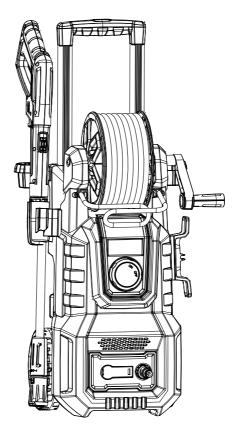


# High pressure washer

KS PW160V-BL



Thank you for choosing **Könner & Söhnen®** products. This manual contains a brief description of safety, setup and use. More information can be found on the official importer's website in the support section: **konner-sohnen.com/manuals** 

You can also go to the support section and download the manual by scanning the QR code or on the website of the official importer of **Könner & Söhnen®** at **www.konner-sohnen.com** 



Please, read this manual carefully before use!

The manufacturer of **Könner & Söhnen®** products reserves the right to make changes that may not be reflected in this manual, namely:

- The manufacturer reserves the right to make changes in the product design, configuration and construction.

- The images and drawings in this manual are for reference only and may differ from the actual components and inscriptions on the products.

Contact information that you are free to use in case of any problems can be found at the end of this manual. All information in this user manual is up-to-date as of the time of publication. The current list of service centers can be found on the official importer's website at **www.konner-sohnen.com** 



Failure to follow the recommendations marked with this sign may lead to serious injury or death of the operator or third parties.



IMPORTANT!

Useful information while operating the machine.

# **IMPORTANT SAFETY INFORMATION**

1





Read all instructions. Failure to follow all of the instructions below may result in electric shock, fire, and/or serious injury.

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The machines must not be used by children. Children should be supervised to ensure that they do not play with the appliance.

# FOR COMMERCIAL USE:

This machine must not be used by persons (including children) with reduced physical, sensory or mental skills or lack of experience and knowledge.

# NOT FOR COMMERCIAL USE:

This machine can be used by persons with reduced physical, sensory or mental abilities or lack of experience and knowledge when they are supervised or safe.

Use of the machine requires understanding the associated dangers.

Use suitable personal protective equipment (PSA) for high-pressure cleaners in operation, eg safety shoes, protective gloves, protective visors, hearing protection, etc.,



Danger of recoil forces and the suddenly occurring torque on the nozzle when the spray gun is opened.





This machine has been developed for the use of the detergent supplied or recommended by the manufacturer. The use of other cleaning agents or chemicals can affect the safety of the machine.



WARNING!

Â

High pressure jets can be dangerous if used improperly. The jet must not be directed at persons, active electrical equipment or on the machine itself.

- Do not use the appliance with people within its range of action unless they are wearing protective clothing.
- Do not point the jet at yourself or others to clean clothing or footwear.
- Disconnect the power supply before carrying out maintenance by the user.
- High pressure cleaners must not be operated by children or unskilled persons.
- To ensure the safety of the device, use only original spare parts from the manufacturer or parts approved by the manufacturer.
- Do not use the device if the electrical cable or any important parts of the device are damaged, such as safety devices, high-pressure hoses, or the spray gun.
- If the extension cord is used, the plug and socket must be waterproof.



Unsuitable extension cables can be dangerous, if an extension cable is used, it must be suitable for outdoor use, and the connection must be kept dry and off the ground. Use of a power cable reel which keeps the socket at least 60 mm above the ground is strongly recommended.

- Switch the appliance off and disconnect it from the power supply before assembly, cleaning, adjustments, maintenance, storage and transportation.
- The electric supply connection must be made by a qualified electrician and comply with IEC 60364-1. Either a residual current device that will cut off the power supply if the leakage current to earth exceeds 30 mA for 30 ms or a ground fault interrupt device must be installed.



Do not use the machine if a connecting cable or important parts of the machine are damaged, Eg safety devices, high pressure hoses, spray gun. The machines are not suitable for connection to portable water pipes. Connect the machine to the water supply.

- Use the device on a flat surface.
- For safety purposes, perform inspections and maintenance every three months. Before use, check the filter and nozzle for any blockages. After use, ensure that no water remains in the pump or hose.
- Overload protection: When the nozzle is clogged or the high-pressure hose is kinked, the overload protection function will activate, and the machine will automatically shut off. After resolving the issue, turn the switch back on and restart the machine.
- 1. Read all instructions before using the product. Save all safety instructions.
- 2. Do not operate the pressure cleaner when fatigued or under the influence of alcohol or drugs.
- 3. Risk of injury do not direct the high pressure water stream at any people or animals.
- 4. Children should never use the high-pressure washer.
- 5. To reduce the risk of injury, constant supervision is necessary when the pressure cleaner is used near children.
- 6. Be aware of how to quickly stop the device and immediately reduce the pressure. Be completely familiar with the controls.
- 7. Stay alert always be aware of where you are directing the high pressure jet.
- 8. Keep cleaning area clear of all people.
- 9. Always keep a stable position do not lean too far or stand on an unstable surface.

