 %
	Wood type correction	10 Material codes
	Temperature compensation	Material temperature
Dielectric measurement	Penetration depth	approx. 3 – 4 cm
	Material matching	20 Material codes
Ambient conditions	0..40 °C < 90 % r.F. (non condensing)	

## Basic Set

### Scope of delivery

Wöhler HBF 420 Wood & Building Moisture Meter  
Replacement electrodes (2 pieces)  
Batteries  
Leather bag  
Wood Moisture Hammer Probe  
Plastic case

Article no. 2510 I



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# Wöhler CM 220 Carbon Monoxide Meter

Assessment of air quality



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## Applications

- ▶ Measurement of CO concentration in the ambient air
- ▶ Test CO leakage from furnaces, water heaters, stoves
- ▶ MWC-Value-Measurement (Maximum Workplace Concentration)

## Advantages

- ▶ Quick response for testing safe entry conditions
- ▶ Easy operation-one button, manual zero
- ▶ Visual and acoustic indicators
- ▶ Backlight
- ▶ Precise electrochemical sensor
- ▶ Calculation of the MWC-value (Maximum Workplace Concentration)

## Technical Data

Range	0...999 ppm
Accuracy	±20 % at 0...99 ppm ±15 % at 100...500 ppm
Resolution	1 ppm
Response time	up to 60 sec.
Humidity range	5...99 % r.F. (non condensing)

## Basic Set

### Scope of delivery

Wöhler CM 220 Carbon Monoxide Meter

Batteries

Hand strap

Carrying pouch

Article no. 4486 I

# Wöhler TI 410 Dew Point Indication

Control of flue gas backpressure on room-air dependent gas fireplaces

1

## Applications

- Inspection of burner appliances for fluegas spillage in the scope of fluegas path inspections

## Advantages

- Optical and acoustic signal in the event of exhaust gas backpressure
- Sensitivity adjustable in four steps for adaptation to different ambient conditions
- Automatic switch-off after four minutes, therefore long battery life
- High safety due to:
  - Pulsed alarm tone
  - Optical bar graph display
  - Measurement of ambient temperature

## Technical Data

Range	-40...100 °C
Accuracy	±1 °C
Resolution	0,1 °C
Indicators	1. acoustic through pulsed alarm tone 2. optical through four-step bar 3. increased temperature indication relative to the surroundings
Sensor board	double-sided

## Basic Set

### Scope of delivery

Wöhler TI 410 Dew Point Indicator

Block battery

Flex arm 440 mm

Leather bag

Article no. 6808 I



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# Measuring Instruments

## Heating

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# PRODUCT OVERVIEW



Wöhler DM 602  
Digital Manometer  
p. 48



Wöhler M 603  
Leakage Tester  
p. 50



Wöhler SC 660  
Smart Connect  
p. 52

Applications			
Differential pressure	●	●	
Draft and manifold pressure		●	
Leakage rate of gas lines	●	●	
Leakage test of drinking water pipes		●	●
Detection of Gas Lines		●	
Water quality measurement			
Chimney and stove tightness testing			
4 Pa test for supply air			
Sensors specifications			
Differential Pressure	±3.000 mbar	±0...3.000 mbar	
Absolute pressure		300...1.100 mbar	-1...60 bar
Air flow		0...10 l/h	
Internal temperature	-20...60 °C	-20...60 °C	-20...60 °C
External temperature	-20...800 °C	-20...800 °C	-20...800 °C
Relative humidity	0...100 % r.F.	0...100 % r.F.	

● = included





Wöhler SC 602  
Smart Connect

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Wöhler GS 220 / 300  
Gas Sniffer

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Wöhler WA 335  
Water Analyzer

p. 60



Wöhler DP 600  
Leakage Tester

p. 62

•			•
•			
•			
	•		
		•	
			•
			•
±0...3.000 mbar			0...7.000 Pa
			0,1...10 NL/min
-20...60 °C			0...200 Nm³/h
-20...800 °C			

# Wöhler DM 602 Digital Manometer

Burner adjustment at gas burners



## Applications

- ▶ Adjustment of the gas pressure on gas fireplaces
- ▶ Measurement of the fan differential pressure
- ▶ Measurement of chimney draught
- ▶ Temperature measurement

## Advantages

- ▶ Made in Germany: integrated magnets, shock-protected housing
- ▶ Robust sensor up to 3 bar as well as high resolution measuring range (1 Pa)
- ▶ Extremely responsive display of the measured value
- ▶ Illuminated display for quick reading of the measured value
- ▶ Stable measured values in any position due to high-quality pressure sensor
- ▶ Printout of test results directly on site with the Wöhler TD 100
- ▶ Selectable measuring units
- ▶ Small, light and handy

## Technical Data

Differential pressure	Measuring range	±3.000 mbar
	Accuracy	< 3% from measured value in range < ±2 mbar better than ±0,06 mbar
	Resolution	0,01 hPa in range -210...210 mbar otherwise 0,1 mbar
Internal temperature measurement	Measuring range	-20...60 °C
	Accuracy	< ±1 °C
	Resolution	0,1 °C
External temperature measurement (with connected temperature sensor)	Measuring range	-20...800 °C
	Accuracy	< ±1 °C in range -20...67 °C otherwise 1,5 % from measured value according to EN 50379-1
	Resolution	0,1 °C

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## PRODUCT SELECTION

	Basic Set mbar and °C	Basic Set Pa and °C
<b>Scope of delivery</b>		
Wöhler DM 602 Digital Manometer	•	•
Display indication in mbar and °C	•	
Display indication in Pa and °C		•
Batteries	•	•
Hand strap	•	•
Article no.	8837 I	11195 I

## ACCESSORY SETS



Accessory Set  
Nozzle pressure



Accessory Set  
Chimney draft measurement

<b>Scope of delivery</b>		
Plastic Case	•	•
Nozzle pressure measuring set	•	
Measuring hose with probe and threaded cone		•
Article no.	10094 J	10093 J

# Wöhler M 603 Leakage Tester

Stress Test/Tightness Check/Usability Test



Accessories  
from p. 54



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## Applications

- ▶ Measurements at gas lines and components
  - stress test, tightness check, usability test
  - gas regulator test
- ▶ Measurements at drinking water pipes
  - with air
  - with water in combination with Wöhler SC 660
- ▶ Measurements at waste water pipes
- ▶ Data logging
- ▶ Detection of metal pipes in combination with Wöhler L 200
- ▶ Further pressure and temperature measurements (as well in combination with external probes)
- ▶ Data management via PC with the Wöhler M-series PC-software
- ▶ Data management at your mobile device with the Wöhler Smart Connect app

## Advantages

- ▶ Intuitive usage with the large 5" color touchscreen
- ▶ Complete pressure check at gas pipes, drinking- and waste water pipes
- ▶ TUV and DVGW certified
- ▶ Normed measurements based on fully automated measurements with pumps included
- ▶ Wide range of Accessories for all pressure tests
- ▶ Optional increase of measurement range up to 60 bar

## Technical Data

Differential pressure (temperature compensated)	Range	±3.000 hPa
	Accuracy	< 3 % of measured value in the range < ±2 hPa better than ±0,06 hPa
	Resolution	0,01 hPa in the range -210...210 hPa otherwise 0,1 hPa
Leakage rate (usability test)	Range	0...10 l/h up to 8 l/h tested
	Accuracy	±0,2 l/h in the range 0...4 l/h otherwise 5 % of measured value
	Resolution	0,1 l/h
Logger function	Dimension	9.999 Measurements
	Selectable intervals	1 s to 24 h
Operational Time	up to 17 h	

## Basic Set

### Scope of delivery

Wöhler M 603 Leakage Tester

Lithium-ion battery

Hand strap

Measuring tube 1,5 m

Power supply with USB cable

Article no.

11377 J

# ACCESSORY SETS



Starter-Set  
Gas



Comfort-Set  
Gas



Professional-Set  
Gas

Scope of delivery			
Plastic case MIDI	•		
Plastic case MAXI		•	•
Tightness-check set for gas pipes		•	•
High pressure stage plug G1/2 G1		•	•
High pressure stage plug G3/8 G3/4		•	•
High pressure plug G1 1/4 (2 pieces)		•	•
Pressure nozzle set	•	•	•
Flex-adapter for gas regulators	•	•	•
Single tube meter cap		•	•
Gas bladder			•
Wöhler M-series PC-software			•
Wöhler GS 300 Gas Sniffer			•
Wöhler TD 100 printer			•
Article no.	12115 J	12114 J	12113 J



# Wöhler SC 660 Smart Connect

Water Lines Tightness Check



Accessories  
from p. 54



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## Applications

- ▶ Measurements at drinking water pipes according to DIN EN 806
- ▶ Logger function
- ▶ Temperature measurements with internal and external sensor

## Advantages

- ▶ High measurement range up to 60 bar
- ▶ Digital wireless connection
- ▶ Fully functional stand-alone device with display
- ▶ Possibility of live measurements, logger measurements and measurements according to DIN EN 806-4 in connection with the Wöhler Smart Connect App
- ▶ Pressure, temperature, relative humidity and ambient pressure
- ▶ Wide collection of adapters for different situations
- ▶ Optional available Lithium-Polymer battery for extended use

## Technical Data

Differential pressure	Range	-1..60 bar
	Overload	65 bar
	Accuracy	< 3 % of measured value, in the range $\pm 1$ bar better than 0,03 bar
	Resolution	0,01 bar
Internal temperature measurement	Range	-20..60 °C
	Accuracy	< $\pm 1$ °C
	Resolution	0,1 °C
External temperature measurement	Range	-20..800 °C
	Accuracy	< $\pm 1$ °C in the range -20..67 °C, otherwise 1,5 % of measured value, acc. to EN 50379-1
	Resolution	0,1 °C

## Basic Set

### Scope of delivery

Wöhler SC 660 Smart Connect

Batteries

Hand loop

Bag

Article no.

10133 J

# ACCESSORY SET



Comfort-Set  
Drinking Water



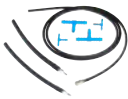







Scope of delivery		
Plastic case MIDI		•
Angle adapter 1/4" SAE 90°		•
High pressure lock G1/2 AG 1/4" SAE wall plate		•
Measurement adapter G3/4 IG 1/4" SAE tap		•
Measurement adapter G3/8 IG 1/4" SAE angle valve		•
Measurement adapter M 24 AG 1/4" SAE aerator		•
Measurement adapter M 22 IG 1/4" SAE shower hose		•
Clamp temperature probe Type K		•












Article no. 10096 J

**Wöhler Smart Connect App**  
Measurement data can be transferred via Bluetooth® to your mobile device and can be further used with the app.



# ACCESSORIES

		Article no.
Accessories gas pipe testing		
         	<b>Professional-Set Pipe Location</b> Scope of delivery: Wöhler L 200 Locator, Connection cable, Contact clamp large, Contact clamp small	11150 J
	<b>Wöhler Gas Pipe Tightness Set</b> Scope of delivery: Valve block with 4 connection hoses (length 1 m) with fast connection each, 2 conical closing plugs, Single closure, Pressure pump	10063 I
	<b>Pressure Measurement Set</b> for Wöhler Digital Manometer incl. plastic connector Ø 4 mm, plastic reducing adaptor Ø 5 – 8 mm, plastic T connector Ø 4 mm, plastic T connector Ø 8 mm, silicone hose Ø 3,5 mm x 1,5 m Black, silicone hose Ø 7,5 mm x 1,5 m black	56126 I
	<b>Adapter gas counter DN 32</b> with connector maxi	21574 K
	<b>High pressure plug 1/2" and 1"</b> with gasket rings	7213 O
	<b>High pressure plug 3/8" &amp; 3/4"</b> with gasket rings	7214 O
	<b>High pressure plug 1/4"</b> with gasket and plug nipple MAXI	21602 O
	<b>High Pressure lock 1/8"</b>	21612 O
	<b>High pressure plug 1 1/4"</b> with plug nipple Maxi for two-pipe gas meter 2 pack	11023 K
	<b>High pressure lock G1/2 AG 1/4" SAE</b> for Wöhler SC 660 Wall plate	8843 K

		Article no.
<b>Accessories gas pipe testing</b>		
	<b>Adapter M22x1 IG 1/4" SAE</b> for Wöhler SC 660 Shower hose	11178 I
	<b>Adapter M24x1 AG 1/4" SAE</b> for Wöhler SC 660 Aerator	11179 I
	<b>Adapter G3/4 IG 1/4" SAE</b> for Wöhler SC 660 Tap	8856 I
	<b>Adapter G3/8 IG 1/4" SAE</b> for Wöhler SC 660 Angle valve	8857 I
	<b>Flex-Adapter G1/8"</b> for measurements at gas regulators	11144 J
	<b>Angle adapter 1/4" SAE 90°</b> for Wöhler SC 660	8841 I
	<b>Connection adapter</b>	11184 J
	<b>Gas bladder</b> for Wöhler Gas leakage tester Gas bladder with self-locked coupler for measuring the leakage rate with gas with the Wöhler DC 430	9232 J
	<b>Servicebag</b> Scope of delivery: Silicon grease, Wadding filters, O-ring, Smart Plug	9243 K
	<b>Injection 150 ml</b>	4765 J
	<b>Battery for SC 6xx and DM 602</b> Li-polymer battery module with USB-C charging port	8839 J

# Wöhler SC 602 Smart Connect

Stress Test/Tightness Check/Usability Test



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## Applications

- ▶ Measurements at gas lines and components
  - stress test, tightness check, usability test
  - gas regulator test
- ▶ Measurements at drinking water pipes
  - with air
- ▶ Data management at your mobile device with the Wöhler Smart Connect app

## Advantages

- ▶ DVGW-certified and TÜV-tested
- ▶ Extremely responsive display of the measured value
- ▶ Illuminated display for quick reading
- ▶ Settings, measurements and documentation made easy via the Wöhler Smart Connect App
- ▶ Robust sensor up to 3,000 hPa as well as high resolution measuring range (0.01 hPa)
- ▶ Integrated magnets, shock-protected housing
- ▶ Stable measured values in any position due to high-quality pressure sensor
- ▶ Optional: lithium-polymer battery for extra-long service life
- ▶ Optimally equipped: Extensive accessories for all pressure tests

## Technical Data

Differential pressure	Range	±3.000 hPa
	Accuracy	< 3 % of measured value, in the range < ±2 hPa better than ±0,06 hPa
	Resolution	0,01 hPa in the range -210...210 hPa otherwise 0,1 hPa
Internal temperature measurement	Range	-20...60 °C
External temperature measurement	Range	-20...800 °C

## Basic Set

### Scope of delivery

Wöhler SC 602 Smart Connect

Batteries

Hand loop

Bag

Article no.

10184 J



# ACCESSORY SETS



Comfort-Set  
Gas



Professional-Set  
Gas

Scope of delivery		
Plastic case MAXI	•	•
Connection adapter	•	•
Sealing plug 16 - 32 mm (blue)	•	•
Sealing plug 21 - 44 mm (blue)	•	•
High-pressure plug 1 ¼" with barbed fitting MAXI (2 pieces)	•	•
High-pressure step plug G1/2 G1 MS		•
High-pressure step plug G3/8 G 3/4 MS		•
Single shut-off 1/8"	•	•
Tightness test manifold	•	•
Single-pipe measuring cap	•	•
Disposable syringe 150 ml	•	•
Nozzle pressure measuring set	•	•
Aluminium pressure pump	•	•
Wöhler GS 300 gas sniffer		•
Wöhler TD 100 Thermal printer		•
Article no.	10092 J	10089 J

**Wöhler Smart Connect App**  
Measurement data can be transferred via Bluetooth® to your mobile device and can be further used with the app.



# Wöhler GS 220 Gas Sniffer

Display in five steps from 40 to 640 ppm



## Applications

- ▶ Leakage detection of gas lines carrying combustible gases

## Advantages

- ▶ Calibrated for methane (CH<sub>4</sub>) and liquid petrol gas (LPG)
- ▶ Highly sensitive and quick response
- ▶ 440 mm flexible gooseneck for easy access of hard to reach spots
- ▶ Handheld unit

## Technical Data

Sensitivity	Methan	40...640 ppm
	Propan	60...920 ppm
Sensor	Semiconductor	
Flexarm	440 mm	
Warm-up time	approx. 50 Sek.	
Reaction time	approx. 10 Sek.	



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## Basic Set

### Scope of delivery

Wöhler GS 220 Gas Sniffer

Gooseneck 440 mm

Batteries

Plastic case

Article no. 6606 I

# Wöhler GS 300 Gas Sniffer

Display in twelve steps from 0 to 1.200 ppm

## Applications

- ▶ Highly sensitive and quick responsive Gas Sniffer for tightness control and leakage detection of gas lines carrying combustible gases

## Advantages

- ▶ Acoustic signal and vibration alarm to display even the smallest leaks
- ▶ Display of gas concentration via bar graph in twelve levels from 0...1.200 ppm
- ▶ Perfect tool to control natural gas, as well as liquefied gas installations
- ▶ Additional LED lighting turns on automatically in dark places, to search for leaks in hard to reach spots (flashlight function)

## Technical Data

Sensitivity	Methan	0...1.200 ppm
	Propan	0...1.200 ppm
Sensor	Semiconductor	
Alarm function	visual, acoustic, vibrating	
Flexarm	440 mm	
Warm-up time	approx. 60 Sek.	
Reaction time	approx. 10 Sek.	

## Basic Set

### Scope of delivery

Wöhler GS 300 Gas Sniffer

Gooseneck 440 mm

Batteries

Plastic case

Article no. 7707 I



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# Wöhler WA 335 Water Analyzer

Heating water quality analysis



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## Applications

- Heating water quality analysis according to VDI 2035
- Electric conductivity (EC)
- pH-value
- Total dissolved solids (TDS)
- Salinity

## Advantages

- ▶ Complete equipment for the analysis of heating water
- ▶ Automatic temperature compensation for pH and EC
- ▶ Digital display
- ▶ Data storage
- ▶ Easy probe exchange

## Technical Data

Conductivity	Measuring range	0...199 µS/cm 90...1999 µS/cm 0...19,99 mS/cm 0...150 mS/cm
	Accuracy	±0,1 %
	Resolution	0,1 µS/cm resp. mS/cm
pH-value	Measuring range	pH 2...12
	Accuracy	pH ±0,1
	Resolution	pH 0,01
Hardness level	measuring accuracy	±0,5° dH / ±1° dH
	Resolution	0,5° dH / 1° dH
Oxygen (O <sub>2</sub> )	Measuring range	0...199,9 % (0...30 mg/l)
	Accuracy	±3 %
	Resolution	0,1

# PRODUCT SELECTION



Wöhler WA 335  
Water Analyzer



pH- and EC-Calibration solution  
Accessory Set

Scope of delivery		
Wöhler WA 335 Water Analyzer	•	
pH probe	•	
EC probe	•	
pH Calibration solution 4 / 7 / 10	•	
Refill cup (3 pcs.)	•	
Plastic case	•	
Refill bottle calibration solution pH 4 (250 ml)		•
Refill bottle calibration solution pH 7 (250 ml)		•
Refill bottle calibration solution pH 10 (250 ml)		•
EC-calibration solution 84 uS/cm (250 ml)		•
EC-calibration solution 1413 uS/cm (250 ml)		•
Article no.	6758 I	14097 I



# Wöhler DP 600 Leakage Tester

Leak test of flue pipes & chimneys / performance of 4 Pa tests



Accessories  
from p. 64



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## Applications

- ▶ Tightness testing with leakage rates up to 200.00 m<sup>3</sup>/h
- ▶ Tightness testing of all chimney classes and flue gas systems
- ▶ Tightness testing of flue gas systems of combined heat and power plants
- ▶ Confirmation of a sufficient combustion air supply according to TRGI sheet G 625 (simple and detailed procedure)
- ▶ Stove tightness testing
- ▶ Tightness testing is also possible with negative pressure

## Advantages

- ▶ Equipped with a brilliant colour display and a simple menu navigation
- ▶ Volume flow adjustable up to 200 m<sup>3</sup>/h
- ▶ Extended pressure range up to ±7,000 Pa
- ▶ Integrated memory for up to 100 measurement records
- ▶ USB interface for the PC
- ▶ IrDA interface for the printer
- ▶ Tightness classes preset for flue gas systems N, P and H according to EN 1443
- ▶ 4 / 8 Pa-Test without any auxiliary measuring instrument

## Technical Data

Pressure	Measuring range	±7000 Pa
	Aufolution	0,1 Pa von 0...900 Pa 1 Pa ab 900 Pa
	Accuracy	±0,5 Pa ±2,5 % from measured value
Air volume flow without adapter	Measuring range	0...200 Nm <sup>3</sup> /h
	Aufolution	0,1 Nm <sup>3</sup> /h
	Accuracy	±2,5 Nm <sup>3</sup> /h ±5 % from measured value
Air volume flow with adapter 3.0	Measuring range	0...10 Nm <sup>3</sup> /h
	Aufolution	0,01 Nm <sup>3</sup> /h
	Accuracy	±0,05 Nm <sup>3</sup> /h ±5 % from measured value
Air volume flow with adapter 0.3	Measuring range	0...18 NL/min
	Aufolution	0,01 NL/min
	Accuracy	±0,05 NL/min ±5 % from measured value

## Basic Set

### Scope of delivery

Wöhler DP 600 Leakage Tester

Mains cable and adapters

Plastic case

Article no.

2678 J



4 Pa-Test with low pressure measurement and data logging.



Tightness testing of all flue gas systems.

#### Function


The Wöhler DP 600 checks the tightness of exhaust ducts and chimneys. The menu enables the user to select between the different installation types. The Wöhler DP 600 regulates automatically the pressure which is necessary for the flue gas systems type P1 (exhaust ducts), H1 (combined heat and power plants, exhaust ducts with high pressure), N1 and N2 (chimneys) and determines the leakage rate automatically.

It also disposes of a variable mode which allows the user to select the test pressure and the leakage rate. This way, tightness tests of ventilation systems or flue gas systems type P2 or H2 are also possible. A thermal fast printer can print all results.

New: Also suitable for the confirmation of a sufficient combustion air supply according to DVGW 625 („simple procedure“ and „detailed procedure“) with the necessary differential pressure test (4 Pa test). No auxiliary measuring instrument will be necessary.

The Wöhler DP 600 simulates the combustion air inlet of a fireplace. After the user has entered the capacity of the fireplace, the Wöhler DP 600 will produce automatically the corresponding volume flow which passes through the chimney and will register the pressure progression in the room.

# ACCESSORIES

		Article no.
Accessories		
	<b>Sealing bladder compact Ø 40 - 150 mm</b> for Wöhler DP 600 Scope of delivery: Sealing bladder Compact Ø 40 - 150 mm without gas lead-through, with connection for telescopic set sealing bladder, Telescopic set sealing bladder compact Ø 40 - 150 mm consisting of extension hoses set incl. extension hoses 1 x 2,5 m / 1 x 5 m / 1 x 10 m and connectors for GRP rods with thread M5, Threaded adapter M5 to M10 for GFK rods with M10 thread, aluminium pressure pump	6795 J
	<b>Sealing bladder compact Ø 40 - 150 mm</b> for Wöhler DP 600 with gas lead through, with connecting hoses for air and pressure	6566 J
	<b>Sealing bladder compact Ø 40 - 150 mm</b> for Wöhler DP 600 without gas lead through, with connection for telescope set sealing bladder and hose with shut-off valve	6560 J
	<b>Sealing Bladder Ø 150 - 350 mm</b> for Wöhler DP 600 with gas lead through	7974 K
	<b>Sealing bladder Ø 350 - 600 mm</b> for Wöhler DP 600 with gas lead through	7966 K
	<b>Sealing Bladder Ø 150 - 350 mm</b> for Wöhler DP 600 without gas lead through	7971 K
	<b>Sealing Bladder Ø 350 - 600 mm</b> for Wöhler DP 600 without gas lead through	7981 K
	<b>Wöhler Replacement Bladder Body</b> for compact bladders Ø 40 - 150	6794 J
	<b>Wöhler Replacement Bladder</b> 150 - 350 mm	6217 K
	<b>Wöhler Replacement Bladder</b> Ø 350 - 600 mm	6215 K
	<b>Telescope Set Sealing Bladder Compact</b> for Wöhler DP 600 Ø 40 - 150 Scope of delivery: Extension hose set incl. extension hoses 1 x 2,5 m / 1 x 5 m / 1 x 10 m, Connector for GRP rods with thread M5, Threaded adapter M5 to M10 for GFK rods with M10 thread	6567 J
	<b>Gas coupling Ø 15 x 31 mm POM black</b> for Wöhler DP 600 for the retrofitting of DP 23 hose systems	4732 J
	<b>Wöhler Telescopic Bladder Ø 150 - 350 mm</b> for Wöhler DP 600 / 23 with 20 m hose for pushing upwards	7938 K
	<b>Filter pads</b> for Wöhler DP 600 / 700 5 pcs.	2617 K

		Article no.
	<b>Sealing set type "N"</b> for Wöhler DP 600, for 20+40 Pa-measurements Scope of supply: Probe Wöhler DP 600 / DP 23, Extension Pipe, Ferrule, Pressure hose 4 m, Air hose 3,75 m, Several foam sealing elements incl. Article no. 11078, 11059, 11066, 11001, 11000	11140 J
	<b>Measuring hose, 1 m long</b>	2338 X
	<b>Sealing Element round with hole Ø 40 mm</b> for measuring tasks   for Wöhler DP 600 / DP 23	
	Ø 110 – 150 mm / 140 mm high	11055 K
	Ø 170 – 210 mm / 140 mm high	11054 K
	Ø 230 – 270 mm / 150 mm high	11068 K
	<b>Sealing Element round without hole</b> for measuring tasks   for Wöhler DP 600 / DP 23	
	Ø 110 – 150 mm / 140 mm high	11056 K
	Ø 140 – 180 mm / 140 mm high	11066 K
	Ø 170 – 210 mm / 140 mm high	11057 K
	Ø 230 – 270 mm / 140 mm high	11058 K
	Ø 290 – 330 mm / 140 mm high	11067 K
	<b>Sealing Element angular with hole Ø 40 mm</b> for measuring tasks   for Wöhler DP 600 / DP 23	
	100 x 200 mm / 150 x 260 mm / 140 mm high	11069 K
	110 x 230 mm / 190 x 310 mm / 140 mm high	11059 J
	220 x 250 mm / 290 x 310 mm / 140 mm high	11074 K
	220 x 330 mm / 350 x 400 mm / 140 mm high	11072 K
	270 x 350 mm / 330 x 400 mm / 140 mm high	11079 K
	270 x 410 mm / 340 x 480 mm / 140 mm high	11075 K
	<b>Sealing Element angular without hole</b> for measuring tasks   for Wöhler DP 600 / DP 23	11077 K
	80 x 160 mm / 160 x 260 mm / 140 mm high	11077 K
	120 x 120 mm / 190 x 190 mm / 140 mm high	11070 K
	120 x 240 mm / 200 x 320 mm / 140 mm high	11078 K
	220 x 220 mm / 290 x 290 mm / 140 mm high	11071 K
	270 x 270 mm / 340 x 340 mm / 140 mm high	11065 K
	330 x 330 mm / 390 x 390 mm / 140 mm high	11073 K
	1000 x 1000 mm / 140 mm high	11076 K
	<b>Extension tube</b> for Wöhler DP 600 3,75 m / Ø 50 mm	50676 O







# Measuring Instruments

## Building / Ventilation

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# PRODUCT OVERVIEW



Wöhler BC 600  
Blower Check

p. 72



Wöhler DP 700  
Leakage Tester

p. 76

Applications		
Blower Door Test	●	
Leakage Testing for ventilation systems		●
Efficiency evaluation of ventilation systems		●
Air speed / air flow in ductwork		
Differential temperature measurement (e.g. flow / return)		
Manifold and Differential Pressure		
CO <sub>2</sub> -detection in rooms, workplaces and garages etc.		
Air humidity measurement in rooms and air ducts (only in rooms)		
4 Pa-Test for supply air		
Air velocity / flow rate in ductwork		
Manifold and Differential Pressure		
Evaluation of the efficiency of an air ventilation system		
Air humidity measurement in rooms and air ducts (room)		
Measured values / instrument technology		
Air speed / air flow in ductwork		
Air velocity		
Temperature	●	
Air humidity	●	
Dew Point / Wet bulb temperature		
CO <sub>2</sub>		
Data transfer		
Datalogger	●	●
PC-Software	●	●
App (iOS / Android / Windows)	●	
Infrared interface for printer	●	●
USB interface		●
WLAN	●	

● = include | ○ = optional



Wöhler DC 410<sup>FLOW</sup>  
Pressure Differential and Flow  
Meter

p. 80



Wöhler FA 410 / 430  
Fan Anemometer

p. 84 / 86

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# PRODUCT OVERVIEW



Wöhler CDL 110  
Datamonitor  
p. 94



Wöhler CDL 210  
CO<sub>2</sub> Datalogger  
p. 95



Wöhler IQ 300  
CO<sub>2</sub> Meter  
p. 96

Applications			
Efficiency evaluation of ventilation systems	●	●	●
Air humidity measurement in rooms and air ducts (only in rooms)	●	●	●
Surface temperature measurement			
Differential temperatur measurement (e.g. flow / return)			
Mold potential			
Measured values / instrument technology			
Temperature	●	●	●
Air humidity	●	●	●
Dew Point / Wet bulb temperature	●	●	●
CO <sub>2</sub>	●	●	●
CO			
Data transfer			
Datalogger		●	
USB interface		●	
PC-Software		●	

● = include | ○ = optional



**Wöhler KM 410**  
Indoor Air Quality Meter  
p. 98



**Wöhler IR Temp 310**  
Infrared Thermometer  
p. 100



**Wöhler DT 310**  
Differential Temperature Meter  
p. 101

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# Wöhler BC 600 Blower Check

Fully automatic airtightness check of building envelope



Product selection  
from p. 74



Accessories  
from p. 75



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## Applications

- ▶ Fully automatic Blower Door measurement
- ▶ Determine airtightness of building envelopes according to DIN EN ISO 9972 / DIN EN 13829
- ▶ Search for leaks in building envelope

## Advantages

- ▶ New, time-saving installation concept
- ▶ Fully automatic performance of measurement series according to DIN EN ISO 9972 / DIN EN 13829
- ▶ Blower fan automatically changes direction for negative and positive pressure measurements; no need to alter the setup during the test
- ▶ Large air flow range 15 to 6000 m³/h without additional orifices
- ▶ Air temperature, absolute pressure and relative humidity measurements integrated
- ▶ Intuitive control per app incl. evaluation, report generation and customer management
- ▶ Multiple device mode: Control up to four BC 600 devices via the app

## Technical Data

Difference pressure	Measuring range	-100...100 Pa
	Resolution display	0,1 Pa
	Accuracy	±0,25 Pa (< ±25,0 Pa) otherwise 1% from measured value
Air flow rate at 50 Pa (extrapolated)	Measuring range	15...6.000 m³/h
	Resolution display	0,1 m³/h
	Accuracy	±5% or 1,5 m³/h (the higher value applies in each case)
Air temperature	Measuring range	-20...50 °C
	Resolution display	0,1 °C
	Accuracy	±0,5 °C
Absolute pressure	Measuring range	300...1200 hPa
	Resolution display	0,1 hPa
	Accuracy	±3 hPa
App	Supported Operating systems	Android (from 4.0.3) / iOS (from 6.1) / Windows 10
	Minimum requirement	WLAN

## Basic Set

### Scope of delivery

Wöhler BC 600 Blower Check  
2 capillary hoses  
18 clamps 220 mm  
4 clamps 120 mm  
Plastic case  
Telescopic rod  
Sealing canvas 1,50 x 2,60 m  
Cover hood  
Connection cable 2,5 m  
Transport bag

Article no.

5600 J





#### Time-saving installation concept

The clamp system included in the scope of delivery can be used for all standard installation situations such as windows or external doors, even for round or sloping openings. For unfinished buildings without window and door frames, an optional additional installation frame is available.



#### Control via app

The fan unit is controlled via the Wöhler BC 600 app, which is simply loaded onto a smartphone, tablet or laptop.



#### Standard-compliant blower door measurement

Fully automatic measuring sequence according to DIN EN ISO 9972 or DIN EN 13829 in the entire volume flow range from 15 - 6,000 m<sup>3</sup>/h without orifice plate change and overpressure and underpressure measurements without fan conversion.



#### Simple setup

Step 1: Attach cloth panel to the fan unit.  
Step 2: Clamp telescopic bar of the fan unit into the window or door frame.  
Step 3: Fix cloth panel with special camps to the window or door frame.



#### Wöhler BC 600 App

The measured values can be sent to mobile end devices via WLAN and processed further via app.

# ACCESSORY SETS



Window Frame

min. 0,80 x 0,90 m  
max. 1,25 x 1,45 m



Door Frame

min. 0,80 x 1,35 m  
max. 1,25 x 2,30 m










Window & Door Frame

min. 0,80 x 0,90 m  
max. 1,25 x 2,30 m

Scope of delivery			
4 x Frame 675 mm	•	•	•
4 x Frame 775 mm	•		•
4 x Frame 1200 mm		•	•
Carrying bag	•	•	•
Article no.	5676 J	5675 J	5671 J

# ACCESSORIES

		Article no.
various Accessories		
	<b>Clamp set</b> 10 large clamps 220 mm	7583 J
	<b>Clamp set</b> 4 small clamps 120 mm	7584 J
	<b>Capillary hose (+/-)</b> for Wöhler BC 600	7582 J
	<b>Wöhler TD 100 Thermal Fast Printer</b> Infrared printer with 1 roll thermal paper and four batteries	4160 I
	<b>Thermal Paper</b> 10 rolls for Thermal Printer Wöhler TD 100 – 12 m long/ roll,	4145 I
	<b>Fog spray gun - Full set</b> At the push of a button it generates a non aggressive oil dust for local leak detection. Includes: fog spray gun, fluid, machine attachment, small replacement attachment with mini-fan , screw-driver, 7 batteries, manual, all in a heavy-duty carrying case	8450 I
	<b>Smoke Pen</b> with 6 smoke refills, each fill for 240 cycles of about 30 sec.	6789 I
	<b>Sealing Set &amp; Hand Pump</b> each 2 sealing plugs for water pipes( Ø 40 mm , Ø 75 mm, Ø 125 mm and Ø 160 mm) each 4 sealing plugs (Ø 50 mm and Ø 110 mm) each 1 sealing bladder (Ø 70 mm – Ø 150 mm) 1 roll transparent tape 66 m, 1 roll textile tape 50 m, hand pump and valve set, plastic case MIDI	4810 J

# Wöhler DP 700 Leakage Tester

Leakage test on ventilation systems and components



Accessories  
from p. 78



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## Applications

- ▶ Leakage tests in large air leakage ranges: From individual components through to complete systems consisting of several 100 m<sup>2</sup>
- ▶ Leakage tests on air-conditioning units, switchgear cabinets, climatic test cabinets, heat exchangers, cabinets for clean room technology and other housings
- ▶ Leakage testing of rooms
- ▶ On-site and laboratory measurements on structural components (e.g. OSB boards, windows)
- ▶ Can be integrated into the final inspection routine of series production runs including optional program remote control, (controlled from a PC via USB port)
- ▶ Suitable for tests of lower output performance (40 l/s), 110 V, 60 Hz

## Advantages

- ▶ Quality assurance in the production and assembly of air ducts and components as well as equipment
- ▶ Additional adapters for air flow rates < 0.3 l/s assure high levels of accuracy
- ▶ Also suitable for leakage tests outside of VAC-systems
- ▶ Easy to operate with operator guidance or expert mode
- ▶ Practical set suitable for a wide range of applications

## Technical Data

Pressure	Principle	piezo-resistive semiconductor sensor
	Measuring range	±7.000 Pa
	Resolution	0,1...±900 Pa, after that 1 Pa
	Accuracy	±0,5 Pa or ±2,5% from measured value
Air volume flow related to 1013 hPa and 20 °C	Prinzip	Hotfilm anemometer
	Measuring range	0,0000...55,00 l/s at 230V, 50 Hz 0,0000...40,00 l/s at 110V, 60 Hz
	Resolution	0,0001 l/s to 0,3000 l/s 0,001 l/s to 3,000 l/s 0,01 l/s from 3,00 l/s
	Accuracy	±0,0009 l/s or 5% from measured value

## Basic Set

### Scope of delivery

Wöhler DP 700 Leakage Tester
Air hose 3,75 m
Air hose 4 m
Pressure hose 10 m
Calibration report
Power cable 2,5 m
Adapter 0,3 / 2 brass nipples
Hose connection for negative pressure
Filter pad
Silicone grease
2 transport cases

Article no. 7135 J

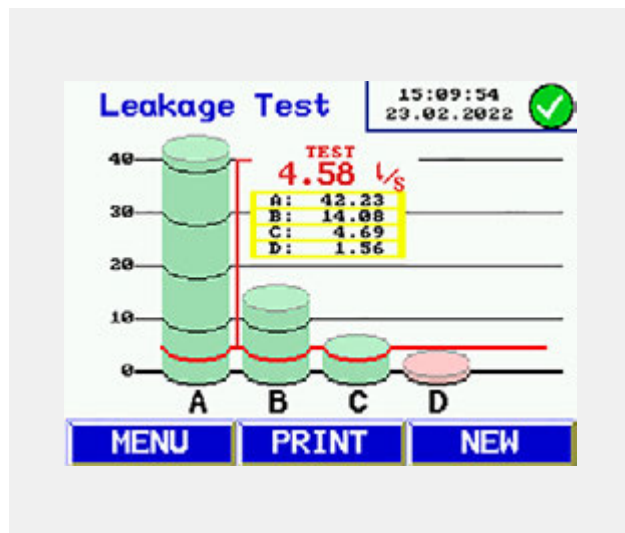



Leakage tests on several 100 m<sup>2</sup> of installed ductwork systems.


Quality control during series production of ducts and components.



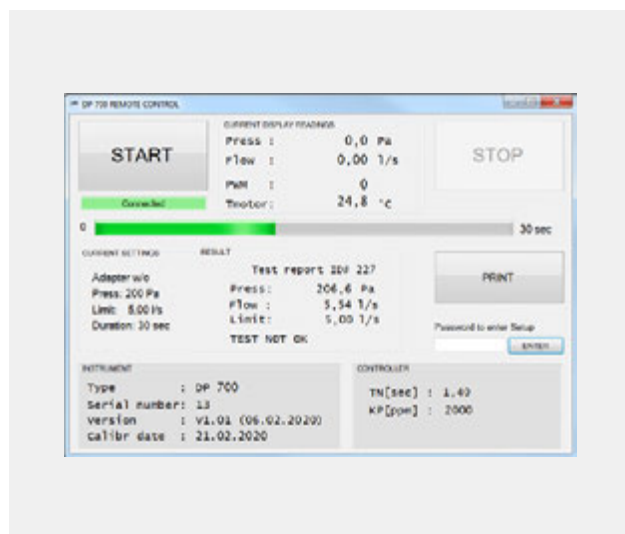
Component test on small, individual components.



Printable graphic representation of results.



Wöhler DC Series PC software for data transmission and subsequent processing (optional documentation set).



Control the Wöhler DP 700 via USB connection with optional remote program control (e.g. to integrate in the final inspection routine of series production).

# ACCESSORY SETS



Documentation Set













Sealing Set round air ducts

Scope of delivery		
Wöhler TD 100 fast thermal printer	•	
10 rolls of thermal paper	•	
Wöhler PC software	•	
USB cable	•	
K-pump with various adapters		•
5 Sealing bladders for round systems size 3 – for nominal size Ø 100 – 250 mm		•
5 Sealing bladders for round systems size 5 – for nominal size Ø 200 – 400 mm		•
5 Sealing bladders for round systems size 10 – for nominal size Ø 315 – 630 mm		•
15 hose clamps suitable for hoses Ø 3,2 – 11 mm		•
Article no.	7130 J	7103 J



# ACCESSORIES

		Article no.
<b>various Accessories</b>		
	<b>Set of capillary hoses (+/-)</b> for Wöhler DP 600 / DP 700 To perform the 4 Pa-Test. Scope of supply: Capillary hose 6 m with (+) port, capillary hose 6 m with (-) port, connector, silicone hose	2670 J
	<b>Air tube</b> 3.75 m - for Wöhler DP 700	21943 J
	<b>Air tube</b> 10 m - Wöhler DP 700	22235 J
	<b>Sealing bladder size 3, set with 5 pcs.</b> for Wöhler DP 700 Ø 100 - 250 mm with 5 clamps	3314 O
	<b>Sealing bladder size 5, set with 5 pcs.</b> for Wöhler DP 700 Ø 200 - 400 mm with 5 clamps	3316 O
	<b>Sealing bladder size 10, set with 5 pcs.</b> for Wöhler DP 700 Ø 315 - 630 mm with 5 clamps	3317 O
	<b>Filter pad Wöhler 5 pcs.</b> for Wöhler DP 600 / DP 700	2617 K
	<b>Wöhler TD 100 Thermal Fast Printer</b> Infrared printer with 1 roll thermal paper and four batteries	4160 I
	<b>Thermal Paper</b> 10 rolls for Thermal Printer Wöhler TD 100 - 12 m long/ roll,	4145 I
	<b>Data Exchange Software</b> for DC 4xx / DP 600 / DP 700 / CFM 600 EN-FR-NL-CZ The Software can be downloaded. You will receive a separate email including the link.	1005 J

# Wöhler DC 410<sup>FLOW</sup> Pressure Differential and Flow Meter

Adjustment and acceptance measurements



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## Applications

- ▶ One instrument for measurement of pressure, air flow, temperature and relative humidity
- ▶ Tested to comply with standards for 'Ventilation for buildings – test procedures & measuring methods for handing over installed ventilation and air conditioning systems'

## Advantages

- ▶ Brilliant full colour OLED display
- ▶ Technician-friendly one hand operation with 4 button keypad
- ▶ Highly accurate with "no drift technology"
- ▶ Pressure resolution of 0.1 Pa
- ▶ Differential temperature with two probes

## Technical Data

Differential pressure measurement	Measuring range	±100 hPa
	Accuracy	< 3% from measured value in the range < ±5 Pa better than ±0,15 Pa
	Resolution	0,01 Pa in the range up to ±99,99 Pa 0,1 Pa in the range -1100...1100 Pa otherwise 1 Pa
Internal temperature measurement	Measuring range	-20...60 °C
External temperature measurement with thermo element type K	Measuring range	2 Channels -20...800 °C
Internal humidity measurement	Measuring range	0...100 % r.F. non condensing
Absolute pressure	Measuring range	300...1100 hPa

## Basic Set

### Scope of delivery

Wöhler DC 410<sup>FLOW</sup> Pressure Differential and Flow Meter

Rechargeable batteries and harger

2 capillary hoses

Case

Article no. 9286 J

## ACCESSORY SETS












Standard Set



Professional Set

Scope of delivery		
Rechargeable batteries and charger	•	•
Plastic case Wöhler DC 4xx	•	•
Telescopic flow probe	•	•
Clamping holder with sealing element	•	•
Capillary hoses	•	•
Air temp. probe	•	•
Wöhler TD 100 thermal printer		•
Wöhler DC series PC software		•
Article no.	6468 J	6418 J

## ACCESSORIES

		Article no.
various Accessories		
	<b>Pitot tube Ø 7 mm</b>	
	35 cm	9487 O
	50 cm	9488 O
	100 cm	9489 O
	<b>Flexible Capillary Hose</b> 3m for Wöhler DC 410FLOW differential pressure measurement between adjoining rooms with Wöhler DC 410Flow, 1 x capillary hose 3 m, connector, silicone hose	4515 J
	<b>Pipe surface temp. probe with velcro</b> thermocouple type K for pipes up to Ø 100 mm	1126 I
	<b>Special Wall Temperature Probe Type W-02</b>	4651 I
	<b>Surface Temperature Probe</b> with clamp, range up to 100°C, clamp for pipes 6 - 35 mm Ø	6679 I
	TF1, Thermoelement type K, up to max. 200 °C / 392 °F	6625 I
	TF2, Thermoelement type K, up to max. 500 °C / 932 °F	6626 I
	TF4, Thermoelement type K, up to max. 600 °C / 1112 °F	6629 I
	<b>Data Exchange Software</b> for DC 4xx / DP 600 / DP 700 / CFM 600 EN-FR-NL-CZ The Software can be downloaded. You will receive a separate email including the link.	1005 J

# Wöhler Telescopic Flow Probe

Volume flow measurement



## Applications

In conjunction with Wöhler DC 410<sup>FLOW</sup> Pressure Differential and Flow Meter:

- ▶ Air speed and temperature measurement
- ▶ Grid measurement in rectangular ducts (trivial method according to DIN EN 12599)
- ▶ Flow measurement in round ducts (median line method according to DIN EN 12599)

## Advantages

- ▶ Telescopic tube up to 0,8 m
- ▶ Position of probe visible from outside for easy positioning
- ▶ Automatic detection of position with Wöhler DC 410<sup>FLOW</sup>
- ▶ 2 simple and tight fixations in the measuring opening
- ▶ Screw or clamp into measuring opening
- ▶ S-type probe, better effective signal than prandtl tubes
- ▶ Simultaneous measurement of air speed and temperature
- ▶ Temperature and barometric pressure compensated flow

## Technical Data

Extension length Telescope	110 cm	
Metrication on the cable	resolution 1 cm	
Required measuring hole	without fixation	from Ø 10 mm
	with clamp	Ø 20 – 35 mm
	without clamp (with screw-in cone)	Ø 20 – 30 mm
Pitot factor	0,86	
Working temperature	< 70 °C	
Measuring range Temperatur	-20...200 °C	
Measuring range flow velocity	0,13...130 m/s (with Wöhler DC 410 <sup>FLOW</sup> )	

## Basic Set

### Scope of delivery

Air velocity and temperature measurement

System measurement in rectangular ventilation ducts (Trivial method according to DIN EN 12599)

Volumetric flow rate measurement in round ventilation ducts (Method of centroidal axis according to DIN EN 12599)






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Article no.

1012 J

# ACCESSORIES

		Article no.
<b>various Accessories</b>		
	<b>Clamp holder</b> for Wöhler telescopic flow probe for drills Ø 20 - 35 mm	1044 I
	<b>Sealing element for clamp holder</b> for Wöhler telescopic flow probe pack of 2 pcs.	1078 K
	<b>Cover labels, aluminium,</b> Ø 40 mm, in a block with 100 pieces	2550 I
	<b>Sealing caps</b> for sealing of measurement openings pack with 50 pcs.	8514 I
	<b>Sheet drill Ø 4-20 mm</b>	2476 I

# Wöhler FA 410 Fan Anemometer

Volume flow measurement and air quality



## Applications

- ▶ Measurement of air speed, temperature and humidity at air vents
- ▶ Detection of air leaks
- ▶ Integrated measurement of volume flow
- ▶ Direct measurement of volume flow at air vents in combination with the cone

## Advantages

- ▶ Easy handling with automatic identification of the cone
- ▶ Measurement report via IR-transfer to the Wöhler TD 100 Thermal Fast Printer
- ▶ Hold-Function
- ▶ Selectable units: m/s, fpm, m<sup>3</sup>/h, CFM, °C, °F, cm<sup>2</sup>, Inch<sup>2</sup>
- ▶ Wöhler Telescope Handle e.g. for ceiling vents
- ▶ Parallel measurement of volume flow, air velocity and air temperature
- ▶ Backlight LC display

## Technical Data

Measuring range	Flow velocity	0,5...30 m/s
	Air volume flow	0...99.999 m <sup>3</sup> /h
	Temperature	-20...60 °C
	Relative humidity	0,1...99,9 %
Resolution	Flow velocity	0,1 m/s
	Air volume flow	0,1 m <sup>3</sup> /h (0...9.999,9 m <sup>3</sup> /h) or 1 m <sup>3</sup> /h (10.000...99.999 m <sup>3</sup> /h)
	Temperature	0,1 °C / °F
	Relative humidity (r.F.)	0,1%
Accuracy	Flow velocity	±(1,5% from measured value +0,3 m/s) under 20 m/s ±(3% from measured value +0,3 m/s) over 20 m/s
	Temperature	±0,6 °C
	Relative humidity	±3% (at 25 °C) otherwise ±5%
	Impeller	Ø 10 cm

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## Wöhler FA 4xx App

The measurement data can be sent to mobile devices via Bluetooth® and further processed via an app.





# PRODUCT SELECTION



Basic Set



Standard Set

Scope of delivery		
Wöhler FA 410 Fan Anemometer	•	•
4 x AAA batteries	•	•
Plastic carrying case	•	•
Wöhler FA 4xx measuring funnel set with rectangular and round measuring funnel		•
In a handy carrying bag; funnels can be clipped onto the fan anemometer		•
Rectangular funnel: 346 x 346 mm		•
Round funnel: Ø 210 mm		•
Article no.	4146 I	4155 I

# Wöhler FA 430 Fan Anemometer incl. CO<sub>2</sub>-Measurement

Volume flow measurement and air quality



## Applications

- ▶ Measurement of air velocity, temperature, humidity, CO<sub>2</sub> at the air vents
- ▶ Integrated measurement of flow rate
- ▶ Direct measurement of flow rate at the air nozzle in combination with a funnel
- ▶ Determination of the inlet and exhaust air quality

## Advantages

- ▶ Two measurements in one step: determination of flow rate and evaluation of the inlet and exhaust air quality via CO<sub>2</sub>, T, RH
- ▶ Easy handling with automatic identification of the cone
- ▶ Measurement report via IR-transfer to the Wöhler TD 100 Thermal Fast Printer
- ▶ Wöhler Telescope Handle e.g. for ceiling vents
- ▶ Selectable units: m/s, fpm, m<sup>3</sup>/h, CFM, °C, °F, cm<sup>2</sup>, Inch<sup>2</sup>, ppm, %, RH, WBT, DP
- ▶ Determination of the dew point and wet bulb temperature
- ▶ Hold-Function
- ▶ Min- / Max-Function
- ▶ Backlight LC display
- ▶ Simultaneous measurement of wet bulb temperature and dew point

## Technical Data

Measuring range	Flow velocity	0,5...30 m/s
	Air volume flow	0...99.999 m <sup>3</sup> /h
	Temperature	-20...60 °C
	Relative humidity	0,1...99,9 %
	CO <sub>2</sub>	0...9.999 ppm
Resolution	Flow velocity	0,1 m/s
	Air volume flow	0,1 m <sup>3</sup> /h (0...9.999,9 m <sup>3</sup> /h) or 1 m <sup>3</sup> /h (10.000...99.999 m <sup>3</sup> /h)
	Temperature	0,1 °C / °F
	Relative humidity (r.F.)	0,1 %
	CO <sub>2</sub>	1 ppm
Accuracy	Flow velocity	±(1,5 % from measured value +0,3 m/s) under 20 m/s ±(3 % from measured value +0,3 m/s) over 20 m/s
	Temperature	±0,6 °C
	Relative humidity	±3 % (at 25 °C) otherwise ±5 %
	CO <sub>2</sub>	±30 ppm ±5 % from measured value (0...5.000 ppm)
	Impeller	Ø 10 cm

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## Wöhler FA 4xx App

The measurement data can be sent to mobile devices via Bluetooth® and further processed via an app.



# PRODUCT SELECTION



Basic Set



Standard Set

Scope of delivery		
Wöhler FA 430 Fan Anemometer incl. CO <sub>2</sub> -Measurement	•	•
4 x AAA batteries	•	•
Plastic carrying case	•	•
Wöhler FA 4xx measuring funnel set with rectangular and round measuring funnel		•
In a handy carrying bag; funnels can be clipped onto the fan anemometer		•
Rectangular funnel: 346 x 346 mm		•
Round funnel: Ø 210 mm		•
Article no.	10132	4156

# Fog Spray Gun

Visualisation of air flows



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## Applications

- ▶ Visualisation of air flow e.g. for localisation of leaks in and around buildings
- ▶ Leakage detection on air ducts
- ▶ Control of backdraught at gas boilers
- ▶ Control of kitchen hoods

## Advantages

- ▶ Ergonomic
- ▶ Quick
- ▶ Light weight
- ▶ Visualisation of air flows, e.g. to locate leaks in and around the building, air flows at air diffusers
- ▶ Detection of the finest flows through a pistol attachment
- ▶ generates a non-aggressive oil mist for local leak detection at the push of a button

## Basic Set

### Scope of delivery

Fog Spray Gun

Fluid

6 batteries

Article no.

84511

# Fog Spray Gun Full Set

Visualisation of air flows

## Applications

- ▶ Visualisation of air flow e.g. for localisation of leaks in and around buildings
- ▶ Leakage detection on air ducts
- ▶ Control of backdraught at gas boilers
- ▶ Control of kitchen hoods

## Advantages

- ▶ Ergonomic
- ▶ Quick
- ▶ Light weight
- ▶ Visualisation of air flows, e.g. to locate leaks in and around the building, air flows at air diffusers
- ▶ Detection of the finest flows through a pistol attachment
- ▶ generates a non-aggressive oil mist for local leak detection at the push of a button



3



## Basic Set

### Scope of delivery

Fog Spray Gun

Fluid

7 batteries

Machine attachment and small replacement attachment

Screw-driver

Heavy-duty carrying case

Article no. 8450 I

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# Smoke Pen

Visualisation of air flows



## Applications

- ▶ Visualisation of air flows
- ▶ Control of smoke detectors by matching smoke particle size

## Advantages

- ▶ Quick
- ▶ Handy like a pen
- ▶ Re-usable



## Basic Set

### Scope of delivery

6 smoke refills  
each fill for 240 cycles of about 30 sec.

Article no.

6789 I

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# Wöhler DTEST Dust Surface Density

Determination of the broom cleanliness / dust concentration of a room air conditioning system

## Applications

- ▶ Quick determination of dust surface density / level of cleanliness of air guiding surfaces according to DIN EN 15780
- ▶ For documentation before and after cleaning

## Advantages

- ▶ On site result, no lab necessary
- ▶ Compact full set:
  - Scale
  - Test cloths
  - Solvent
  - Gloves
- ▶ Compelling results

## Technical Data

Scale	Max. Weighing capacity	20 g
	Resolution	0,001 g < 10 g 0,002 g > 10 g
	Accuracy	±0,006 g < 10 g ±0,012 g > 10 g
Magnetic template	F (Inner circle)	100 cm <sup>2</sup>
Solvent	Acetone, isopropanol	
Test wipes	100 % Polypropylene spray fibers	

## Basic Set

### Scope of delivery

Scale
30 test cloths 110 x 190 mm
Each 2 x 50 ml Aceton and Isopropanol
Magnet disc 100 cm <sup>2</sup>
2 test cans
1 overhead marker
30 pairs of disposable gloves
Plastic case

Article no. 8704 J



3



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# Wöhler UL 23 Ultrasonic Leak Detector

Leak detection on pressure systems



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## Applications

Leak detection at e.g.:

- ▶ Gas lines
- ▶ Water lines
- ▶ Refrigerant units
- ▶ Pneumatic systems
- ▶ Hydraulic systems
- ▶ Vacuum systems
- ▶ Electrical systems: switches, relays and other contacts

## Basic Set

### Scope of delivery

Wöhler UL 23 ultrasonic leak detector

Headset

Wave guide

Sonic probe

Article no. 3620 I

## Standard Set

### Scope of delivery

Wöhler UL 23 ultrasonic leak detector

Wöhler US 23 ultrasonic sound generator

Headset

Wave guide

Sonic probe

Wave conductor

Plastic case

Article no. 3630 I

# Wöhler SP 22 Sound Level Meter

Automatic / manual sound level measurement in six measuring ranges

## Applications

- ▶ Automatic or manual sound level measurement in six measuring ranges from 30 to 130 dB
- ▶ Background noise can be suppressed, allowing accurate sound level measurement even in noisy environments
- ▶ The unit has a PC interface for continuous data transfer
- ▶ Assessment of the sound level in offices and living rooms
- ▶ Sound development at exhaust systems
- ▶ Noise measurement at workplaces

## Advantages

- ▶ Various measurement level ranges and evaluation modes
- ▶ Background noise suppression functions
- ▶ Max-Hold function to freeze the maximum value

## Technical Data

Measuring range	31,5...8 kHz
Accuracy	±1,5 dB
A-weighted measurement	30...130 dB
C-weighted measurement	35...130 dB
Measurement level ranges	30...80 dB / 40...90 dB / 50...100 dB / 60...110 dB / 70...120 dB / 80...130 dB
Auto. Measuring range	30...130 dB
Display	4-digit LCD
Resolution	0,1 dB Update every 0.5 sec.
Display range	50 dB

## Basic Set

### Scope of delivery

Wöhler SP 22 Sound Level Meter

Batteries

Plastic case

Article no.

6670 I



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# Wöhler CDL 110 CO<sub>2</sub> Datamonitor

Assessment of indoor air quality



## Applications

- ▶ Comprehensive assessment of indoor air quality according to VDI 6022 Part 3 in assessment level 1 by combined measurement and determination of
  - CO<sub>2</sub> content / air temperature / humidity
- ▶ Also for the determination of
  - Dew point / wet bulb temperature
- ▶ The device is suitable for checking the effect of air-conditioning and ventilation systems in meeting and conference rooms, schools, kindergartens, etc.

## Advantages

- ▶ Comfort display with adjustable limit values and acoustic and visual alarm function

## Technical Data

CO <sub>2</sub> -measurement	Measuring range	0...9.999 ppm
	Resolution	1 ppm
	Accuracy	±50 ppm ±5 % from measured value (0...2.000 ppm)
Temperature	Measuring range	-10...60 °C
	Resolution	0,1°C
	Accuracy	±0,6 °C (±0,9 °F)
Humidity	Measuring range	5...95 % r.F.
	Resolution	0,1% r.F.
	Accuracy	at 20...90 % 25 °C: ±5 % r.F. otherwise: ±7 % r.F.
Power supply	AC power supply 5V	

## Basic Set

### Scope of delivery

Wöhler CDL 110 CO<sub>2</sub> Datamonitor

Power supply

Article no.

8500 I

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# Wöhler CDL 210 CO<sub>2</sub> Datalogger

## Assessment of indoor air quality

### Applications

- ▶ Comprehensive assessment of the indoor air quality and ventilation situation as well as problem analysis (discomfort, humidity / mould / concentration problems) by means of a combined permanent measurement and determination
  - of the CO<sub>2</sub> content
  - air temperature
  - the air humidity
- ▶ Support of correct ventilation behaviour through visual and acoustic prompts to ventilate, e.g. in
  - Living rooms
  - Meeting / recreation rooms in commercial and public areas (e.g. schools)

### Advantages

- ▶ Comfort display with adjustable limit values and acoustic and visual alarm function
- ▶ Datalogger with adjustable log rates
- ▶ Adjustable alarm function reminds to supply fresh air, thus preventing the spread of viruses (e.g. the corona virus) in closed rooms
- ▶ Continuous data transmission for online measurement and monitoring

### Technical Data

CO <sub>2</sub> -measurement	Measuring range	0...9.999 ppm
	Resolution	1 ppm
	Accuracy	±50 ppm ±5 % from measured value (0...2.000 ppm)
Temperature	Measuring range	-10...60 °C
	Resolution	0,1 °C
	Accuracy	±0,6 °C (±0,9 °F)
Humidity	Measuring range	5...95 % r.F.
	Resolution	0,1 % r.F.
	Accuracy	at 10...90 % 25 °C: ±3 % r.F. otherwise: ±5 % r.F.
Power supply	AC power supply 5V	

### Basic Set

#### Scope of delivery

Wöhler CDL 210 CO<sub>2</sub> Datalogger

Power supply

Data cable

PC software

Article no. 6648 I



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# Wöhler IQ 300 CO<sub>2</sub> Meter

Indoor air quality monitoring



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### Applications

- ▶ The Wöhler IQ 300 CO<sub>2</sub> meter is ideal for monitoring air quality in classrooms, waiting rooms, seminar rooms, etc.
- ▶ Via a bright traffic light LED and a clear audible tone, the Wöhler IQ 300 warns when ventilation is required

### Advantages

- ▶ Ideal for monitoring indoor air quality (good, normal, poor)
- ▶ Bright traffic light LED bar
- ▶ Alert tone
- ▶ Large display of the CO<sub>2</sub> level
- ▶ Adjustable to individual preferences
- ▶ Trend display on the development of indoor air quality

### Technical Data

Carbon dioxide	Range	0...9.999 ppm
	Resolution	±50 ppm ±5 % of measured value at 0...2.000 ppm ±10 % of measured value at > 2.000 ppm
	Accuracy	1 ppm
°C-Measurement	Range	-0...50 °C
	Resolution	±0,6 °C (0,9 °F)
	Accuracy	0,1 °C
Rel. air humidity	Range	0,1...99,9 %
	Resolution	±5 % at 10...90 % r.F. and 25 °C, otherwise 7 %
	Accuracy	0,1 % r.F.

### Basic Set

#### Scope of delivery

Wöhler IQ 300 CO<sub>2</sub> Meter  
Power supply 5V  
USB-C cable

Article no. 4750 A





Via a brightly illuminated traffic light LED bar and an alert tone, the Wöhler IQ 300 warns people in a room when it is time to ventilate. The large display also shows clearly visibly when the air quality becomes critical.



A quick glance at the device is enough to assess the indoor air quality and trend. This is ensured by the colored traffic light LED bar and the large display.



Fixed stand with different tilt angles:

- Tripod Mount
- Wall mount
- Table stand

# Wöhler KM 410 IAQ Instrument

Assessment of indoor air quality



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## Applications

- ▶ The Wöhler KM 410 IAQ Instrument is the perfect instrument for verifying HVAC system performance and air ventilation control, it measures
  - CO<sub>2</sub>-content
  - Air temperature
  - Air humidity
  - CO-content
  - Dew point
  - Wet bulb temperature

## Advantages

- ▶ Large LC display with blue backlight to use in dark area
- ▶ Acoustical and visual alarm function
- ▶ Max/Min-values
- ▶ Hold function freezes current readings
- ▶ Mini USB output to PC for analysis
- ▶ Datalogger

## Technical Data

CO <sub>2</sub> measurement (NDIR-Sensor)	Measuring range	0...5.000 ppm (5.001...9.999 ppm outside the spec. range)
	Resolution	1 ppm
	Accuracy	±30 ppm ±5% (0...5.000 ppm)
CO measurement	Measuring range	0...1.000 ppm
	Resolution	1 ppm
	Accuracy	±10 ppm for less than 100 ppm ±10% between 101...500 ppm ±20% over 501 ppm
Temperature	Measuring range	-20...60 °C (-5...140 °F)
	Resolution	0,1 °C (0,1 °F)
	Accuracy	±0,5 °C (±0,9 °F)
Relative humidity	Measuring range	0,1...99,9 % r.F.
	Resolution	0,1% r.F.
	Accuracy	±3% at 10...90 % r.F. und 25 °C, ±5% r.F. under other values and 25 °C
Service life with continuous operation		24 hours

## Basic Set

### Scope of delivery

Wöhler KM 410 IAQ Instrument

4 AA-Batteries

USB-Data Cable

PC-Software

Manual and plastic case

Article no.

4280 I

# Wöhler RF 220 Hygrotemp

Determination of room humidity in living spaces / workplaces / air ducts

## Applications

- ▶ Quick test of relative humidity within buildings and offices
- ▶ Air conditioning test
- ▶ Building inspection for mold and other humidity related problems
- ▶ The dew point and wet bulb temperature are calculated online from the current air humidity and temperature

## Advantages

- ▶ Remote probe
- ▶ Hold function
- ▶ Min / max / average memory
- ▶ Backlight

## Technical Data

Relative humidity	Measuring range	0...99 % r.F. (non-condensing)
	Accuracy	±3 % r.F. (10...90 %) otherwise ±5 % r.F.
Temperature	Measuring range	-10...60 °C
	Accuracy	±1 °C
Dew point	Measuring range	-73,4...59,9 °C
Wet bulb temperature	Measuring range	-13,4...+59,9 °C
Storage temperature	-20...60 °C	
Working temperature	0...50 °C	

## Basic Set

### Scope of delivery

Wöhler RF 220 Hygrotemp  
4 x AAA batteries  
Plastic case

Article no. 6615 I



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# Wöhler IR Temp 310 Infrared Thermometer

Detecting thermal bridges



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## Applications

- ▶ Multifunctional infrared thermometer
  - Easy detection of thermal bridges
  - Assessment of mould growth potential
  - Assessment of the indoor climate

## Advantages

- ▶ Thermal bridge search with coloured display of temperature tendency
- ▶ Display of surface and dew point temperature with representation of mould hazard potential
- ▶ Adjustable temperature limits with acoustic, visual and haptic alarms
- ▶ External temperature sensor can be connected - e.g. surface temperature sensor, temperature sensor for determining the specific emission factor (see Accessories)
- ▶ Display of relative humidity and humidity and dry-bulb temperature Measuring range display by laser measuring circuit
- ▶ Storage of 50 data sets (incl. emission factor)

## Technical Data

Measuring range	IR	-60...550 °C
	external, thermocouple type-K	-64...1400 °C
	Humidity sensor	1...99 %
Accuracy	±1 °C or ±1 % from measured value	
Resolution	0,1 °C	
Distance / Measuring spot	12:1	
Reaction time	1 sek.	
Storage capacity	50 Records (incl. emission factor)	
Emission factor	0,95 preset, adjustable from 0.1 to 1	
Display	permanently backlit LCD	

## Basic Set

### Scope of delivery

Wöhler IR Temp 310 Infrared Thermometer

Batteries

Article no.

1388 I

# Wöhler DT 310 Differential Temperature Meter

Measure temperature difference

## Applications

- ▶ Simple measurement of differential temperature
- ▶ Temperature measurement of flow and return surface temperature of water and flue lines

## Advantages

- ▶ Display of differential temperature (two probes required)
- ▶ Simultaneous display of both temperature readings
- ▶ Optional temperature probes, classes K, J, T
- ▶ Run / Hold Function
- ▶ Back light
- ▶ MIN and MAX memory with date and time stamp

## Technical Data

Measuring range	Type K	-200...1370 °C / 0,1 °C
Accuracy	Type K	-200...1370 °C (± 0,3% from measured value 0,7°C)
Resolution	Type K	-200...650 °C / 0,1 °C 640...1370 °C / 1 °C

## Basic Set

### Scope of delivery

Wöhler DT 310 Differential Thermometer  
2 surface probes (type K)  
Battery  
Plastic case

Article no. 6622 I



3



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# Wöhler IR Hygrotemp 24

Assess indoor climate



## Applications

- ▶ Non-contact surface temperature measurement
- ▶ Measurement of air temperature and relative humidity
- ▶ Dew point and wet bulb calculation

## Advantages

- ▶ One instrument for evaluation of the room climate
- ▶ Determination of air temperature, humidity and wall temperature via infrared measuring
- ▶ IR temperature measurement ratio 8:1
- ▶ Adjustable emissivity factor 0,30...0,99
- ▶ Calculation of dew point temperature, temperature difference, wet bulb temperature and dew point distance temperature

## Technical Data

Air temperature	Measuring range	-20...50 °C, $\pm 0,6$ °C
	Resolution	0,1 °C
IR temperature	Measuring range	-40...500 °C
	Accuracy	$\pm 2$ %, 2 °C (-20...450 °C) otherwise $\pm 3$ % or 3 °C
	Resolution	0,1 °C
	Distance / Measuring spot	8:1
	Emission factor	0,30...0,99, adjustable
	Reaction time	500 msek.
Humidity	Measuring range	0...99 % r.F. (non-condensing)
	Accuracy	$\pm 3$ % r.F. at 10...90 % r.F., otherwise $\pm 5$ % r.F.
	Resolution	0,1 % r.F.
	Wet bulb temperature	-21,6...49,9 °C
	Display	permanently backlit LCD

## Basic Set

### Scope of delivery

Wöhler IR Hygrotemp 24

Batteries

Plastic case

Article no.

66031

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# Wöhler GT 300 Globe Thermometer

Objective Assessment of Comfort

## Applications

- ▶ Objective Assessment of Comfort
- ▶ Measurement of globe temperature, wet bulb temperature, ambient air temperature and humidity
- ▶ Measurement in context with the energetic inspection of air conditioners

## Advantages

- ▶ Determination of several parameters, responsible for the objective comfort, at a glance
- ▶ Large screen
- ▶ Compact design, probe included

## Technical Data

Air temperature	Measuring range	0...50 °C (32...122°F)	
	Accuracy	±0,6 °C	
	Resolution	0,1 °C / °F	
Radiation temperature	Measuring range	0...80 °C (32...176 °F)	
	Accuracy	inside	±1 °C (at 15...40°C), otherwise ±1,5 °C
		outside	±1,5 °C (at 15...40°C), otherwise ±2 °C
	Resolution	0,1 °C / °F	
Relative humidity	Measuring range	0,1...99,9 % RH	
	Accuracy	±3% RH (at 10...90%), otherwise ±5% RH	
	Resolution	0,1% RH	

## Basic Set

### Scope of delivery

Wöhler GT 300 Globe Thermometer

Batteries

USB-Cable

Plastic Case

Article no. 6755 I



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# Wöhler M 603 Leakage Tester

Tightness test on waste water pipes



Accessories  
from p. 108



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## Applications

- ▶ Measurements at waste water pipes according to DIN EN 1610
- ▶ Data logging
- ▶ Detection of metal pipes in combination with Wöhler L 200
- ▶ Further pressure and temperature measurements (as well in combination with external probes)
- ▶ Data management via PC with the Wöhler M-series PC-software
- ▶ Data management at your mobile device with the Wöhler Smart Connect app

## Advantages

- ▶ From beginners to professionals - complex tasks made easy and accurate
- ▶ Intuitive handling with the large 5" color touchscreen
- ▶ Perfectly equipped with a wide range of Accessories
- ▶ Made for tough conditions, DVGW certified and TUV approved

## Technical Data

Display	5" colour touch-screen	
Differential pressure (temperature compensated Piezo-bridge)	Range	±3 bar
	Accuracy	< 3 % of measured value in the range < ±200 Pa better than ±6 Pa
	Resolution	1 Pa in the range -210...210 hPa otherwise 10 Pa
Internal temperature measurement	Range	-20...60 °C
Power	Lithium-Ion battery 17h standby	
Approved and certified according to DVGW, G 5952		

## Basic Set

### Scope of delivery

Wöhler M 603 Leakage Tester

Lithium-ion battery

Hand strap

Measuring tube 1,5 m

Power supply with USB cable

Article no.

11377 J

# ACCESSORY SETS



Comfort-Set  
Waste Water



Professional-Set  
Waste Water

Scope of delivery		
Sealing bladder Ø 65 - 100 mm	•	•
Sealing bladder Ø 75 - 150 mm		•
Test bladder with gas bushing Ø 65 - 100mm	•	•
Test bladder with gas bushing Ø 75 - 150 mm		•
Connecting hoses 2 / 4 / 6 m each	•	•
Valve block	•	•
Connection hose valve block / pump 1,4 m	•	•
Steel wire rope Ø 12 mm with 2 carabiners		•
Aluminium-pressure pump	•	•
Viper Ø 7 mm / 15 m		•
Wöhler TD 100 Thermal Fast Printer		•
PC-software		•
Plastic case MAXI	•	•
Article no.	12118 J	12117 J

# Wöhler SC 660 Smart Connect

Water Line Tightness Check



Accessories  
from p. 108



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## Applications

- ▶ Measurements at drinking water pipes according to DIN EN 806
- ▶ Logger function
- ▶ Temperature measurements with internal and external sensor

## Advantages

- ▶ High measurement range up to 60 bar
- ▶ Digital wireless connection
- ▶ Fully functional stand-alone device with display
- ▶ Possibility of live measurements, logger measurements and measurements according to DIN EN 806-4 in connection with the Wöhler Smart Connect App
- ▶ Pressure, temperature, relative humidity and ambient pressure
- ▶ Wide collection of adapters for different situations
- ▶ Optional available Lithium-Polymer battery for extended use

## Technical Data

Differential pressure	Range	-1..60 bar
	Overload	65 bar
	Accuracy	< 3 % of measured value, in the range $\pm 1$ bar better than 0,03 bar
	Resolution	0,01 bar
Internal temperature measurement	Range	-20..60 °C
	Accuracy	< $\pm 1$ °C
	Resolution	0,1 °C
External temperature measurement	Range	-20..800 °C
	Accuracy	< $\pm 1$ °C in the range -20..67 °C, otherwise 1,5 % of measured value, acc. to EN 50379-1
	Resolution	0,1 °C

## Basic Set

### Scope of delivery

Wöhler SC 660 Smart Connect

Batteries

Hand loop

Bag

Article no. 10133 J

# ACCESSORY SET



Comfort-Set  
Drinking Water



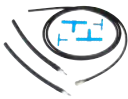







Scope of delivery		
Plastic case MIDI		•
Angle adapter 1/4" SAE 90°		•
High pressure lock G1/2 AG 1/4" SAE wall plate		•
Measurement adapter G3/4 IG 1/4" SAE tap		•
Measurement adapter G3/8 IG 1/4" SAE angle valve		•
Measurement adapter M 24 AG 1/4" SAE aerator		•
Measurement adapter M 22 IG 1/4" SAE shower hose		•
Clamp temperature probe Type K		•

Article no. 10096 J

**Wöhler Smart Connect App**  
Measurement data can be transferred via Bluetooth to your mobile device and can be further used with the app.



# ACCESSORIES

		Article no.
Accessories gas pipe testing		
         	<b>Professional-Set Pipe Location</b> Scope of delivery: Wöhler L 200 Locator, Connection cable, Contact clamp large, Contact clamp small	11150 J
	<b>Wöhler Gas Pipe Tightness Set</b> Scope of delivery: Valve block with 4 connection hoses (length 1 m) with fast connection each, 2 conical closing plugs, Single closure, Pressure pump	10063 I
	<b>Pressure Measurement Set</b> for Wöhler Digital Manometer incl. plastic connector Ø 4 mm, plastic reducing adaptor Ø 5 – 8 mm, plastic T connector Ø 4 mm, plastic T connector Ø 8 mm, silicone hose Ø 3,5 mm x 1,5 m Black, silicone hose Ø 7,5 mm x 1,5 m black	56126 I
	<b>Adapter gas counter DN 32</b> with connector maxi	21574 K
	<b>High pressure plug 1/2" and 1"</b> with gasket rings	7213 O
	<b>High pressure plug 3/8" &amp; 3/4"</b> with gasket rings	7214 O
	<b>High pressure plug 1/4"</b> with gasket and plug nipple MAXI	21602 O
	<b>High Pressure lock 1/8"</b>	21612 O
	<b>High pressure plug 1 1/4"</b> with plug nipple Maxi for two-pipe gas meter 2 pack	11023 K
	<b>High pressure lock G1/2 AG 1/4" SAE</b> for Wöhler SC 660 Wall plate	8843 K



Article no.

**Accessories gas pipe testing**

**Adapter M22x1 IG 1/4" SAE**  
for Wöhler SC 660  
Shower hose

11178 I



**Adapter M24x1 AG 1/4" SAE**  
for Wöhler SC 660  
Aerator

11179 I



**Adapter G3/4 IG 1/4" SAE**  
for Wöhler SC 660  
Tap

8856 I



**Adapter G3/8 IG 1/4" SAE**  
for Wöhler SC 660  
Angle valve

8857 I



**Flex-Adapter G1/8"**  
for measurements at gas regulators

11144 J



**Angle adapter 1/4" SAE 90°**  
for Wöhler SC 660

8841 I



**Connection adapter**

11184 J



**Gas bladder**  
for Wöhler Gas leakage tester  
Gas bladder with self-locked coupler for measuring the leakage rate with gas with the Wöhler DC 430

9232 J



**Servicebag**  
Scope of delivery: Silicon grease, Wadding filters, O-ring, Smart Plug

9243 K



**Injection 150 ml**

4765 J



# Visual Inspection

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# PRODUCT OVERVIEW



Wöhler VIS 700  
HD Visual Inspection System

p. 118

## Applications

Dry environments e.g. flue gas systems	from Ø 125 mm	•
	Ø 100 to Ø 125 mm	•
	Ø 70 to Ø 100 mm	•
	Ø 40 to Ø 70 mm	•
Wet environments e.g. waste water pipes	from Ø 40 mm	•
Twin walls, cavities, ducts		•

## Operation features

Camera heads	Wöhler pan- and tiltable camera head Ø 40 Wöhler miniature camera head Ø 26	
Video memory (SD and USB storage)	SD Card 32 GB	
Focus	electronically adjustable focus range	•
Quick keys	photo, video and focus	•
Live image transmission via Wireless LAN		•
Documentation	photo, video and voice recording, text descriptions via touch screen	•
DM = digital distance counter (resolution 0,023 m)		•
MC = cable with length marking (resolution 0,1 m)		
Locating the camera head with Wöhler L 200 Locator		•
Centering of the pan- and tiltable camera head (home function)		•

• = included



Wöhler VIS 700  
HD Cable Camera

p. 118

•
from top to bottom
•
from top to bottom
•
from top to bottom
•
from top to bottom
•
from top to bottom
•
from top to bottom

Wöhler pan- and tiltable camera head Ø 40 Wöhler miniature camera head Ø 26
SD Card 32 GB
•
•
•
•
•
•
•
•

# PRODUCT OVERVIEW



**Wöhler VIS 500**  
Visual Inspection Camera

p. 122



**Wöhler VIS 500**  
Cable Camera

p. 122

Applications		
Main application		Inspection of sewage and air ducts / exhaust systems
Dry environments e.g. flue gas systems	from Ø 125 mm	•
	Ø 100 to Ø 125 mm	•
	Ø 70 to Ø 100 mm	•
	Ø 40 to Ø 70 mm	•
Wet environments e.g. waste water pipes	from Ø 125 mm	•
	Ø 70 to Ø 125 mm	•
	Ø 40 to Ø 70 mm	•
Twin walls, cavities, ducts		•

Operation features (depending on model)		
Camera heads	Wöhler pan- and tiltable camera head Ø 40 Wöhler miniature camera head Ø 26	Wöhler pan- and tiltable camera head Ø 40 Wöhler miniature camera head Ø 26
Video memory	Internal 4 GB extendable with USB stick	Internal 4 GB extendable with USB stick
DM = digital distance counter (resolution > 0,04 ml)	•	•
Video output (RCA)		
Built-in sonde for location with Wöhler L 200 Locator	•	•
Still photo	•	•
Audio recording	•	•

• = included





Wöhler VIS 350 PLUS  
Visual Inspection System

p. 126



Wöhler VIS 300 / 350  
Visual Inspection System

p. 130



Wöhler VIS 200 / 250  
Visual Inspection System

p. 134

Inspection of sewage and air ducts / exhaust systems	Inspection of sewage and air ducts / exhaust systems	Inspection of ducts/air ducts/ exhaust systems
•	•	
•	•	•
•	•	•
•		•
•	•	
•	•	
•		•
•	•	•
Wöhler pan- and tiltable camera head Ø 40 Wöhler miniature camera head Ø 26	Wöhler pan- and tiltable camera head Ø 40	Wöhler miniature camera head Ø 26
SD Card 4 GB	SD Card 4 GB	SD Card 4 GB
•	•	•
•	•	•
•	•	•
•	• only VIS 350	• only VIS 250

# PRODUCT OVERVIEW



Wöhler VE 400  
HD Video Endoscope  
p. 146



Wöhler VE 220  
HD Video Endoscope  
p. 147

Applications			
Dry environments e.g. flue gas systems	Ø 40 to Ø 70 mm	•	•
	Ø 6 to Ø 40 mm	•	•
Wet environments e.g. waste water pipes	Ø 40 to Ø 70 mm	•	•
	Ø 6 to Ø 40 mm	•	•
Twin walls, cavities, ducts		•	•

Operation features			
Camera heads	Ø 3,9 / 5,5 / 25 mm	Ø 3,9 / 5,5 / 8,5 / 25 mm	
Video memory	Micro-SD Card 32 GB	device dependent	
Live image transmission via Wireless LAN		•	
Documentation: damage descriptions via touch screen and recording of voice recording	•		
HD videoscope combi probe 0°/90°	•		

• = included



Wöhler VE 320  
Video Endoscope

p. 148

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Ø 5,5 / 8,5 / 25 mm

Micro-SD Card 32 GB

# Wöhler VIS 700 HD Visual Inspection System

Visual inspection of sewers / air ducts / exhaust systems / industrial machinery



Product selection  
from p. 120

Accessories  
from p. 138

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P\\_16510](http://woehler-international.com/P_16510)



## Application

Damage analysis, quality control and inspection of:

- ▶ House connection pipes up to Ø 200 mm
- ▶ NDT applications
- ▶ Flue gas systems of Ø 40 mm and larger
- ▶ Ventilation system ductwork
- ▶ False ceilings, hollow spaces, shafts
- ▶ Industrial machines / plants
- ▶ Waste water lines of Ø 40 mm and larger

## Advantages

- ▶ High Definition picture
- ▶ Focus control via joystick
- ▶ Adjustable sonde frequency
- ▶ Voice recording / photo function
- ▶ Touch screen keyboard for written commentary
- ▶ App-supported operation and report creation

## Technical data

Monitor	TFT display	7" / 16:9 Format
	Resolution	1280 x 800 px
	Operating time	4 h
Wöhler HD pan / tilt camera head Ø 40	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
	Viewing angle	70°
	Light source	white LEDs (12 pcs.)
	Protection class	waterproof IP 67
	Dimensions	Ø 40 x 60 mm
	Transmission frequency for locator	9,2 kHz
Wöhler HD miniature camera head Ø 26	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
	Viewing angle	150°
	Light source	white LEDs (12 pcs.)
	Protection class	pressurized waterproof IP 68
	Dimensions	Ø 26 x 38 mm
	Transmission frequency for locator	9,2 kHz
Push rod	Length	30 m
	Diameter	8,6 x 5,6 mm (oval)
Distance measurement	Electronic distance counter	



Fast cleaning for lasting hygiene: Simply splash the robust case and the cable reel with water.



Focus adjustment and distance measurement: The measurement function allows to determine the distance between the lens and a selected point or between two selected points.



Easy documentation, camera head control and inspection report generation via app.



Precise location of the camera head with the Wöhler L 200 Locator.

#### Wöhler Video Inspection App

The monitor image can be sent to mobile devices via WiFi and processed further using the app.



# PRODUCT SELECTION



Wöhler VIS 700  
HD Visual Inspection System  
Push rod camera

Scope of delivery		
Wöhler VIS 700 monitor unit		•
2 m connection cable (monitor removable)		•
Camera rod 8,6 x 5,6 mm / 30 m		•
Camera cable 20 m with metric marking		
Glare shield		•
Lithium-ion rechargeable battery		•
Wöhler HD pan- and tiltable camera head Ø 40, detachable		•
SD Card 32 GB		•
3 replacement plastic domes		•
Anti-slide mat		•
USB charger with USB-C cable		•
Plastic case		•
Carrying strap		
Camera holder		

Article no. 7450 J

Accessories  
from p. 138







Wöhler VIS 700  
HD Visual Inspection System  
Cable camera

7454 J

# Wöhler VIS 500 Visual Inspection System

Inspection of waste water pipes and air ducts / flue gas lines / industrial machines



## Application

Damage analysis, non-destructive inspection and documentation of:

- ▶ 87° bends
- ▶ Sewer pipes from Ø 40 mm
- ▶ House connections up to Ø 200 mm
- ▶ Air pipes and ducts
- ▶ Intermediate ceilings, cavities, shafts
- ▶ Industrial machines / plants

## Advantages

- ▶ The universal camera for your applications: Interchangeable camera head, sound and voice recording via headset and different rod lengths.
- ▶ Waterproof rotatable and pan and tilt camera head Ø 40 mm for an all-round view
- ▶ Easy operating and reporting with the Wöhler video inspection app
- ▶ Double-shell case with separate compartment to remove the cable reel for easy cleaning
- ▶ Bright illumination with camera LEDs and optional additional lighting
- ▶ Intuitive handling with uniform operating concept of the Wöhler VIS series

## Technical data

Monitor	TFT display	7" / 16:9 Format
	Resolution	1024 x 600 px
	Power supply	USB-C 5 V / 3 A 3,7 V / 11,4 Ah Lithium-Ionen Akku
	Operating time	6 h
Wöhler pan / tilt camera head Ø 40	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
	Viewing angle	130°
	Light source	white LEDs (12 pcs.)
	Protection class	waterproof IP 67
	Dimensions	Ø 40 x 60 mm
	Transmission frequency for locator	9,2 kHz
Wöhler miniature camera head Ø 26	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
	Viewing angle	145°
	Light source	white LEDs (12 pcs.)
	Protection class	pressurized waterproof IP 68
	Dimensions	Ø 26 x 38 mm
	Transmission frequency for locator	9,2 kHz
Camera rod	Length	20 / 30 m electr. meter counting

Product selection  
from p. 124

Accessories  
from p. 138

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P\\_18810](http://woehler-international.com/P_18810)





The waterproof camera head enables the inspection of, for example, sewers.



With the Wöhler L 200 Locator, the camera head can be located with pinpoint accuracy.



Sharp picture, clear menu structure and a firm grip in the hand.



For a permanent hygienic work tool, simply hose down the cable reel and case after the workday.

#### Wöhler Video Inspection App

The monitor image can be sent to mobile devices via WiFi and processed further using the app.



# PRODUCT SELECTION



Wöhler VIS 500  
Inspection Camera  
Push rod camera

Scope of delivery		
Wöhler VIS 500 monitor unit		•
2 m connection cable (monitor removable)		•
Camera rod Ø 6.5 mm / 30 m		•
Camera cable 30 m on a cable reel		
Glare protection		•
Lithium-ion battery 6 h operation time		•
USB mains charger with USB-C cable		•
Wöhler pan and tilt camera head Ø 40, detachable		•
Data storage: Internal memory 4 GB expandable with USB stick		•
Replacement plastic domes		•
Double-sided suitcase		•
Transport case XXL		
Carrying strap system		

Article no. 11508 J

Accessories  
from p. 138





Wöhler VIS 500  
Inspection Camera  
Cable camera

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12343 J



# Wöhler VIS 350 PLUS Visual Inspection System

Inspection of pipes / air ducts / exhaust systems



Product selection  
from p. 128



Accessories  
from p. 138



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## Application

Analyze damage and inspect of:

- ▶ Waste water lines of Ø 40 mm and larger
- ▶ House connections up to Ø 200 mm
- ▶ Flue gas systems of Ø 40 mm and larger
- ▶ Ventilation ducts
- ▶ False ceilings, hollow spaces, shafts
- ▶ Industrial machines

## Advantages

- ▶ Wide range of applications due to interchangeable camera heads (Ø 26 / 40 mm)
- ▶ Quick & simple change of heads
- ▶ Position of camera head indicated in the display
- ▶ Keep your sense of orientation with home function – camera aligns itself automatically
- ▶ Picture and video recording
- ▶ 2 batteries for up to 4 hours operation
- ▶ Built-in location transmitter facilitates wireless location detection

## Technical data

Monitor	TFT display	7" / 16:9 Format
	Resolution	1024 x 600 px
	Power supply	Space for 2 rechargeable batteries or via power supply unit
	Operating time	4 h
Wöhler pan / tilt camera head Ø 40	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
	Angle of image capture	130°
	Light source	white LEDs (12 pcs.)
	Protection class	waterproof IP 67
	Dimensions	Ø 40 x 60 mm
	Transmission frequency for locator	9,2 kHz
Wöhler miniature camera head Ø 26	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
	Image acquisition angle diagonal	145°
	Light source	white LEDs (12 pcs.)
	Protection class	pressurized waterproof IP 68
	Dimensions	Ø 26 x 38 mm
Push rod	Transmission frequency for locator	9,2 kHz
	Length	30 m electr. meter counting
	Diameter	Ø 6,5 mm

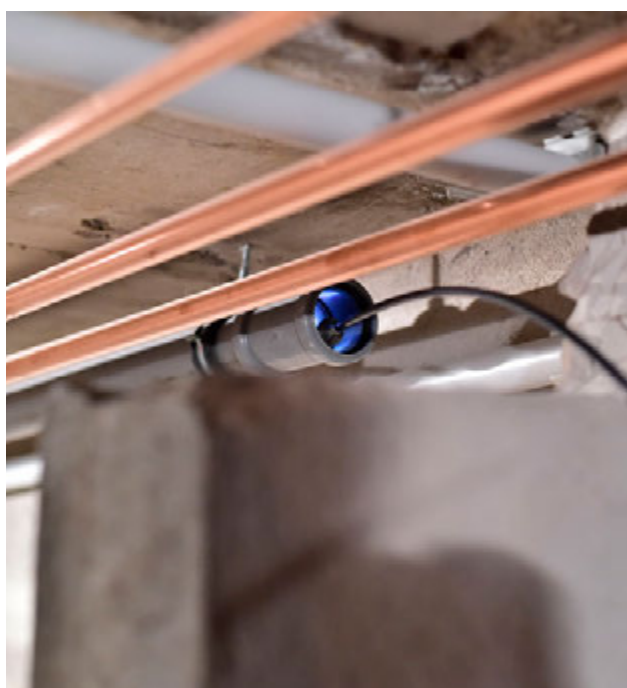




The Wöhler VIS 350 precisely locates radio waves transmitted by the camera head through concrete and asphalt to save a lot of time and further building damage.



Thanks to the excellent lighting system of the detachable, color camera head, the camera supplies razor sharp images of even the darkest corners of the section under inspection.



The 360° pan and 180° tiltable color camera head easily negotiates 87° bends.



The 30 m push rod and the pan- and tiltable camera head Ø 40 mm make sure nothing in the house supply line remains hidden from your view.

# PRODUCT SELECTION



Wöhler VIS 350 PLUS  
Visual Inspection System  
Basic Set

Scope of delivery		
Wöhler VIS 350 monitor unit		•
2 m connection cable (monitor removable)		•
Push rod Ø 6,5 mm		•
Wöhler pan- and tiltable camera head Ø 40		•
Wöhler miniature camera head Ø 26		
Electronic distance counter		•
Anti-slide mat		•
5 replacement plastic domes		•
2 NiMH battery with charger		•
Plastic case		•
Picture and video recording		•
Video settings		•
Level indicator		•
Home function		•
SD Card 4 GB and Mini-USB cable		•
Push rod 30 m		•

Article no. 8991 J

Accessories  
from p. 138





Wöhler VIS 350 PLUS  
Visual Inspection System  
Professional Set

[illegible]

# Wöhler VIS 300 / 350 Visual Inspection System

Inspection of pipes / air ducts / exhaust systems



## Application

Analyze damage and inspect of:

- ▶ Waste water lines of Ø 70 mm and larger
- ▶ House connections up to Ø 200 mm
- ▶ Flue gas systems of Ø 56 mm and larger
- ▶ Ventilation lines of ventilation systems
- ▶ False ceilings, hollow spaces, shafts

## Advantages

- ▶ Keep your sense of orientation with home function – camera aligns itself automatically
- ▶ 4 hours flexibility – 2 rechargeable batteries for lasting mobility (optional)
- ▶ Built-in location transmitter facilitates wireless location detection
- ▶ Distance counter displayed on monitor (only Wöhler VIS 350)
- ▶ Fully equipped mobile solution in a robust, plastic case
- ▶ Bright TFT color monitor for razor-sharp images
- ▶ Picture and video recording (only Wöhler VIS 350)



## Technical data

Monitor	TFT display	7" / 16:9 Format
	Resolution	1024 x 600 px
	Power supply	space for 2 rechargeable batteries or via power supply unit
	Operating time	4 h
Wöhler pan / tilt camera head Ø 40	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
	Angle of image capture	130°
	Light source	white LEDs (12 pcs.)
	Protection class	waterproof IP 67
	Dimensions	Ø 40 x 60 mm
	Transmission frequency for locator	9,2 kHz
Wöhler miniature camera head Ø 26	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
	Image acquisition angle diagonal	145°
	Light source	white LEDs (12 pieces)
	Protection class	pressurized waterproof IP 68
	Dimensions	Ø 26 x 38 mm
Push rod	Transmission frequency for locator	9,2 kHz
	Length	30 m electr. meter counting
	Diameter	Ø 6,5 mm

Product selection  
from p. 132



Accessories  
from p. 138



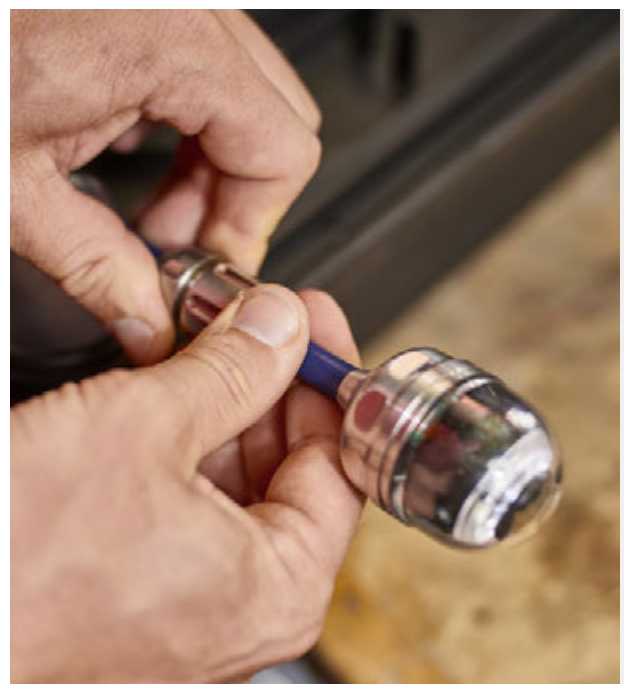
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The Wöhler VIS 350 precisely locates radio waves transmitted by the camera head through concrete and asphalt to save a lot of time and further building damage.



Thanks to the excellent lighting system of the detachable, color camera head, the camera supplies razor sharp images of even the darkest corners of the section under inspection.



The 360° pan and 180° tiltable color camera head easily negotiates 87° bends.



The 30 m push rod and the pan- and tiltable camera head Ø 40 mm make sure nothing in the house supply line remains hidden from your view.

# PRODUCT SELECTION



Wöhler VIS 300  
Visual Inspection System  
Basic Set



Wöhler VIS 300  
Visual Inspection System  
Standard Set

Scope of delivery		
Wöhler VIS 300 Visual Inspection System	•	•
Wöhler VIS 350 Visual Inspection System		
2 m connection cable (monitor removable)	•	•
Wöhler pan- and tiltable camera head Ø 40	•	•
Push rod Ø 6,5 mm	•	•
Electronic distance counter	•	•
Anti-slide mat	•	•
5 replacement plastic domes	•	•
1 NiMH battery with charger	•	•
2 NiMH battery with charger		
Plastic case	•	•
Photo and video recording		
Video settings		
Level indicator		
Home function		
SD Card 4 GB and Mini-USB cable		
Push rod 20 m	•	
Push rod 30 m		•

Article no.

8788 J

8789 J

Accessories  
from p. 138







Wöhler VIS 350  
Visual Inspection System  
Basic Set

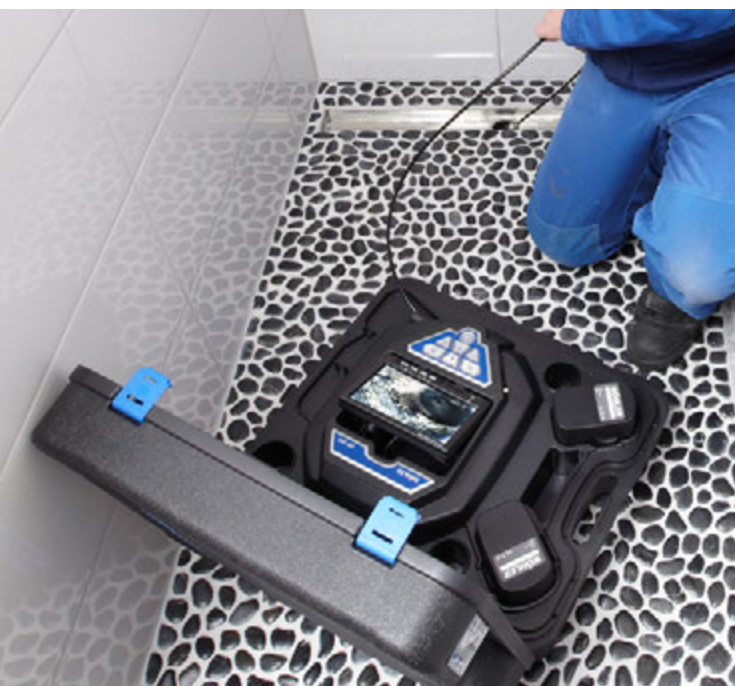


Wöhler VIS 350  
Visual Inspection System  
Standard Set

[illegible]

# Wöhler VIS 200 / 250 Visual Inspection System

Inspection of ducts / air ducts / exhaust systems



## Application

Analyze damage and inspect of:

- ▶ Waste water pipes of Ø 40 – 125 mm
- ▶ Ventilation ducts of Ø 40 – 80 mm
- ▶ Inspect hollow spaces, e.g. in front-wall installations
- ▶ Flue gas lines up to approx. Ø 125 mm

## Advantages

- ▶ Waterproof, light-sensitive camera head with a diameter of just 26 mm easily takes several bends
- ▶ Distance counter displayed on monitor (only Wöhler VIS 250)
- ▶ Fully equipped mobile solution in a robust, plastic case
- ▶ Bright TFT color monitor for razor-sharp images
- ▶ Tilttable and removable monitor
- ▶ Picture and video recording (only Wöhler VIS 250)

## Technical data

Monitor	TFT display	7" / 16:9 Format
	Resolution	1024 x 600 px
	Power supply	Space for 2 rechargeable batteries or via power supply unit
	Operating time	4 h
Wöhler miniature camera head Ø 26	Resolution	720 x 576 px (PAL) 720 x 480 px (NTSC)
	Image acquisition angle diagonal	145°
	Light source	white LEDs (12 pcs.)
	Protection class	pressurized waterproof IP 68
	Dimensions	Ø 26 x 38 mm
	Transmission frequency for locator	9,2 kHz
Push rod	Length	20 / 30 m electr. meter counting
	Diameter	Ø 6,5 mm



Product selection  
from p. 136



Accessories  
from p. 138

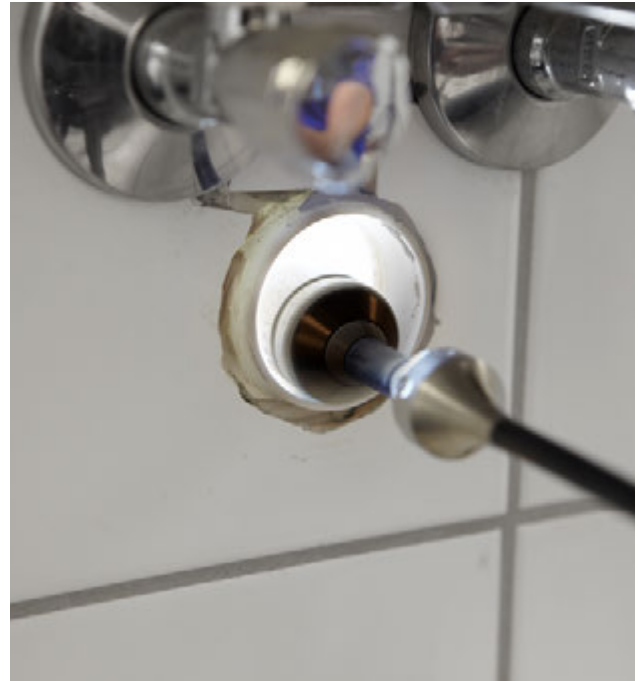


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Acoustic and visual signals: the Wöhler L 200 makes it possible to locate the camera head.



The robust color camera head is waterproof IP 68 rating. With a diameter of just 26 mm it easily negotiates bends in ducts of Ø 40 mm and larger.



Wöhler's camera system is both – compact and safely stored in a plastic case for transport and mobility.



Tiltable and removable TFT wide-screen color monitor.

# PRODUCT SELECTION



Wöhler VIS 200  
Visual Inspection System

Basic Set



Wöhler VIS 200  
Visual Inspection System

Standard Set

Scope of delivery		
Wöhler VIS 200 Visual Inspection System	•	•
Wöhler VIS 250 Visual Inspection System		
2 m connection cable (monitor removable)	•	•
Wöhler miniature camera head Ø 26 mm	•	•
Push rod Ø 6 mm	•	•
Electronic distance counter	•	•
Anti-slide mat	•	•
1 NiMH battery with charger	•	•
Plastic case	•	•
Photo and video record		
Video settings		
Level indicator		
SD Card 4 GB and Mini-USB cable		
Push rod 20 m	•	
Push rod 30 m		•
Article no.	8992 J	5702 J

Accessories  
from p. 138





Wöhler VIS 250  
Visual Inspection System  
Basic Set



Wöhler VIS 250  
Visual Inspection System  
Standard Set

Year	Count
8993 J	12
8994 J	13

# Wöhler L 200 Locator

Exact localization of the camera head



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## Application

- ▶ Exact localization of the camera head in pipelines, chimneys, floor or ceiling areas etc.
- ▶ Acoustic signal for orientation via speaker or headphones
- ▶ Optical indicator shows the exact position of the camera head
- ▶ Locator compatible with both camera heads Ø 26 / 40 mm

## Advantages

- ▶ Fast detection of damaged areas
- ▶ Easy handling thanks to spatial guidance via the display during the locating
- ▶ Bright, easy to read color display
- ▶ Comfortable handling of the locator using the telescopic pole
- ▶ Chalk holder for immediate marking of the damaged areas

## Technical data

Output impedance headphones	32 Ohm
Power supply	3.7 V Lithium-Ion rechargeable battery
Frequency	8,9 / 9,2 kHz

## Scope of delivery

Wöhler L 200 Locator
Telescopic pole
Headphones
USB power supply with Micro-USB cable
Chalk (12 pcs. box, yellow)
Plastic case

Article no. 7430 J



# Wöhler VIS Camera Trolley

Optimal guidance of the camera head

## Application

Optimal guiding of the camera head:

- ▶ In ventilation lines from Ø 150 mm /150 x 150 mm
- ▶ In drain ducts from Ø 150 mm /150 x 150 mm
- ▶ In drawn chimneys from Ø 150 mm /150 x 150 mm

## Advantages

- ▶ Suitable for:
  - All Wöhler VIS camera heads (Ø 26 / 40 mm)
  - Various Accessories such as additional lighting, stabilising sleeve and dome protection
- ▶ Conical wheels ensure stability and optimum guidance in round and flat lines
- ▶ With the help of the adjustment rail, the camera trolley can be adjusted in three heights and placed backwards or forwards in 3 steps
- ▶ Camera head can be mounted on the trolley or suspended underneath it
- ▶ Rugged body is made of corrosion and acid resistant stainless steel and is still 700 g light



4



## Scope of delivery

Wöhler VIS Camera Trolley

Camera head holder

Storage bag

Article no. 4705 J

## Scope of delivery

Wöhler VIS Camera Trolley

Camera head holder

Storage bag

















Stabilization sleeve for light ring
















Article no. 4753 J

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# ACCESSORIES

		Article no.
<b>Camera heads</b>		
	<b>Wöhler HD miniature camera head Ø 26 mm</b> for Wöhler VIS HD-Cameras detachable, flexible connection to the push rod, with leather protection bag	7613 J
	<b>Wöhler HD pan- and tiltable camera head Ø 40 mm</b> for Wöhler VIS HD-Cameras detachable, flexible connection to the push rod, with leather protection bag	8859 J
	<b>Wöhler miniature camera head Ø 26 mm</b> for Wöhler VIS Cameras detachable, flexible connection to the camera rod, with leather protection bag	8920 J
	<b>Wöhler pan- and tiltable camera head Ø 40 mm</b> for Wöhler VIS Cameras detachable, flexible connection to the camera rod, with leather protection bag	8930 J
<b>Additional lights</b>		
	<b>Light Ring Ø 26 / 40 HD</b> for HD camera heads Ø 26 / 40 mm detachable, with 18 white LEDs	8818 J
	<b>Light Ring Ø 26 / 40</b> for camera heads Ø 26 / 40 mm detachable, with 18 white LEDs	8894 J
	<b>Supplementary light ring</b> for camera heads Ø 26 / 40 / 51 mm with guidance weight incl. battery pack with four AA batteries 1,5 V in cordura bag	9377 J
<b>Protection for camera heads</b>		
	<b>Guidance sleeve</b> for camera head Ø 26 mm	3827 J
	<b>Guidance sleeve with protection cage</b> for camera head Ø 26 mm	3847 J
	<b>Protection sleeve</b> for camera head Ø 40 mm	2641 J
	<b>Replacement plastic dome</b> for camera head Ø 40 mm 10 pcs.	3675 J
	<b>Glass dome</b> for camera head Ø 40 mm	3674 J
<b>Guidance for camera heads</b>		
	<b>Camera holder</b> for HD camera head Ø 40 mm	7068 J
	<b>Camera holder</b> for camera head Ø 40 mm	3720 J
	<b>Camera Spring Guide</b> for centering of the camera head in vertical vents	7081 J
	<b>VIS Guidance Set 70</b> for camera head Ø 26 mm	3883 J

		Article no.
<b>Guidance for camera heads</b>		
	<b>Guidance Set 100</b> for camera head Ø 40 mm	4240 J
	<b>Camera Roller Guide</b> suitable for camera heads and rods	3681 J
	<b>Guidance Ball</b> for flex part of camera push rod,	3634 J
	<b>Guidance weight</b> for camera heads and push rods 740 g, stainless steel, to let down the camera head (e.g. in a chimney)	3857 J
	<b>Centering Brush</b> for camera heads and push rods	3850 J
	<b>Centering Brush</b> for camera heads and push rods	3854 J
	<b>Centering Brush Extension</b> for camera heads and push rods	3853 J
	<b>Spare Brushes</b> for centering brush 24 pieces	3858 J
	<b>Stabilization Sleeve</b> for Wöhler VIS 700 push camera to stabilize the connection between camera push rod and camera head.	6557 J
	<b>Stabilization Tube</b> for Wöhler VIS 2xx / 3xx (detachable versions) / 400 / 700 to connect centering brush & extension	21736 J
	<b>Stabilization Sleeve</b> for camera head Ø 51 mm	22182 K
	<b>Push adapter</b> for Stabilization sleeve for pushing all camera heads without using the additional light ring	1387 J
	<b>Relining Adapter</b> for Wöhler VIS 350plus / VIS 500 for reverse view	6888 J
	<b>Wöhler Telescopic Tube</b> with flexible 0,3 m gooseneck for all camera heads Length of the telescopic tube 0,9 to 1,6 m plus gooseneck	7005 O
	Length of the telescopic tube 0,9 to 3,4 m plus gooseneck	7024 J

# ACCESSORIES

Camera cable / extensions			Article no.
	<b>Camera Cable</b> for Wöhler VIS 700		
	20 m	with metric marking	6305 J
	30 m	with metric marking	11012 J
	<b>Camera Cable Extension</b> for Wöhler VIS 700		
	10 m	with metric marking	11425 J
	20 m	with metric marking	11426 J
	30 m	with metric marking	11427 J
	<b>Camera Cable</b> for Wöhler VIS 400 / 500		
	20 m	with metric marking	9172 J
	30 m	with metric marking	7812 J
	50 m	without metric marking	7845 J
	<b>Camera Cable Extension</b> for Camera Cable		
	10 m	with metric marking	8636 J
	30 m	with metric marking	8048 J
	<b>Lowering Aid</b> for camera cable & push rods extendable from 22 to 40 cm		5706 I
Inspection Technology			
	<b>Camera Cable reel</b> for Wöhler VIS 400 / 500 with electronic meter counter, belt holder and stand		
	push rod 20 m / Ø 6,5 mm / blue		7302 J
	push rod 30 m / Ø 6,5 mm / blue		7301 J
	push rod 20 m / Ø 7 mm / red		7309 J
	push rod 30 m / Ø 7 mm / red		7307 J
	push rod 20 m / Ø 6 mm / black		7308 J
	push rod 30 m / Ø 6 mm / black		7336 J
	<b>Cable Reel with Camera Cable</b> for Wöhler VIS 400		
	20 m	with electronic meter counter	6310 J
	30 m	with electronic meter counter	4166 J
	for Wöhler VIS 500		
	20 m	with digital meter counter	15121 J
	30 m	with digital meter counter	15122 J

		Article no.
<b>Chargers</b>		
	<b>Power supply</b> for Wöhler VIS 700 EU-Version	62622 X
	<b>Car charger 18 V</b> for Wöhler VIS 2xx / 3xx / 400	3169 J
	<b>Power supply</b> for Wöhler VIS 2xx / 3xx / 400 approx. charge time 3 hours  EU adaptor only	3789 K
	with adaptors for all countries	4798 K
	<b>Battery 12 V NiMH 2600 mAh</b> for Wöhler VIS 2xx / 3xx approx. charge time 2 hours	4715 J
<b>Cleaning</b>		
	<b>Wöhler VIS Cleaning Set</b> with plastic case Scope of delivery: 1 liter disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 200 ml lubricant, plastic case for approx. 50 applications	4725 I
	<b>Wöhler VIS Cleaning Set Refill</b> with plastic bag Scope of delivery: 1 liter disinfection spray, 50 cleaning tissues, 100 disposable gloves size XL (powder free), 200 ml lubricant, plastic bag for approx. 50 applications	4726 O
<b>General Accessories</b>		
	<b>Carrying strap system</b> for Wöhler VIS 500 / 700 with mounting plate for monitor unit	6921 J
	<b>Glare protection</b> for Wöhler VIS 2xx / 3xx monitors	6814 J
	<b>Anti-slide mat</b>	3252 J
	<b>Magnetic holder</b> for monitor Wöhler VIS 500 / 700	2939 J
	<b>Anti-reflective film</b> for Wöhler VIS 700 with mounting Accessories	7616 X
	<b>Storage box with foam</b> for Wöhler VIS 700 for Light Ring and camera head	24657 K

# Wöhler Metal Mirror

Exhaust gas routing check



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## Application

Inspection of:

- ▶ Objects hard to reach
- ▶ Chimneys

## Advantages

- ▶ Robust metal mirror
- ▶ Polished and high-gloss chrome-plated, good optical quality
- ▶ Tilttable mirror on handle
- ▶ Screwable telescopic handle extendable from 30 to 54 cm

## Scope of delivery

High gloss chrome-plated metal mirror 7 x 10 cm

Imitation leather cover

Article no. 1015 O

## Scope of delivery

High gloss chrome-plated metal mirror 7 x 10 cm

Imitation leather cover

Telescopic handle extendable up to 54 cm

Article no. 1748 O



# Wöhler Glass Mirror

Exhaust gas routing check

## Application

Inspection of:

- ▶ Objects hard to reach
- ▶ Chimneys
- ▶ Buildings

## Advantages

- ▶ Glass mirrors with high optical quality
- ▶ Mirrors can be rotated and tilted
- ▶ Protected by aluminium frame
- ▶ Practical telescopic handle – easy to pull out from 20 to 99 cm



4

## Scope of delivery

Glass mirror 2,6 x 7 cm
Imitation leather cover
Telescopic handle extendable up to 99 cm
Ball joint (pan and tilt)
Aluminium edge protection

Article no. 8064 O

## Scope of delivery

Glass mirror 5 x 8 cm
Imitation leather cover
Telescopic handle extendable up to 99 cm
Ball joint (pan and tilt)
Aluminium edge protection

Article no. 8059 O

## Scope of delivery

Glass mirror 8 x 15 cm
Imitation leather cover
Telescopic handle extendable up to 99 cm
Ball joint (pan and tilt)
Aluminium edge protection

Article no. 8087 O



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# Wöhler VE 400 HD Video Endoscope

HD inspection of inaccessible cavities



Accessories  
from p. 149



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## Application

HD inspection of:

- ▶ Inaccessible cavities through smallest openings from Ø 4 mm (e.g. tile cross)
- ▶ Pre-wall installations, sinks, drain ducts
- ▶ Fireplaces, combustion chambers, connectors
- ▶ Inspection openings and fire dampers

## Advantages

- ▶ Large 5" HD colour monitor
- ▶ HD Video Endoscope waterproof probes
- ▶ Image rotation
- ▶ Image and video recording on Micro-SD Card
- ▶ Additional lamp on the unit with 4 LEDs to illuminate the inspection area
- ▶ Ø 3,9 mm probe for smallest inspection openings
- ▶ Switchable 0° / 90° straight line / side view probe Ø 5,5 mm
- ▶ Probe length up to 3 m (see Accessories)

## Technical data

Monitor	Display	5"
	Resolution	1280 x 720 px
	Interfaces	Micro-USB-Data-/charging connection Micro-SD Card slot
HD Probe camerahead	Protection	waterproof IP 67
File formats	Image format	JPG
	Video format	MP4
Power supply	3.500 mAh Lithium-ion rechargeable battery	
Operating time	4 h	

## Scope of delivery

Wöhler VE 400 HD Video Endoscope
HD Probe Ø 5,5 mm / 1 m with 0° / 90° view
Lithium-Ion battery
Micro-SD Card 32 GB
Micro-USB charger
Video endoscope connection cable 1,5 m
Plastic case

Article no. 6920 A

# Wöhler VE 220 HD Video Endoscope

HD Inspection of inaccessible cavities

## Application

HD inspection of:

- ▶ Inaccessible cavities through smallest openings from Ø 6 mm (e.g. tile cross)
- ▶ Pre-wall installations, sinks, drain ducts
- ▶ Fireplaces, combustion chambers, connectors
- ▶ Inspection openings and fire dampers

## Advantages

- ▶ Transmission of image and video data via Wireless LAN to Smartphone, laptop, tablet, PC
- ▶ Can be used simultaneously on several devices
- ▶ Direct forwarding of pictures and videos via "Share function" of the smartphone/tablet
- ▶ Image and video recording
- ▶ Switchable hand lamp
- ▶ Compatible with Android/iOS
- ▶ Probe length up to 3 m (see Accessories)

## Technical data

Signal transmission	Wireless LAN Network Standard	IEEE 802.11 b/g/n
	Data transmission rate wireless card with 802.11 a/b/g/n	up to 150 Mbit/s
HD Probe camerahead	Protection	waterproof IP 67
File formats	Image format	JPG
	Video format	AVI
Power supply	2.600 mAh Lithium-ion rechargeable battery	

## Scope of delivery

Wöhler VE 220 HD-Video Endoscope

Probe 1 m / Ø 7,6 mm

USB-C-cable

Side tip mirror

Magnet

Hook tool

Plastic case

Article no. 12132 I



Accessories  
from p. 149



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# Wöhler VE 320 Video Endoscope

Inspection of inaccessible cavities



Accessories  
from p. 149



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## Application

Inspection of:

- ▶ Inaccessible cavities through smallest openings from Ø 6 mm (e.g. tile cross)
- ▶ Pre-wall installations, sinks, drain ducts
- ▶ Fireplaces, combustion chambers, connectors
- ▶ Inspection openings and fire dampers

## Advantages

- ▶ Large 3,5" colour monitor
- ▶ Video Endoscope waterproof probes
- ▶ HD-Ready picture quality
- ▶ Image rotation
- ▶ Image and video recording on Micro-SD Card
- ▶ Ø 3,9 probe for smallest inspection openings
- ▶ Probe length up to 3 m (see Accessories)

## Technical data













Monitor	Display	3,5"
	Resolution	960 x 720 px
	Interfaces	Micro-USB-Data-/charging connection Micro-SD Card slot
Probe camerahead	Protection	waterproof IP 67
File formats	Image format	JPG
	Video format	AVI
Power supply	3.500 mAh Lithium-ion rechargeable battery	
Operating time	5 to 6 h	

## Scope of delivery

Wöhler VE 320 Video Endoscope
Probe Ø 7,6 mm / 1 m
Lithium-Ion battery
Micro-SD Card 32 GB
Micro-USB charger
Video endoscope connection cable 1,5 m
Plastic case

Article no. 6935 A

# ACCESSORIES

Accessories Endoscopy			Article no.
	<b>HD Video Endoscope Probe 0° / 90°</b>		
	for Wöhler VE 400	Ø 5,5 mm / 1 m	6928 A
	for Wöhler VE 400	Ø 8,5 mm / 3 m	6912 A
	<b>HD Video Endoscope Probe</b>		
	for Wöhler VE 320 / 400	Ø 3,9 mm / 1 m	6929 A
	for Wöhler VE 220	Ø 5,5 mm / 1,2 m	7787 I
	for Wöhler VE 220 / 320 / 400	Ø 6,2 mm / 1,5 m / 180° / swiveling	11321 A
	for Wöhler VE 220	Ø 8,5 mm / 1,2 m	7709 I
	for Wöhler VE 220	Ø 9 mm / 3 m	7724 I
	for Wöhler VE 220	Ø 25 mm / 3 m	7789 I
	for Wöhler VE 320 / 400	Ø 25 mm / 3 m	6911 A
	<b>Video Endoscope connection cable</b> for Wöhler VE 320 / 400 flexible extension cable between HD video endoscopes and probes		6931 A
	<b>Protection Bag</b> for Wöhler VE 220 / 320 / 400 and probes		6914 A
	<b>Magnetic holder</b> for Wöhler VE-Series		6986 A







# Cleaning Technology

## Waste Water Pipes

### 152 – 153 Product Overview Cleaning Technology Waste Water Pipes

### 154 – 167 Drain Cleaning Products

Wöhler RM 200 Drain Cleaning Machine.....	154 – 155 / 166 – 167
Wöhler RM 300 Drain Cleaning Machine.....	156 – 161 / 166 – 167
Wöhler RM 400 Drain Cleaning Machine.....	158 – 163 / 166 – 167
Wöhler HR 300 High Pressure Cleaner.....	160 – 165 / 166 – 167

# PRODUCT OVERVIEW



Wöhler RM 200  
Drain Cleaning Machine  
p. 154



Wöhler RM 300  
Drain Cleaning Machine  
p. 156

Applications			
Wet areas (Waste water pipes, Downpipes, etc.)	Ø 4...10 cm	•	
	Ø 5...11 cm		•
	Ø 5...15 cm		•
Characteristics			
Automatic Feed			
Protective hose		•	•
Adapter connection		•	•
Transport with wheels			
Spiral change		•	•
Spiral with inner core			
Variable spiral length and diameter		•	•
Max. length	23 m		
	30 m		
	40 m	•	
	65 m		•

• = included



**Wöhler RM 400**  
**Drain Cleaning Machine**  
p. 158



**Wöhler HR 300**  
**High Pressure Cleaner**  
p. 160

	•
•	
	•
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•	•
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	•

# Wöhler RM 200 Drain Cleaning Machine

Modular entry system for cleaning inner pipes



## Applications

- ▶ Cleaning of waste water pipes Ø 40...100 mm
- ▶ Clogging of different sizes and types
- ▶ Grease deposits
- ▶ Silty deposits
- ▶ Mud deposits

## Advantages

- ▶ Suitable for beginner-level pipe cleaning
- ▶ Variable spiral length due to handy key
- ▶ Protective hose for clean drain cleaning and protection of domestic furniture
- ▶ Adapter with integrated spiral for safe handling
- ▶ Various spiral sizes for a wide range of applications
- ▶ Modular system: heads and spirals are compatible with each other
- ▶ Easy change of the direction of rotation due to switch nearby
- ▶ Flexible: Quick change of heads



## Technical Data

Output	400 W
Voltage	220 V / 50 Hz
Weight of the machine	12,2 kg
Spiral size	Ø 8 mm / 5 m
	Ø 16 mm / 2,3 m
Max. operating length	40 m
Application area	Ø 40...100 mm

Accessories  
from p. 162



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# PRODUCT SELECTION



Basic set



Complete set

Scope of delivery		
Wöhler RM 200 Drain Cleaning Machine	•	•
Straight Auger 16 mm		•
Bulb Auger 16 mm		•
Spade Cutter 16 mm		•
C-Cutter 16 mm		•
Cable 16 mm x 2,3 m (8 pieces)		•
Cable Reel		•
Drain Cleaning Cable Adapter 8 mm x 5 m	•	•
Coupling Key 4 mm		•
Protective Hose		•
Protective Gloves		•
Carrying Case		•

Article no.

11253 J

11220 J

# Wöhler RM 300 Drain Cleaning Machine

Powerful system for cleaning indoor and outdoor pipes



## Applications

- ▶ Cleaning of waste water pipes Ø 40...110 mm / Ø 50...150 mm
- ▶ Clogging of different sizes and types
- ▶ Grease deposits
- ▶ Silty deposits
- ▶ Mud deposits

## Advantages

- ▶ With an output of 570 W, pipe blockages can be removed indoors as well as outdoors
- ▶ Variable spiral length due to handy key
- ▶ Protective hose for clean drain cleaning and protection of domestic furniture
- ▶ Adapter with integrated spiral for safe handling
- ▶ Various spiral sizes for a wide range of applications
- ▶ Modular system: heads and spirals are compatible with each other
- ▶ Easy change of the direction of rotation due to switch nearby
- ▶ Flexible: Quick change of heads



## Technical Data

Output	570 W
Voltage	220 V / 50 Hz
Weight of the machine	18,2 kg
Spiral size	Ø 8 mm / 5 m
	Ø 16 mm / 2,3 m
	Ø 22 mm / 4,6 m
Max. operating length	65 m
Application area	Ø 40...100 mm
	Ø 50...150 mm

Accessories  
from p. 162



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## Basic Set

### Scope of delivery

Wöhler RM 300 Drain Cleaning Machine

Article no.

11208 J



# ACCESSORY SETS



Accessory Set  
16 mm



Accessory Set  
22 mm



Accessory Set  
16 / 22 mm

Scope of delivery			
Straight auger 16 mm	•		•
Straight auger 22 mm		•	•
Bulb auger 16 mm	•		•
Bulb auger 22 mm		•	•
Spade cutter 16 mm	•		•
Spade cutter 22 mm		•	•
C-cutter 16 mm	•		•
C-cutter 22 mm		•	•
Spiral 16 mm / 2,3 m (8 pieces)	•		•
Spiral 22 mm / 4,6 m (4 pieces)		•	•
Spiral reel	•	•	•
Spiral adapter 8 mm / 5 m		•	•
Coupling wrench 4 mm	•		•
Coupling wrench 5 mm		•	•
Protective hose	•	•	•
Protective gloves	•	•	•
Accessory box	•	•	•

Article no.

11257 J

11258 J

11190 J

# Wöhler RM 400 Drain Cleaning Machine

Comfortable system for cleaning indoor and outdoor pipes



Accessories  
from p. 162



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## Applications

- ▶ Cleaning of waste water pipes Ø 50...110 mm
- ▶ Clogging of different sizes and types
- ▶ Grease deposits
- ▶ Silty deposits
- ▶ Mud deposits

## Advantages

- ▶ The spiral integrated in the cylinder enables clean and comfortable work
- ▶ Automatic feed for easier operation of the device
- ▶ Easy transport due to rollers on the device
- ▶ Variable spiral length due to handy key
- ▶ Protective hose for clean drain cleaning and protection of domestic furniture
- ▶ Adapter with integrated spiral for safe handling
- ▶ Various spiral sizes for a wide range of applications
- ▶ Modular system: heads and spirals are compatible with each other
- ▶ Easy change of the direction of rotation due to switch nearby
- ▶ Flexible: Quick change of heads

## Technical Data

Output	390 W
Voltage	220 V / 50 Hz
Weight of the machine	41,78 kg
Spiral size	Ø 16...22 mm / 23 m
Max. operating length	23 m
Application area	Ø 50...110 mm

## Basic Set

### Scope of delivery

Wöhler RM 400 Drain Cleaning Machine

Straight Auger 22 mm

Bulb Auger 22 mm

Spade Cutter 22 mm

C-Cutter 22 mm

Article no.

11230 J



Clean working, because the spiral is firmly integrated into the cylinder.



Easy transport on large robust rollers.



The right attachment for every application.



Easy and quick change of the drill heads.



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# Wöhler HR 300 High Pressure Cleaner

Cleaning of pipelines



Accessories  
from p. 162



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## Applications

- ▶ Flushing of pipelines during pipe cleaning
- ▶ Unblocking of various pipe blockages
- ▶ Cleaning of dirty surfaces (e.g. workshop)

## Advantages

- ▶ Various nozzles for flexible pipe cleaning
- ▶ Adjustable pressure range to solve different degrees of clogging
- ▶ Easy transport - wheels & stowage options for the entire Accessories
- ▶ Easy handling due to removable hose reel
- ▶ Flexible connection for water supply depending on the condition on site

## Technical Data

Default setting	10,72 l/min (without hose and lance)
Pressure (default setting)	100 bar
Voltage	220 V / 50 HZ
Output	2,2 KW / 3 HP
Max. Amp.	13,7 A
Rotational speed (RPM)	1450 min <sup>-1</sup>
Compatible nozzles	1/4"
Protection class	IP 54
Weight	38 kg

## Basic Set

### Scope of delivery

Wöhler HR 300 High Pressure Cleaner
High-pressure cleaner nozzles (5 pieces)
Pipe cleaning nozzle, reverse jet
Pipe cleaning nozzle, jet & reverse jet
Pipe cleaning nozzle, rotative
Pipe cleaning hose 30 m
Manometer
Water supply hose 5 m
Lance
Storage box
Pre-filled with 15 W-40
Inrush current limiter

Article no. 11250 A



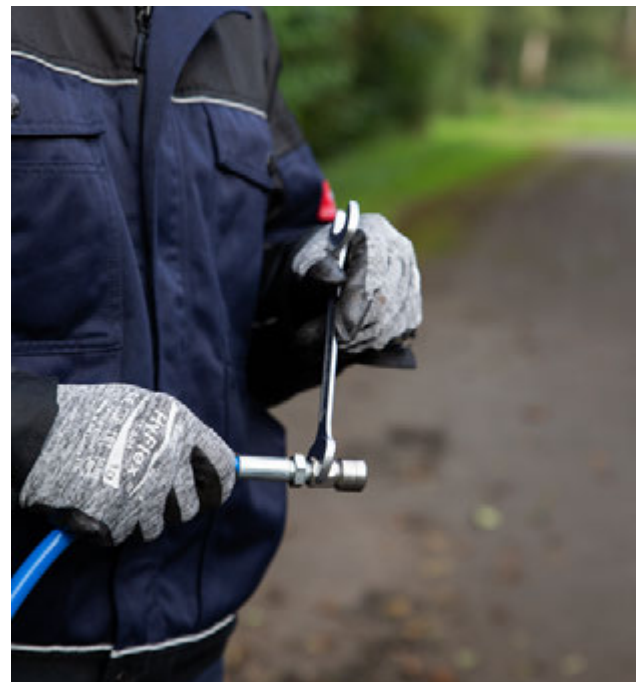
Effective cleaning due to extra pipe cleaning nozzles and long pipe cleaning hose.



Easy transport due to rollers on the device.



Cleaning with the lance - choice between 5 nozzles is possible.










Easy nozzle changing.












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# ACCESSORIES

		Article no.
	<b>Wöhler PU 100 Pipe Cleaning Pump</b> incl. adapter Scope of delivery: Wöhler PU 100 Pipe Cleaning Pump, 3 adapters for toilet / sink / shower, Carrying Case	11240 J
<b>Accessories</b>		
	<b>Drain cleaning spiral</b> 16 mm / 2,3 m for Wöhler RM 200 / 300	11212 J
	22 mm / 4,6 m for Wöhler RM 300	11213 J
	<b>Protection hose</b> for Wöhler RM 200	11227 J
	for Wöhler RM 300	11211 J
	<b>Coupling Key</b> 4 mm for Wöhler RM 200 / 300	11207 J
	5 mm for Wöhler RM 300 / 400	11209 J



Accessories		Article no.
	<b>Straight auger</b> 16 mm for Wöhler RM 200 / 300	11215 J
	 22 mm for Wöhler RM 300 / 400	11216 J
	<b>Blub auger</b> 16 mm for Wöhler RM 200 / 300	11217 J
	 22 mm for Wöhler RM 300 / 400	11218 J
	<b>Spade cutter</b> 16 mm for Wöhler RM 200 / 300	11219 J
	 22 mm for Wöhler RM 300 / 400	11221 J
	<b>C-Cutter</b> 16 mm for Wöhler RM 200 / 300	11222 J
	 22 mm for Wöhler RM 300 / 400	11223 J
	<b>Accessories case</b> for Drain Cleaning Attachments	11200 J



# Duct Cleaning

## 166 – 167 Product Overview Duct Cleaning

## 168 – 183 Duct Cleaning Products

Wöhler Rotary Viper Duct M5 .....	168 – 169 / 177
Wöhler Rotary Viper Duct M10 .....	170 – 171 / 177
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Wöhler Viper S.....	173 / 177
Wöhler Viper M PLUS .....	174 – 175 / 177
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SF 300 Dust Collector.....	178 – 179
Wöhler Compressed Air Cleaning .....	180 – 181
Complementary products .....	182 – 183

# PRODUCT OVERVIEW



Wöhler Rotary  
Viper Duct M5

p. 168



Wöhler Rotary  
Viper Duct M10

p. 170



Wöhler Snap & Sweep®  
Soft

p. 172

Applications			
Air ducts, round	Ø 8...15 cm	•	•
	Ø 15...25 cm		•
	Ø 25...40 cm		•
Flue Gas lines	Ø 100...250 cm		
	from Ø 250 cm		
Air ducts, angular		•	•
Air ducts, flat oval		•	
Risers		•	•
Features			
Cleaning horizontally and from above and below		•	•
Stainless steel compatible		•	•
Freewheel brake			
Rotating cleaning		•	•
Push cleaning			•
Compressed air cleaning			
Technical data			
Length	15 m	1,5/3/5/10/15 m	1m extendable
Diameter	Ø 15 mm	Ø 15 mm	Ø 35 mm
Digital meter counting (m or ft)			
Weight	approx. 3,7 kg	1,35 – 3,7 kg	0,32 kg
Size			
Threaded connection	Thread M5	Thread M10	Thread M10
Suction power / volume			

• = included



**Wöhler Viper  
S**  
p. 173



**Wöhler Viper  
M PLUS**  
p. 174



**Wöhler Viper  
L**  
p. 176



**SF 300  
Dust Collector**  
p. 178



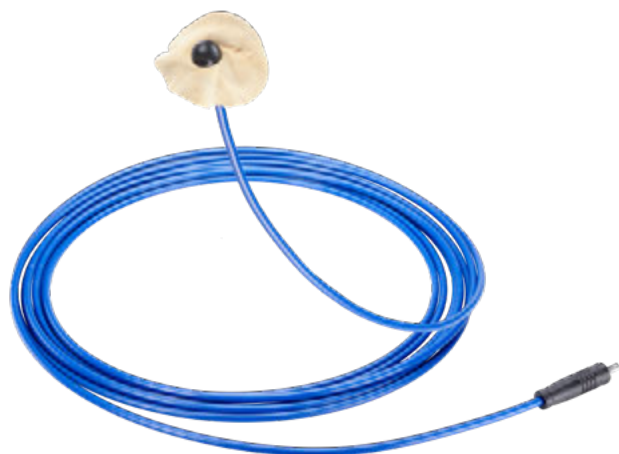
**Wöhler Compressed  
Air Cleaning**  
p. 180

•			•	•
	•		•	•
	•		•	•
		•		
		•		
			• up to Ø 30 cm	•
•			•	
•	•			•
•	•	•		•
•	•	•		•
	•			•
				•
•	•			•
				•
15 m GRP rod	15 / 20 m GRP rod	15 / 20 m GRP rod	90 x 41 x 46 cm vacuum blower	10 m compressed air hose
Ø 4,5 mm GRP rod	Ø 7 mm GRP rod	Ø 9 mm GRP rod		Ø 14 mm compressed air hose
	•	•		•
720 g	1,8 – 2 kg	4,3 – 5,3 kg	29 kg vacuum blower	2,5 kg
Ø 28 cm	Ø 42 cm	Ø 59 cm		Ø 42 cm
Thread M5	Thread M10	Thread M10		compressed air connection
			approx. 1.000 m <sup>3</sup> / h air (effective)	



# Wöhler Rotary Viper Duct M5

Flexible with wiper and brush head



## Applications

- ▶ Cleaning of:
  - Round air ducts from Ø 63 mm
  - Flat oval ducts from 50 x 100 mm
  - Controlled domestic ventilation
  - Ducts contaminated with grinding dust
  - Dryer vents

## Advantages

- ▶ Very flexible shaft and head:
  - Small perlon head Ø 14 cm
  - Wiping head to remove dust
- ▶ Can be operated with cordless screwdriver

## Technical data

Length	5 / 15 m
Max. Torque	Clockwise rotation 3 Nm Counterclockwise rotation 1,5 Nm
Operating temperature	0..80 °C
Connection cleaning attachment	M5 thread

Accessories  
from p. 177



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# PRODUCT SELECTION

Wöhler Rotary Viper Duct M5		
Length	5 m	15 m
<b>Scope of delivery</b>		
Wöhler Rotary Viper Duct M5 – 5 m	•	
Wöhler Rotary Viper Duct M5 – 15 m		•
Brush Head Perlon Ø 14 cm	•	•
Wipe head with two wiping cloths each Ø 15 cm	•	•
Article no.	7192 I	4172 I

## ACCESSORIES

		Article no.
<b>Accessories</b>		
	<b>Brush Head Perlon Ø 14 cm</b> Wöhler Rotary Viper – M 5 head	4169 G
	<b>Wiping cloths Ø 15 cm</b> 10 pieces	4185 K
	<b>Adaptor wipe head</b> for Rotary viper M5 for fixing wiping cloths to rotary viper duct	4139 I

# Wöhler Rotary Viper Duct M10

Cleaning of ventilation systems



## Applications

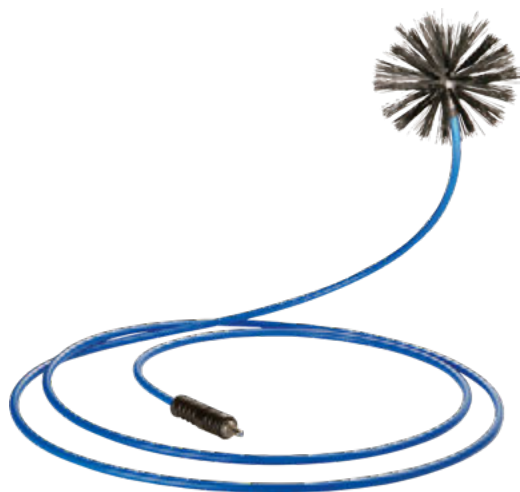
- ▶ Effective cleaning of dryer vents, duct and piping

## Advantages

- ▶ CW/CCW rotation
- ▶ Due to a small end piece also applicable for smaller bends
- ▶ Very light weight 1,3 kg
- ▶ Extremely flexible shaft
- ▶ Can be operated with cordless screwdriver

## Technical data

Length	1,5/3/5/10/15 m
Max. Torque	Clockwise rotation 3 Nm Counterclockwise rotation 1,5 Nm
Operating temperature	0..80 °C
Connection cleaning attachment	M10 thread



Accessories  
from p. 177





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# PRODUCT SELECTION

Wöhler Rotary Viper Duct M10						
Length	1,5 m	3 m	5 m	5 m	10 m	15 m
<b>Scope of delivery</b>						
Wöhler Rotary Viper Duct M10 – 1,5 m	•					
Wöhler Rotary Viper Duct M10 – 3 m		•				
Wöhler Rotary Viper Duct M10 – 5 m			•	•		
Wöhler Rotary Viper Duct M10 – 10 m					•	
Wöhler Rotary Viper Duct M10 – 15 m						•
Brush Head Perlon Ø 18 cm	•	•	•	•	•	•
Brush Head Perlon Ø 25 cm				•		
Threaded brush Perlon Ø 30 cm				•		
Article no.	4882 I	7192 I	4832 I	7511 I	4866 I	4880 I

# ACCESSORIES

		Article no.
	<b>Brush Head Perlon</b> Thread M10	
	Ø 10 cm	7147 G
	Ø 12,5 cm	1458 G
	Ø 16 cm	7150 G
	Ø 18 cm	1466 G
	Ø 20 cm	7164 G
	Ø 25 cm	7102 G
	<b>Threaded Brush Perlon</b> Thread M10 Ø 30 cm	18730 G

# Wöhler Snap & Sweep® Soft

Effective cleaning of ventilation systems up to Ø 400 mm



## Applications

- ▶ Cleaning of:
  - Chimneys < Ø 150 mm
  - Air ducts > Ø 80 mm

## Advantages

- ▶ Snap-in connectors for quick handling
- ▶ Secure plastic connections for the perfect pole length
- ▶ One – man operation
- ▶ Comfortable and clean transport in the carrying bag
- ▶ Stable, robust and very flexible
- ▶ Effective cleaning thanks to rotary drive with standard cordless screwdriver
- ▶ Gentle cleaning with push broom and Twist thread

## Technical data

Material	Plastic
Length	1 m
Operating temperature	– 5...85 °C
Connectors	1 plug connection and 1 receptacle each
Colour	Blue
Flexural rigidity	approx. 47 kN cm <sup>2</sup>

## Professional Set

### Scope of delivery

10 cleaning rods with snap in quick connectors
Carrying bag rods
Perlon brush Ø 25 cm / 0,8 mm
Universal rotary head with nylon wires 3 mm / 6 x 50 cm
Drill adaptor
Protection bag brushes

Article no. 8365 A

Accessories  
from p. 177



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# Wöhler Viper S

Cleaning of openings from Ø 40 mm

## Applications

- ▶ Cleaning of:
  - Exhaust pipes Ø 40 – 150 mm
  - Connecting pipes
  - Small air ducts
  - Dryer vents

## Advantages

- ▶ GRP rod with abrasion resistant PA coat and metrication
- ▶ Provides splash protection when inserting wet GRP rod
- ▶ Ergonomically shaped handle
- ▶ 2 coupling holders – for right and left handers
- ▶ Fits in the Wöhler tool carrier and backpack measuring case
- ▶ For holding HT mini hole stars and HT pipe brushes

## Technical data

Cage diameter	28 cm	
Wide	3,3 cm	
Weight	0,84 kg	incl. 15 m GRP rod

## Basic Set

### Scope of delivery

Wöhler Viper S
GRP rod 4,5 mm, 15 m long
Stainless steel end piece M5
Guidance adapter
Protection tube (without stars)

Article no. 2028 I



Accessories  
from p. 177



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# Wöhler Viper M PLUS

With digital meter counting – thread M10



## Applications

- ▶ Cleaning of:
  - Air ducts Ø 150 – 400 mm
  - Ventilation shafts
  - Ventilation ducts

## Advantages

- ▶ Digital meter counting
- ▶ Quick change star holder for convenient changing of threaded stars – Thread M10
- ▶ GRP rod with abrasion resistant PA coat and protective hose
- ▶ Exactly adjustable freewheel brake and transport lock
- ▶ Transport possibility by star holder with protection plate for two additional threaded stars
- ▶ Coupling holder for sweeping and transporting
- ▶ Attachment for threaded stars / brush heads

## Technical data

Cage diameter	42 cm	
Weight	approx. 2 kg	incl. 15 / 20 m GRP rod
Freewheel brake	exactly adjustable	
GRP rod	Ø 7 mm	
Stainless steel end piece	M10	



Accessories  
from p. 177



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# PRODUCT SELECTION

Wöhler Viper M PLUS		
Length	15 m	20 m
<b>Scope of delivery</b>		
Wöhler Viper M PLUS	•	•
GRP rod Ø 7 mm / 15 m	•	
GRP rod Ø 7 mm / 20 m		•
Stainless steel end piece M10	•	•
Quick change star holder	•	•
Article no.	3770 I	3790 I

# Wöhler Viper L

Cleaning of medium sized chimneys, ventilation and ground pipes



Accessories  
from p. 177



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## Applications

- ▶ Cleaning of:
  - Medium sized chimneys
  - Air ducts > 250 mm
  - Ground pipes

## Advantages

- ▶ GRP rod with abrasion – resistant PA coat, protective hose and metrication
- ▶ Very stable and therefore suitable for pushing very large threaded stars
- ▶ Can be used as a guiding aid together with Wöhler VIS camera trolley, Wöhler VIS 400 cable camera and stabilising sleeve

## Technical data

Cage diameter	59 cm	
Weight	approx. 4 kg	incl. 15 / 20 m GRP rod
Freewheel brake	Exactly adjustable	Additional transport lock via locking lever
GRP rod	Ø 9 mm	
Stainless steel end piece	M10	

## Basic Set – 15 m

### Scope of delivery

Wöhler Viper L
GRP rod Ø 9 mm / 15 m
Stainless steel end piece M10
GRP starholder
Protection tube

Article no. 9412 I


## Basic Set – 20 m

### Scope of delivery

Wöhler Viper L
GRP rod Ø 9 mm / 20 m
Stainless steel end piece M10
GRP starholder
Protection tube

Article no. 9413 I

# ACCESSORIES SNAP & SWEEP® / VIPERS

		Article no.
	<b>Accessories Cleaning of air ducts with brushes</b>	
	<b>Sweeping Rod</b> Wöhler Snap & Sweep® Soft 1 m	1287 A
	<b>Rotary Head Nylon Wires</b> Wöhler Snap & Sweep® incl. universal rotary head, nylon wires 3 mm / 6 pcs. each 50 cm	8784 A
	<b>Universal rotary head</b> Wöhler Snap & Sweep® with snap in connectors	8786 A
	<b>Push Head Adapter Threaded / Perlon Brush</b> Wöhler Snap & Sweep® to hold threaded stars, brush head and harpoon with thread M10	8978 A
	<b>Nylon Wire</b> Wöhler Snap & Sweep® Ø 3 mm      6 x 30 cm	24468 A
	Ø 3 mm      6 x 50 cm	24469 A
	<b>Brush Head Perlon</b> Wöhler Snap & Sweep®	
	Ø 15 cm      2 layers      Trimming 0,6 mm	14415 A
	Ø 20 cm      2 layers      Trimming 0,8 mm	14420 A
	Ø 25 cm      2 layers      Trimming 0,8 mm	14425 A
	Ø 30 cm      2 layers      Trimming 1,0 mm	14430 A
	Ø 35 cm      2 layers      Trimming 1,2 mm	14435 A
	Ø 40 cm      4 layers      Trimming 2,0 mm	15440 A
	<b>Drill adaptor</b> Wöhler Snap & Sweep® for cordless screwdriver	2942 A
	<b>Carrying bag for rods</b> Wöhler Snap & Sweep®	61062 A
	<b>Protection bag for sweeping Tools</b> Wöhler Snap & Sweep®	55703 A
	<b>Repair Set</b> Wöhler Snap & Sweep® incl. connector end piece, connector start piece, pan head screws Ø 2,5 x 10 mm (6 pcs.)	11172 K
	<b>Brush Head Perlon Thread M10</b>	
	Ø 12,5 cm	1458 G
	Ø 18 cm	1466 G
	Ø 25 cm	7102 G
	<b>Threaded Brush Perlon Thread M10</b>	
	Ø 12 cm      2 layers	18712 G
	Ø 15 cm      2 layers	18715 G
	Ø 20 cm      2 layers	18720 G
	Ø 25 cm      2 layers	18725 G
	Ø 30 cm      2 layers	18730 G
	Ø 40 cm      4 layers	18740 G
	Ø 50 cm      4 layers	18750 G
	Ø 60 cm      4 layers	18760 G
	<b>Mini Hole Star HT</b> 6 mm hole, temperature resistant up to 230 °C	
	Ø 10 cm	15910 G
	Ø 15 cm	15915 G
	Ø 20 cm	15920 G
	<b>Threaded Star Perlon</b> 28 mm hole	
	Ø 40 cm	24 G
	Ø 50 cm	3141 G

# SF 300 Dust Collector

Cleaning of ventilation systems up to Ø 300 mm



## Applications

- ▶ simple and effective cleaning of ventilation lines up to Ø 300 mm
- ▶ The Dust Collector creates strong negative pressure to extract dirt and dust particles directly during the cleaning process

## Advantages

- ▶ Can be used in vertical and horizontal position
- ▶ Easy to transport
- ▶ Simple set up
- ▶ Simultaneous connection of 2 hoses possible
- ▶ Hose extension for hard to reach vents

## Technical data

Suction Power	approx. 1000 m³/h air (with hose Ø 200 mm)	
Motor	Type	EMG Single phase Asynchronous motor ECS 7IG 2 – A1AA
	Pressure	230 V
	Frequency	50 Hz
	Nominal power	0,55 kW
Operating Environment	Protection class	IP 54
	Insulation class	F
Operating Temperature	-35...40 °C	
Vacuum blower	Dimension	90 x 41 x 46 cm
	Weight	29 kg

## Basic Set

### Scope of delivery

SF 300 Dust Collector

Integrated filter

Hose Ø 200 mm / 5 m






Adaptor

Article no. 6190 O

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# ACCESSORIES

		Article no.
<b>Accessories dust free cleaning</b>		
	<b>Replacement Hose</b> Ø 160 mm / 5 m	6192 K
	Ø 200 mm / 5 m	6191 K
	<b>Adapter</b> Ø 160 mm / Ø 100 mm	6198 K
	Ø 200 mm / Ø 160 mm	6199 K
	<b>Hose bag</b> for SF 300 Dust Collector for each one hose Ø 200 mm and Ø 160 mm, 5 m long	6193 O
	<b>Prefilter (filter class M5)</b> for SF 300 Dust Collector	6194 K
	<b>Microfilter (filter class F7)</b> for SF 300 Dust Collector	6195 K



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# Wöhler Compressed Air Cleaning

Cleaning of square and round air ducts



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## Applications

- ▶ Cleaning of square and round air ducts

## Advantages

- ▶ Easy handling of the compressed air / water reel due to the coupling holder
- ▶ Suitable for small and large cross sections
- ▶ Extendable by hose reel

## Technical data

Digital metering	Measurement unit	metres or feet (m or ft)
	Resolution	0,1
	Battery	Long life lithium battery
Requirements for a compressor to be connected	Pressure	min. 5 bar
	Output power	25 m <sup>3</sup> /h

## Basic Set

### Scope of delivery

Compressed air hose 10 m

Stop value

Compressor connection

Article no.

7580 I



## ACCESSORY SETS



Standard Set











Professional Set











Scope of delivery		
Compressed air hose 7 m	•	
Compressed air hose 10 m (GRP – reinforced)		•
Stop value	•	•
Wöhler backwards rotating helicopter nozzle	•	
Adapter for connection to compressed air hose and compressor	•	
Wöhler DH 420 Pneumatic Viper		•
Compressed air hose reel with 20 m hose		•
Compressed air whip with 7 ends 50 cm long		•
Guidance roller ball		•
Plastic case	•	
Alu case XXL		•
Article no.	7560 I	7570 I

## ACCESSORIES

		Article no.
Accessories Cleaning with air pressure / water		
	<b>Hose Reel (Air/Water)</b> 20 m hose – compressed air cleaning incl. 1.5 m connecting hose and adapter plug for	7565 I
	<b>Roller guide ball</b> for Wöhler DH 420 for guiding the Wöhler DH 420 Pneumatic Viper in angular shaped ventilation pipes	7552 I
	<b>Helicopter nozzle</b> appropriate for compressed air cleaning for persistent contamination in small ducts backwards rotating	7556 I
	forwards rotating	7557 I
	<b>Servicebag helicopter nozzles</b> incl. 2 strings 20 cm long, 1 grub screw and 1 angled screwdriver SK 2,5 ATTENTION: Only suitable for helicopter nozzles with plastic head!	7578 I
	<b>Compressed Air Whip</b> with 7 ends for DH 420 inside Ø 2.0 mm, 50 cm long, particularly suitable for bigger pipe diameters	7562 I

## ACCESSORIES / COMPLEMENTARY PRODUCTS

Sealing agent / element		Article no.
	<b>Sealing Elements Sets</b> 4 sealing elements round (without hole) Ø 110 – 330 mm	7522 J
	5 sealing elements angular (without hole) 120 x 120 – 330 x 330 mm	7523 J
	<b>Wöhler Soot Door Sealing</b> for openings of Ø 95 – 190 mm and from 95 x 95 mm to 190 x 290 mm with an adapter for vacuum cleaner hose Ø 36 / 38 / 42 mm	3380 I
	<b>Sealing Set Ventilation</b> includes: sealing bladder size 3 for Ø 100 – 250 mm and size 5 for Ø 200 – 400 mm, with release valve	7506 O
	<b>Sealing bladder Sets</b> 5 pcs. / for Wöhler DP 700 / with 5 clamps size 3 / Ø 100 – 250 mm	3314 O
	size 5 / Ø 200 – 400 mm	3316 O
	size 10 / Ø 315 – 630 mm	3317 O
	<b>Aluminium pump Master – Blaster</b>	53817 O

		Article no.
<b>Half masks / particle filter</b>		
	<b>Dräger half mask X – plore 2100</b> incl. 5 particle filters	3765 I
	<b>Filter for half mask X – plore 2100</b> filter class 882 FMP3D / P100, 20 pieces	3223 K
	<b>Dräger half mask X – plore 1710</b> filtering half mask EN 143 / EN 149 conform, fFilter class FFP1 NR D, big pack with 20 pieces	1364 I
<b>Complementary products</b>		
	<b>Wöhler DTEST</b> dust surface density / cleanliness level Set for evaluation of dust surface density / cleanliness level Scope of delivery: scale, 30 test cloths 110 x 190 mm, each 2 x 50 ml Aceton and Isopropanol, magnet disc 100 cm <sup>2</sup> , 2 test cans, 1 overhead marker, 30 pairs of disposable gloves, plastic case	8704 J
	<b>Wöhler FA 410 Fan anemometer Set</b> Fan Anemometer set with funnel Comes with: Wöhler FA 410 Fan anemometer, 4 x AAA batteries, plastic case, Wöhler FA 4xx measuring funnel set with rectangular and round measuring funnel, in a handy carrying bag; funnels can be clipped onto the fan anemometer, rectangular funnel: 346 x 346 mm, round funnel: Ø 210 mm	4155 I
	<b>Wöhler VIS 500 Inspection Camera</b> with pan and tilt camera head Ø 40 mm for visual duct, exhaust system and ventilation inspection Scope of delivery: Wöhler VIS 500 monitor unit, TFT widescreen colour monitor and 2 m connection Cable (monitor removable), glare protection, Lithium-Ion battery 6 h operation time, USB mains charger with USB-C Cable, Wöhler pan and tilt camera head Ø 40 (detachable), sata storage: Internal memory 4 GB expandable with USB stick, camera rod Ø 6,5 mm / 30 m, replacement plastic Domes, double-sided suitcase	11508 J
	<b>Guidance Set 100</b> for camera head Ø40 mm protection sleeve with cut – out, roller guide and centering brush	4240 J
	<b>Wöhler IQ 300 CO<sub>2</sub> Meter</b> to assess the indoor air quality and ventilation situation	4750 A
	<b>Wöhler CDL 110 CO<sub>2</sub> Datamonitor</b> power supply with EU adaptor	8500 I
	<b>Wöhler CDL 210 CO<sub>2</sub> Datalogger</b> power supply, data cable, PC software	6648 I





# Chimney Cleaning

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## 188 – 213 Chimney Cleaning Products

Wöhler Snap & Sweep® Regular .....	188 / 190 – 191
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# PRODUCT OVERVIEW



Wöhler Snap & Sweep®  
Regular / Strong  
p. 188 / 189



Wöhler Viper  
S  
p. 192



Wöhler Viper  
M / M PLUS  
p. 194 / 196

Applicationsen				
Chimneys (sizes in cm)	up to Ø 13 cm		•	
	Ø 13...20 cm	•		•
	Ø 20...40 cm	•		•
	from Ø 40 cm			
Flue Gas lines (sizes in mm)	Ø 40...100 cm		•	•
	Ø 100...250 cm	•		•
	from Ø 250 cm	•		
Heating boiler	•			
Connectors	•	•		•
Smoke chambers	•			
Downpipes	•	•		•
Features				
Cleaning horizontally / from above / from below	•	•		•
Sweeping from above	•	•		•
Stainless steel compatible	•	•		•
Freewheel brake				•
Rotating cleaning tool	•			
Technical data				
Length: GRP rod	1 m	15 m		15 / 20 m
Diameter: GRP rod	Ø 35 mm	Ø 4,5 mm		Ø 7 mm
Weight	0,32 kg	0,83 kg		1,8 – 2,0 kg
Size		Ø 28 cm		Ø 42 cm
Threaded connection: Female thread	M10	M5		M10

• = included





Wöhler Viper  
L  
p. 198



Wöhler Viper  
XL / XXL  
p. 200



Wöhler Rotary Viper  
Chimney  
p. 204

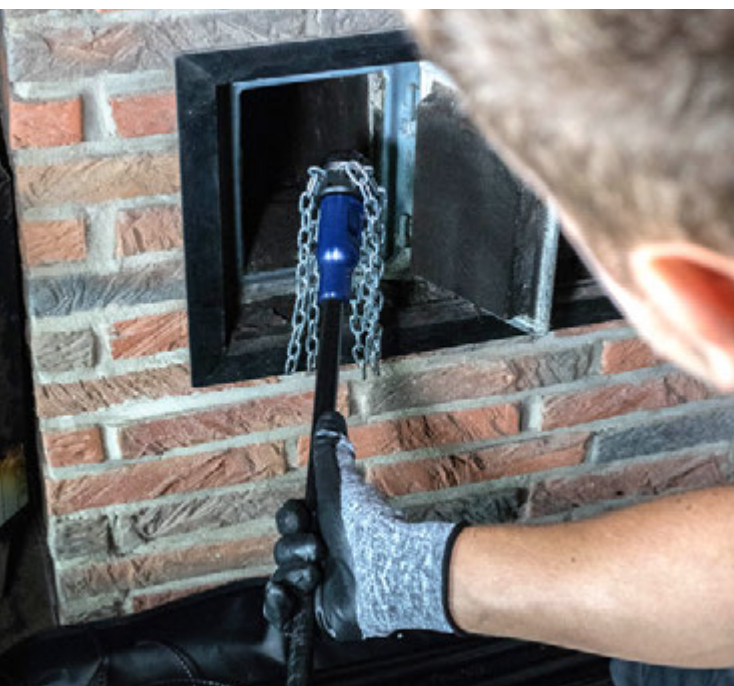


Wöhler Rotary Viper  
Heavy-Duty  
p. 206

		•	
			•
	•		•
	•		•
•		•	
•	•	•	
		•	
•	•	•	•
		•	•
•	•	•	•
		•	•
15 / 20 m	30 / 50 / 100 m	2,5 / 4 m	7 / 10 / 13 m
Ø 9 mm	Ø 11 mm	Ø 12 mm	Ø 20 mm
4,3 – 5,3 kg	21,6 – 34,2 kg	1,0 – 1,3 kg	6,5 – 8,5 kg
Ø 59 cm	Ø 88 / 100 cm		
M10	M10	M10	M10

# Wöhler Snap & Sweep® Regular

Powerful sweeping with chain



Accessories  
from p. 190



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## Applications

- ▶ Cleaning of:
  - Chimneys > Ø 130 mm

## Advantages

- ▶ Snap-in connectors for quick handling
- ▶ Secure plastic connections for the perfect bar length
- ▶ One-man operation
- ▶ Comfortable and clean transport in the carrying bag
- ▶ Stable, robust, flexible
- ▶ Effective cleaning thanks to rotary drive with standard cordless screwdriver
- ▶ Gentle sweeping with brush head and nylon wires, powerful sweeping with chain

## Technical data

Material	Plastic
Length	1 m
Operating temperature	-20...85 °C
Connectors	1 plug connection and 1 receptacle each
Color	Black
Flexural rigidity	approx. 118 kN cm <sup>2</sup>

## Professional Set "Chimney"

### Scope of delivery

10 cleaning rods with snap in quick connectors

Carrying bag rods

Perlon brush Ø 25 cm / 0,8 mm

Universal rotary head

6 nylon wires Ø 3 mm / 50 cm

6 stainless steel chains Ø 3 mm / 25 cm

Adapter for cordless screwdriver

Carrying bag brushes

Article no.

7779 A

# Wöhler Snap & Sweep® Strong

Powerful sweeping with large stars

**Applications**

- ▶ Cleaning of:
  - Large Chimneys
  - Free standing industrial chimneys

**Advantages**

- ▶ Snap-in connectors for quick handling
- ▶ Secure plastic connections for the perfect bar length
- ▶ One-man operation
- ▶ Comfortable and clean transport in the carrying bag
- ▶ Strong, robust and lightweight
- ▶ The inexpensive alternative for perfect chimney cleaning
- ▶ Powerful sweeping with up to 2 line stars

**Technical data**

Material	Plastic
Length	1 m
Operating temperature	-20...85 °C
Connectors	1 plug connection and 1 receptacle each
Color	Red
Flexural rigidity	approx. 189 kN cm <sup>2</sup>

**Professional Set "Large Chimney"**

**Scope of delivery**

10 cleaning rods with snap in quick connectors
Carrying bag rods
Drill adaptor

Article no. 2200 A





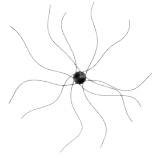
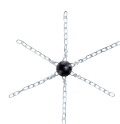





Accessories  
from p. 190





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# ACCESSORIES

		Article no.
Accessories		
	<b>Cleaning rod 1 m</b> Wöhler Snap & Sweep® Regular with snap in quick connectors	1222 A
	<b>Cleaning Rod 1 m</b> Wöhler Snap & Sweep® Strong	1800 A
	<b>Push rod 0,5 m</b> Wöhler Snap & Sweep® with handle piece	11270 A
	<b>Rotary Head Nylon Wires</b> Wöhler Snap & Sweep® nylon wires 6 pcs. / Ø 3 mm / length: each 50 cm	8784 A
	<b>Rotary Head Chains</b> Wöhler Snap & Sweep® stainless steel chains 6 pcs. / Ø 3 mm / length: each 15 cm	8785 A
	<b>Universal rotary head</b> Wöhler Snap & Sweep® with snap in connectors	8786 A
	<b>Push head adapter threaded/perlon brush</b> Wöhler Snap & Sweep® with M10 thread for holding M10 threaded & perlon brush	8978 A
	<b>Push head adapter large stars</b> Threaded Brushes Wöhler Snap & Sweep® Stainless steel attachment with female thread M10 for holding up to two line stars, brush heads and harpoon with M10 thread	10065 A
	<b>Stainless steel chain</b> Wöhler Snap & Sweep® 6 pcs. / Ø 3 mm length: each 15 cm	24466 A
	length: each 25 cm	24467 A
	<b>Nylon wire</b> Wöhler Snap & Sweep® 6 pcs. / Ø 3 mm length: each 30 cm	24468 A
	length: each 50 cm	24469 A

			Article no.
Accessories			
	<b>Brush Head Perlon</b> Wöhler Snap & Sweep®		
	Ø 15 cm	2 layers	Trimming 0,6 mm
	Ø 20 cm	2 layers	Trimming 0,8 mm
	Ø 25 cm	2 layers	Trimming 0,8 mm
	Ø 30 cm	2 layers	Trimming 1,0 mm
	Ø 35 cm	2 layers	Trimming 1,2 mm
	Ø 40 cm	4 layers	Trimming 2,0 mm
	<b>Extra large star</b> 3,3 x 0,6 mm galvanised steel flat wire		
	Ø 50 cm		13350 G
	Ø 60 cm		13360 G
	Ø 70 cm		13370 G
	Ø 80 cm		13380 G
	<b>Drill adaptor</b> Wöhler Snap & Sweep® for cordless screwdriver		2942 A
	<b>Carrying bag for rods</b> Wöhler Snap & Sweep®		61062 A
	<b>Repair Set</b> Wöhler Snap & Sweep® incl. connector end piece, connector start piece, pan head screws Ø 2,5 x 10 mm (6 pcs.)		11172 K

# Wöhler Viper S

Cleaning of openings from Ø 40 mm



## Applications

- ▶ Cleaning of:
  - Exhaust pipes Ø 40 – 150 mm
  - Connectors
  - Small air ducts
  - Dryer Vents

## Advantages

- ▶ GRP rod with abrasion-resistant PA sheath and metrication.
- ▶ Provides splash protection when inserting the wet GRP rod
- ▶ Ergonomically shaped handle
- ▶ 2 coupling holders – for right- and left-handers
- ▶ Fits in the Wöhler tool carrier and backpack measuring case
- ▶ For holding HT mini hole stars and HT pipe brushes

## Technical data

Basket diameter	28 cm	
Width	3,3 cm	
Weight	0,84 kg	incl. 15 m GRP rod

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# PRODUCT SELECTION

Length		Wöhler Viper S
		15 m
Scope of delivery		
Wöhler Viper S		•
GRP rod Ø 4,5 mm / 15 m		•
Stainless steel end piece M5		•
Guidance adapter		•
Length marking		•
Article no.		2028 I

## ACCESSORIES

		Article no.
Accessories		
	<b>GRP Rod Repair Kit</b> Ø 4,5 mm with stainless steel end piece, screws and allen wrench	3687 K
	<b>Mini Hole Star HT</b> 6 mm inside hole diameter, temperature resistant up to 230 °C	
	Ø 7 cm	15907 G
	Ø 10 cm	15910 G
	Ø 13 cm	15913 G
	Ø 15 cm	15915 G
	Ø 20 cm	15920 G
	<b>Threaded Brush HT</b> Thread M5, with guide ball, temperature resistant up to 230 °C	
	Ø 7 cm	14607 G
	Ø 10 cm	14610 G
	Ø 13 cm	14613 G
	Ø 15 cm	14615 G
	Ø 20 cm	14620 G

# Wöhler Viper M

With metrication



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## Applications

- ▶ Cleaning of:
  - Exhaust systems up to approx. Ø 250 mm
  - Connecting pieces up to approx. Ø 250 mm
  - Air ducts

## Advantages

- ▶ GRP rod with abrasion-resistant PA sheath with metrication
- ▶ Precisely adjustable freewheel brake
- ▶ Transport option for two additional line stars
- ▶ Coupling holder for sweeping and transporting
- ▶ For carrying line stars and threaded brushes



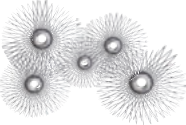
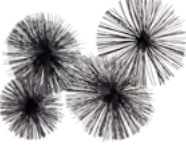

## Technical data

Basket diameter	42 cm	
Weight	approx. 2 kg	incl. 15 / 20 m GRP rod
Freewheel brake	exactly adjustable	
GRP rod	Ø 7 mm	
Stainless steel end piece	M10	

# PRODUCT SELECTION

	Wöhler Viper M	
Length	15 m	20 m
<b>Scope of delivery</b>		
Wöhler Viper M	•	•
GRP rod Ø 7 mm / 15 m	•	
GRP rod Ø 7 mm / 20 m		•
Stainless steel end piece M10	•	•
GRP starholder	•	•
Protection tube	•	•
Article no.	7649 I	7648 I

## ACCESSORIES

		Article no.
<b>Accessories</b>		
	<b>GRP Rod Repair Kit</b> Ø 7 mm with stainless steel end piece, screws and allen wrench	3696 K
	<b>GRP Rod</b> PA-coat with length marking Ø 7 mm / with stainless steel end piece M10 internal thread	
	15 m	7015 I
	20 m	7020 I
	<b>Star Set Stainless Steel Flat Wire</b> 3 Stars / Ø 20 cm / soft 6 Stars / Ø 25 cm / medium hard 6 Stars / Ø 30 cm / medium hard	3709 G
	<b>Threaded Brush Set Perlon</b> M10 thread 1 Star / Ø 20 cm / 2 layers / 1,2 mm 1 Star / Ø 25 cm / 2 layers / 1,2 mm 1 Star / Ø 30 cm / 2 layers / 1,2 mm 1 Star / Ø 35 cm / 3 layers / 2 mm	5529 G
	<b>Star Set HT</b> 2 Stars / Ø 15 cm 4 Stars / Ø 20 cm 2 Stars / Ø 25 cm	3100 G

# Wöhler Viper M PLUS

With digital meter counting – internal M10 thread



## Applications

- ▶ Cleaning of:
  - Exhaust systems up to approx. Ø 250 mm
  - Connecting pieces up to approx. Ø 250 mm
  - Air ducts

## Advantages

- ▶ Digital meter counting
- ▶ Quick-change push head for convenient changing of line stars
- ▶ GRP rod with abrasion-resistant PA sheath and protective hose
- ▶ Precisely adjustable freewheel brake and transport lock
- ▶ Transport option with star holder with protective plate for two additional line stars
- ▶ Coupling holder for sweeping and transporting
- ▶ For holding line stars and threaded brushes

## Technical data

Basket diameter	42 cm	
Weight	approx. 2 kg	incl. 15/20 m GRP rod
Freewheel brake	exactly adjustable	
GRP rod	Ø 7 mm	
Stainless steel end piece	M10	



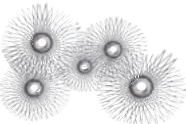
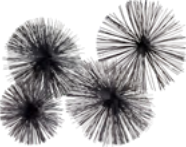

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# PRODUCT SELECTION

Wöhler Viper M PLUS		
Length	15 m	20 m
<b>Scope of delivery</b>		
Wöhler Viper M PLUS	•	•
GRP rod Ø 7 mm / 15 m	•	
GRP rod Ø 7 mm / 20 m		•
Stainless steel end piece M10	•	•
Quick change star holder	•	•
GRP push head for mounting stars	•	•
Article no.	3770 I	3790 I

## ACCESSORIES

		Article no.
<b>Accessories</b>		
	<b>GRP Rod Repair Kit</b> Ø 7 mm with stainless steel end piece, screws and allen wrench	3696 K
	<b>GRP Rod</b> PA-coat with length marking Ø 7 mm / with stainless steel end piece M10 internal thread	
	15 m	7015 I
	20 m	7020 I
	<b>Star Set Stainless Steel Flat Wire</b> 3 Stars / Ø 20 cm / soft 6 Stars / Ø 25 cm / medium hard 6 Stars / Ø 30 cm / medium hard	3709 G
	<b>Threaded Brush Set Perlon</b> M10 thread 1 Star / Ø 20 cm / 2 layers / 1,2 mm 1 Star / Ø 25 cm / 2 layers / 1,2 mm 1 Star / Ø 30 cm / 2 layers / 1,2 mm 1 Star / Ø 35 cm / 3 layers / 2 mm	5529 G
	<b>Star Set HT</b> 2 Stars / Ø 15 cm 4 Stars / Ø 20 cm 2 Stars / Ø 25 cm	3100 G

# Wöhler Viper L

Cleaning of medium sized chimneys, ventilation and ground pipes



## Applications

- ▶ Cleaning of:
  - Medium sized chimneys
  - Air ducts > 250 mm
  - Ground pipes

## Advantages

- ▶ GRP rod with abrasion – resistant PA coat, protective hose and metrication
- ▶ Very stable and therefore suitable for pushing very large threaded stars
- ▶ Can be used as a guiding aid together with Wöhler VIS camera trolley, Wöhler VIS 500 cable camera and stabilising sleeve

## Technical data

Cage diameter	59 cm	
Weight	approx. 4 kg	incl. 15 / 20 m GRP rod
Freewheel brake	Exactly adjustable	Additional transport lock via locking lever
GRP rod	Ø 9 mm	
Stainless steel end piece	M10	



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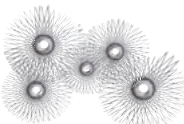
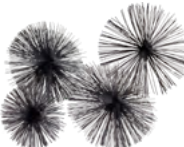




# PRODUCT SELECTION

		Wöhler Viper L	
Length		15 m	20 m
<b>Scope of delivery</b>			
Wöhler Viper L		•	•
GRP rod Ø 9 mm / 15 m		•	
GRP rod Ø 9 mm / 20 m			•
Stainless steel end piece M10		•	•
GRP starholder		•	•
Protection tube		•	•
Article no.		9412 I	9413 I

## ACCESSORIES

		Article no.
  	<b>GRP Rod Repair Kit</b> Ø 9 mm with stainless steel end piece, screws and allen wrench	3690 K
	<b>Star Set Stainless Steel Flat Wire</b> 3 Stars / flat wire / Ø 20 cm / soft 6 Stars / flat wire / Ø 25 cm / medium hard 6 Stars / flat wire / Ø 30 cm / medium hard	3709 G
	<b>Threaded Brush Set Perlon</b> M10 thread 1 Star / Ø 20 cm / 2 layers / 1,2 mm 1 Star / Ø 25 cm / 2 layers / 1,2 mm 1 Star / Ø 30 cm / 2 layers / 1,2 mm 1 Star / Ø 35 cm / 3 layers / 2 mm	5529 G

# Wöhler Viper XL / XXL

Cleaning of large chimneys, air and ground pipes



## Applications

- ▶ Inspection and Cleaning of:
  - Large chimneys
  - Air ducts
  - Basic ducts
  - Air-ground heat exchanger from Ø 250 mm

## Advantages

- ▶ GRP rod with abrasion – resistant PA sheath and metrication
- ▶ Very stable and therefore suitable for pushing very large linen stars or threaded brushes
- ▶ For holding line stars and threaded brushes

## Technical data

Basket diameter	80 / 80 / 100 cm
Width	50 / 50 / 50 cm
Height	93 / 94 / 116 cm
Weight	18,8 / 21,6 / 34,2 kg incl. 30 / 50 / 100 m GRP rod

The vipers are also available in other rod lengths.




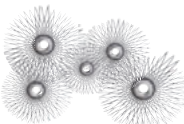
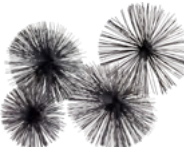
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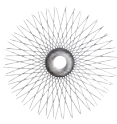

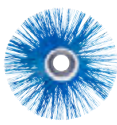

# PRODUCT SELECTION

Length	Wöhler Viper XL / XXL		
	30 m	50 m	100 m
<b>Scope of delivery</b>			
Wöhler Viper XL	•	•	
Wöhler Viper XXL			•
Viper cage 80 cm and wheels	•	•	
Viper cage 100 cm and wheels			•
GRP rod Ø 11 mm, 30 m long	•		
GRP rod Ø 11 mm, 50 m long		•	
GRP rod Ø 11 mm, 100 m long			•
Stainless steel end piece M10	•	•	•
Star holder adaptor	•	•	•
Article no.	4399 I	3332 I	3337 I

## ACCESSORIES





		Article no.
  	<b>GRP Rod Repair Kit</b> Ø 11 mm with stainless steel end piece, screws and allen wrench	3691K
	<b>Star Set Stainless Steel Flat Wire</b> 3 Stars / flat wire / Ø 20 cm / soft 6 Stars / flat wire / Ø 25 cm / medium hard 6 Stars / flat wire / Ø 30 cm / medium hard	3709 G
	<b>Threaded Brush Set Perlon</b> M10 thread 1 Star / Ø 20 cm / 2 layers / 1,2 mm 1 Star / Ø 25 cm / 2 layers / 1,2 mm 1 Star / Ø 30 cm / 2 layers / 1,2 mm 1 Star / Ø 35 cm / 3 layers / 2 mm	5529 G

## STARS

		Article no.
Stars		
	<b>Star</b> stainless steel flat wire	
	Ø 15 cm / soft	14015 G
	Ø 20 cm / soft	14020 G
	Ø 25 cm / medium hard	14125 G
	Ø 30 cm / medium hard	14130 G
	Ø 35 cm / hard	14135 G
	Ø 40 cm / very hard	14240 G
	<b>Star</b> stainless steel crimped wire	
	Ø 15 cm	14315 G
	Ø 20 cm	14320 G
	Ø 25 cm	14325 G
	Ø 30 cm	14330 G
	<b>Star HT</b> temperature resistant up to 250 °C	
	Ø 15 cm	12815 G
	Ø 20 cm	12820 G
	Ø 25 cm	12825 G
	Ø 30 cm	12830 G
	<b>Star Perlon</b>	
	Ø 15 cm / 1,2 mm	2019 G
	Ø 20 cm / 1,2 mm	2752 G
	Ø 25 cm / 1,2 mm	2755 G
	Ø 35 cm / 1,2 mm	2018 G
	Ø 40 cm / 2 mm	8140 G

other sizes on request

## BRUSHES

		Article no.
Threaded Brushes		
	<b>Threaded Brush</b> M10 thread stainless steel wire, soft	
	Ø 15 cm	18915 G
	Ø 20 cm	18420 G
	Ø 25 cm	18425 G
	Ø 30 cm	18530 G
	Ø 35 cm	18535 G
	<b>Threaded Brush</b> M10 thread stainless steel crimped wire	
	Ø 15 cm	19115 G
	Ø 20 cm	19120 G
	<b>Threaded Brush HT</b> M10 thread temperature resistant up to 250 °C	
	Ø 15 cm	19815 G
	Ø 20 cm	19820 G
	Ø 25 cm	19825 G
	<b>Threaded Brush Perlon</b> M10 thread	
	Ø 15 cm / 1,2 mm	18715 G
	Ø 20 cm / 1,2 mm	4332 G
	Ø 25 cm / 1,2 mm	3564 G
	Ø 30 cm / 1,2 mm	3500 G
	Ø 35 cm / 2 mm	4424 G
	Ø 40 cm / 2 mm	18740 G
	Ø 50 cm / 2 mm	18750 G

other sizes on request

# Wöhler Rotary Viper Chimney

Effective chimney cleaning



## Applications

- ▶ Cleaning of:
  - Connectors Ø 80 - 250 mm
  - Air ducts in tiled stoves
  - Air ducts Ø 80 - 250 mm

## Advantages

- ▶ Brush head pushes the soot out of the pipe and is easy to guide due to ergonomic shape
- ▶ End piece very short, particularly advantageous for narrow bends
- ▶ Mains-independent operation with cordless screwdriver
- ▶ Right-hand / left-hand rotation possible, thus particularly high cleaning effect

## Technical data

Length	2,5 / 4 m	
Max. Torque	right rotation	3 Nm
	left rotation	1,5 Nm
Ultimate moment	right rotation	
	left rotation	
Max. Speed	right rotation	
	left rotation	
Coating	material	PA
	diameter	Ø 12 mm
Connection for cleaning attachment	M10	
Operating temperature	0...80 °C	

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# PRODUCT SELECTION

Wöhler Rotary Viper Chimney		
Length	2,5 m	4 m
<b>Scope of delivery</b>		
Wöhler Rotary Viper Chimney 2,5 m	•	
Wöhler Rotary Viper Chimney 4 m		•
Stainless steel end piece M10	•	•
Perlon brush head Ø 18 cm	•	•
Article no.	8423 I	8424 I

## ACCESSORIES

		Article no.
 	<b>Brush Head Perlon</b> M10 thread	
	Ø 10 cm	7147 G
	Ø 12,5 cm	1458 G
	Ø 16 cm	7150 G
	Ø 18 cm	1466 G
	Ø 20 cm	7164 G
	Ø 25 cm	7102 G
	<b>Threaded Brush Perlon</b> M10 thread Ø 30 cm	18730 G

# Wöhler Rotary Viper Heavy-Duty

Effective chimney cleaning



## Applications

- ▶ Cleaning of:
  - Chimneys with hard and glossy soot, creosote

## Advantages

- ▶ Thorough, fast and convenient cleaning
- ▶ The stable bending shaft can be pushed up and lowered in the chimney without a guide rod
- ▶ Ideal also for pulled chimneys
- ▶ The integrated slip clutch between the drill and the bending shaft increases safety
- ▶ Right-hand / left-hand rotation possible, thus particularly high cleaning effect



## Technical data

Coating	crush / buckling resistant Ø 20 mm
Length	7 / 10 m
Connection cleaning attachment	M10 thread
Spigot for drill chuck	Ø 10 mm
End pieces	ball bearing
Inner Core	Ø 10 mm right / left winding








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# PRODUCT SELECTION







Length	Wöhler Rotary Viper Heavy-Duty		
	7 m	10 m	13 m
<b>Scope of delivery</b>			
Wöhler Rotary Viper Heavy-Duty 7 m	•		
Wöhler Rotary Viper Heavy-Duty 10 m		•	
Wöhler Rotary Viper Heavy-Duty 13 m			•
Safety clutch	•	•	•
End piece for holding chains	•	•	•
Stainless steel chain Ø 5 mm / 3 m	•	•	•
Article no.	7437 J	7440 J	7423 J

## ACCESSORIES

		Article no.
<b>Accessories</b>		
	<b>Endpiece for holding chains</b> Stainless steel, with 4 screws M10 for the attachment of the chains	7540 K
	<b>Chain Stainless Steel</b> Ø 5 mm / 3 m	3108 O
	<b>Sealing Element square</b> with hole / 11 x 23 cm / 19 x 31 cm	50666 J
	<b>Sealing Elements Set</b> to seal chimney doors 14 x 20 cm or similar measurements as well as pipe connections 10 – 15 cm or 15 – 20 cm	3708 I
	<b>Sealing Element square</b> for fire places or similar actions with hole // 14 x 20 / 12 x 18 cm // 13,5 x 19,5 cm / 17,5 x 23,5 cm // 8,5 cm high	50000 I
	<b>Sealing Element</b> for fireplace doors 20 x 30 cm or similar actions with hole // 18,5 x 22,5 cm / 27,5 x 35,5 cm // 11,5 cm high	3430 I
	<b>Grease Press</b> with multi-purpose grease 65 ml	3436 K

# BOILER CLEANING: PRODUCTS / ACCESSORIES

		Article no.
Brushes		
	<b>Boiler Brush Stainless Steel Crimped Wire</b> M10 thread	
	Ø 20 mm	1573 G
	Ø 25 mm	1576 G
	Ø 30 mm	1579 G
	Ø 40 mm	1583 G
	Ø 50 mm	1587 G
	Ø 60 mm	1591 G
	Ø 80 mm	1595 G
	Ø 100 mm	1599 G
	Ø 120 mm	1603 G
	25 x 50 mm	1607 G
	50 x 100 mm	1615 G
	70 x 120 mm	5121 G
	<b>Boiler Brush Perlon</b> M10 thread	
	Ø 20 mm	1574 G
	Ø 25 mm	1577 G
	Ø 30 mm	1580 G
	Ø 40 mm	1584 G
	Ø 50 mm	1588 G
	Ø 60 mm	1592 G
	Ø 80 mm	1596 G
	25 x 50 mm	1608 G
	40 x 80 mm	1612 G
	50 x 100 mm	1616 G
	<b>Boiler Brush Springs</b> thread M10	
	Ø 3 mm / Ø 40 mm	1726 G
	Ø 3 mm / Ø 60 mm	1727 G
	Ø 3 mm / Ø 80 mm	2827 G
	<b>Boiler Brush Flat Wire</b> thread M10	
	1,25 x 0,25 mm / 40 x 80 mm	1610 G
	1,25 x 0,25 mm / 50 x 100 mm	1614 G
	<b>Boiler Brush Stainless Steel</b>	1637 G
	Ø 20 mm	1637 G
	Ø 30 mm	1638 G
	Ø 40 mm	1639 G
	Ø 50 mm	1640 G
	Ø 60 mm	1641 G
	Ø 80 mm	1642 G
	10 x 25 mm	1653 G
	25 x 50 mm	1654 G
	15 x 80 mm	1658 G
	40 x 80 mm	1656 G

		Article no.
<b>Brushes</b>		
	<b>Boiler Brush Perlon</b>	
	Ø 20 mm	1645 G
	Ø 30 mm	1646 G
	Ø 40 mm	1647 G
	Ø 50 mm	1648 G
	Ø 60 mm	1649 G
	Ø 80 mm	1650 G
	10 x 25 mm	1659 G
	25 x 50 mm	1660 G
	40 x 80 mm	1662 G
	<b>Dane brush</b> with grub screw M10 1 internal and 1 external thread M10 ideal for cleaning boiler walls and corners, we recommend the boiler rod aluminum	1676 G
	<b>Back wall brush</b> with external thread M10 Ø 50 mm / 15 cm x 13 cm / corrugated stainless steel wire we recommend the boiler rod aluminum	1677 G
	<b>Viessmann brush</b> with female thread M6 30 x 20 mm / crimped VA wire we recommend the boiler rod for Viessmann brushes for this purpose	5547 G
	<b>Buderus brush</b> with thread M10 15 x 80 mm / crimped VA wire	1674 G
<b>Brush Rods</b>		
	<b>Brush Rod</b> with internal and external thread M10 1 m long / aluminium pipe / 20 x 1,2 mm stable rod, with what you can push the boiler brushes against the surface to be cleaned	5433 I
	with internal thread M10 1 m long / spring steel / Type B (Ø 3 x 3,8 mm)	1624 I
	with internal thread M10 1,2 m long / spring steel / Type B (Ø 3 x 3,8 mm)	1625 I
	with internal thread M10 1 m long / spring steel / wire Ø 6 mm	1630 I
	with external thread M6 1 m long / for Viessmann-Brushes	5546 I

# Wöhler Multi Key

For chimney doors and inspection openings



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## Applications

Universal key for opening several different revision openings like e.g. chimney doors, etc.

## Advantages

- ▶ Special self-adjusting 6 – 11 mm clean out door opener
- ▶ Square steel cone 6 – 10mm
- ▶ Butterfly key
- ▶ Compact for your pocket
- ▶ 150 g light weight

## Scope of delivery

Wöhler Multi Key

Bit holder

Four bits

Article no. 3232 I

## Scope of delivery

Belt Bag Multi Key

Article no. 3233 G



# Wöhler Multi Key Ring

For chimney doors and inspection openings

## Applications

Universal key for opening several different revision openings like e.g. chimney clean out doors etc.

## Advantages

- ▶ Fits in your pocket
- ▶ Stainless steel
- ▶ Only Ø 95 mm
- ▶ 170 g light weight



## Scope of delivery

Wöhler Multi Key Ring

Hollow square wrench 6 – 8 mm

Full square wrench 5 – 8 / 7 – 9 mm

Wrench for butterfly nuts

Key wrench

Loop for key chain

Article no. 6770 I

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# Wöhler Soot Bucket

Made of aluminium



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## Applications

For collecting soot and or carrying cleaning tools

## Advantages













- Rectangular form – ideal for typical soot doors

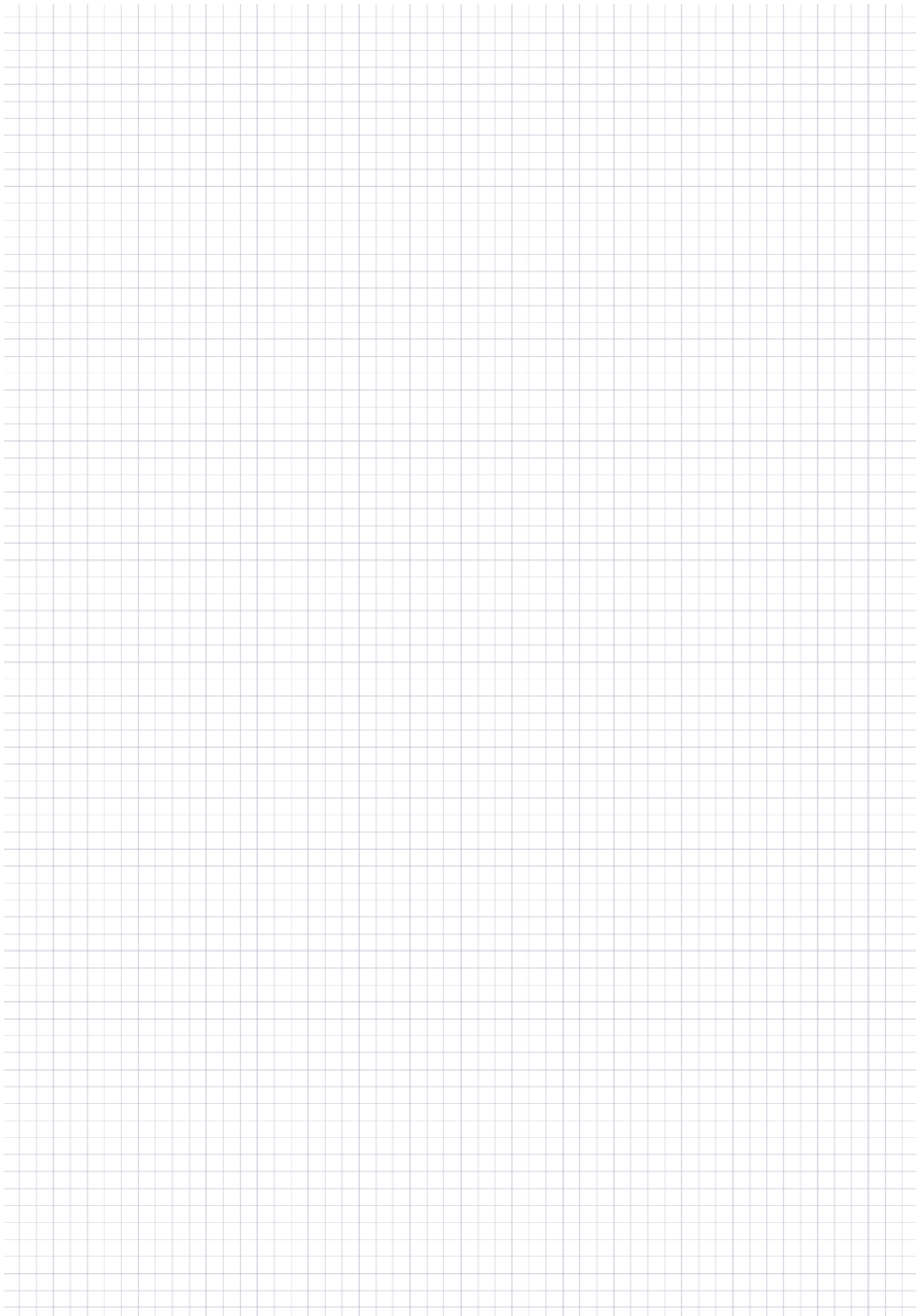
## Scope of delivery

Wöhler Soot bucket

Article no. 3439 O

## EQUIPMENT

		Article no.
<b>Chimney Sweeper Puppets</b>		
	<b>Mini Chimney Sweeper Puppets</b> colored 72 pieces in a bag	11185 I
	<b>Mini Chimney Sweeper Puppets</b> black 500 pieces in a bag	411 O
<b>Hand brushes</b>		
	<b>Arenga Hand Brush</b> 34 cm, natural fiber	1547 I
	<b>Hand Brush</b> 25 cm, horse hair	1542 I
	<b>Hand Brush</b> 60 cm, horse hair	1543 I
	<b>Wire Hand Brush</b> 30 cm	1544 I
	<b>Wire Hand Brush</b> 50 cm	1545 I
<b>Protection / Safety</b>		
	<b>Wöhler LED-Flashlight</b> with hand strap and Lithium-Ionen battery	4464 I
	<b>Work gloves</b> 12 pair   size 10 / XL full grain cowhide leather, thumb and index finger completely made of leather, working glove according to DIN EN 388	11169 I
	<b>Overcoat Shoes</b> size. 39 - 42	5407 I
	size. 43 - 45	5429 I
	size. 46 - 48	5431 I
<b>Cleaning agents</b>		
	<b>Wöhler Hand Brush Wood</b> Milled wooden body, short trim for groove-clean cleaning	2060 I
	<b>Hand Cleaning Wipes</b> 90 pcs / dispenser	8675 I



# General Terms and Conditions of the Wöhler Technik GmbH

## I. Scope of Terms and Conditions

1. All business transactions entered into between Wöhler Technik GmbH (hereinafter referred to as "seller") and the buyer are subject to the following General Terms and Conditions as amended at the time of the purchase order.
2. We only deliver to business customers.
3. Our offering of goods in the Internet and in our catalogue does not constitute a binding offer in the legal sense. Upon placing an order, you make us an offer which we then accept either by explicitly confirming the order or by delivering the goods.

## II. Delivery, shipping costs and passage of risk

1. We deliver the goods at the buyer's expense to the delivery address specified by the buyer.
2. Deliveries outside Germany will be handled in accordance to DAP (Incoterms 2010).
3. Shipping and packaging costs for bulky goods (e.g. chimney tops, dust catchers, tube winders) will be specified at request.

## III. Prices and terms of payment

1. All prices, including any instalment rates, are quoted in Euros and do not include VAT at the legal rate and shipping costs.
2. If after conclusion of the contract it becomes apparent that our claim to payment is jeopardized by the buyer's inability to pay, we may refuse to duly perform and may fix the buyer a deadline for payment concurrently with delivery or provision of security. If the deadline fixed expires without result, we are entitled to rescind the contract. The requirement to fix a deadline may be dispensed with if the buyer definitely and in earnest refuses to pay or if Special circumstances justify immediate cancellation of the contract, having regard to both parties' interests.

## IV. Reservation of ownership

1. We retain title to all goods delivered by us until full payment of the purchase price. In the event of seizure or any other intervention by third parties, the buyer shall immediately inform us in writing.
2. The buyer is entitled to resell the purchased goods in the ordinary course of business; provided, however, the buyer hereby assigns to us all claims in the amount of the total invoice amount against his customers or third parties which accrue to the buyer from the resale of the goods, regardless of whether such goods have been resold without or after further processing.
3. The buyer retains its right to collect such claims even after the assignment.
4. This does not affect our own right to collect the claims ourselves. We agree that we will not collect such claims provided that the buyer meets his payment obligations on the basis of any consideration collected, that the buyer does not default on payment and that no petition in bankruptcy is been filed against the buyer and that the buyer does not suspend payment. If any of the above does occur, we are entitled to demand that the buyer notifies us of the claims assigned and of the identity of the relevant debtors, that the buyer provides us with all details necessary for collection, that the buyer hands over the relevant documents and informs the debtors (third parties) of such assignment.
5. We undertake to release any securities due to us at the buyer's request to the extent that the realisable value of our securities exceeds the claims to be secured by more than 10 %; provided, however, that we are entitled to select the securities to be released.

## V. Warranty and liability

1. In case of new goods the warranty period is one year as of delivery of the goods to the first buyer. The warranty covers all manufacturing and material defects. Second-hand goods, wear parts and consumables (e.g. rechargeable batteries, sensors, filters), damages due to abnormal use or normal wearing are not covered by warranty.
2. The removal of defects falls to the manufacturer or an authorized Wöhler service point. The removal does not cause a warranty extension. Costs for packaging and transport as well as advanced services (calibration and checking) are not covered by warranty.
3. This limitation of liability does not apply to damages for injury to life, body and health for which the Seller is culpably responsible and/or to damage or loss caused intentionally or through gross negligence or fraudulence on the part of the Seller and/or if the Seller has made any warranties with regard to the nature of the goods and/or where claims under the Product Liability Act are concerned.
4. The liability for damage or loss of legal interests other than life, body and health is excluded insofar as such damage or loss has not been caused by intentional or grossly negligent behaviour on the part of the Seller or the Seller's legal representatives or vicarious agents and provided that such conduct does not constitute violation of substantial covenants. This exclusion of liability does not apply where claims under the Product Liability Act are affected.
5. All warranty claims expire if the products serial number is intentionally manipulated, erased or made illegible or if repairs and or adjustments have been carried out from unauthorized third parties.
6. Please use our service order form for all warranty claims and include it to the parcel, together with a proof of purchase.

## VI. Place of performance, place of jurisdiction and governing law

1. The principal place of business of Wöhler Technik GmbH is the place of performance and exclusive jurisdiction for deliveries and payments and for any disputes arising between the Seller and the buyer out of any contracts entered into between them.
2. Any contracts between the buyer and the seller are governed by the law of the Federal Republic of Germany. The United Nations Convention on Contracts for the International Sale of Goods as of April 11, 1980 (CISG) does not apply hereto. The Incoterms 2010 of the International Chamber of Commerce at Paris apply.
3. In the event that any of the provisions of the contract made with the buyer, including these Standard Terms and Conditions, is or becomes invalid, then this shall not affect the validity of the other provisions.

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