konner-sohnen.com | 2

10. The work area should have adequate drainage to reduce the possibility of a fall due to slippery surfaces.

- 11. Follow the maintenance instructions specified in the manual.
- 12. To reduce the risk of electric shock, keep all connections dry and off the ground. Do not touch plug with wet hands.
- 13. It is important to be aware of the information regarding the use of the nozzle, the risk of jet recoil, and the sudden torque when opening the spray gun.
- 14. It is recommended that the electric supply to this machine should include either a residual current device that will interrupt the supply if the leakage current to earth exceeds 30 mA for 30 ms or a device that will prove the earth circuit.
- 15. WARNING! Do not use the machine within range of persons unless they wear protective clothing
- 16. WARNING! Risk of explosion Do not spray flammable liquids
- 17. WARNING! High pressure hoses, fittings and couplings are important for the safety of the machine. Use only hoses, fittings and couplings recommended by the manufacturer
- 18. Water that has flowed through a backflow preventer is considered unsuitable for drinking.

### **GENERAL SAFETY PRECAUTIONS**

- 1. Intended for outdoor and household use only.
- 2. The high-pressure hose may leak due to wear, kinks, or improper use. Do not use a damaged hose.
- 3. Do not use the pressure cleaner in areas near combustible materials, combustible fumes, or dust.
- 4. Some chemicals or detergents may be harmful if inhaled or swallowed causing severe injury. Use a respirator or mask whenever there is a chance that vapors may be inhaled. Read all instructions included with the mask so you are certain the mask will provide the necessary protection against inhaling harmful vapors.
- 5. Before starting the pressure cleaner in cold weather, check all of the parts of the equipment and be sure that ice has not formed. Do not store the unit anywhere that the temperature will fall below 0 °C (32 °F).
- 6. DO NOT MAKE ANY MODIFICATIONS TO ANY OF THE COMPONENTS! Units with broken or missing parts, or without the protective housing or covers should NEVER be operated
- 7. Keep the high-pressure hose connected to the pressure cleaner and the spray gun while the system is pressurized. Disconnecting the hose while the unit is pressurized is dangerous, and may cause injury.
- 8. Always turn off the power and disconnect the machine when it is left unattended.
- 9. Keep water jet away from electrical wiring or fatal electric shock may result.
- 10. Before use, connect the device to the water supply, pull the trigger on the spray gun, and only then turn on the pressure washer.



2

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.

	Read the user manual.
$\triangle$	Denotes risk of personal injury, loss of life, or damage to the tool in case of non-compliance.
CE	Complies with the European directives applicable to this product.
	This product is rated in insulation class I, This means that it is equipped with a protective earthing conductor (only if symbol appears on appliance).
	Wear personal protective equipment. Basically, wear protective goggles or, even better, face protection, ear protection.

	To reduce the risk of injury, never direct a water stream towards people or pets or place any body part in the stream. Leaking hoses and fittings are also capable of causing injection injury. Do not hold hoses or fittings.	
	To reduce the risk of injury from kickback, hold the spray lance securely with both hands when the machine is on.	
۲	Using the device in damp conditions or failing to follow safety precautions can result in electric shock.	
	The high pressure jet must not be directed at people, animals, electrical equip- ment under voltage or at the appliance itself.	
	The appliance must not be directly connected to the public drinking water network.	
	Do not expose to rain.	
	Disconnect from mains power immediately if the power cord becomes damaged.	
	Electrical waste should not be disposed of with household waste. Please recycle where appropriate facilities are available. Check with your Local Authority or retailer for recycling advice.	
Ø	Recycle unwanted materials instead of disposing of them as waste.All tools,hoses and packaging should be sorted,taken to the local recycling centre and disposed of in an environmentally safe way.	

# THIS EQUIPMENT MUST BE GROUNDED

- In the case of a malfunction or defect, grounding provides the lowest resistance, reducing the risk of electric shock.
- The power cable must be connected to the appropriate socket according to national standards and installation and grounding rules.
- The operating voltage is the national power supply. If you are not sure whether the outlet is properly grounded, ask a qualified electrician or maintenance technician to check.
- DO NOT make any changes to the plug of the device. If a different type of plug is required, consult a qualified electrician. Do not use this device with adapters.

# USE OF EXTENSION CORDS

- Use only a 3-wire extension cord with plugs that are grounded for safety and suitable for the connector.
- Use only extension cords designed for outdoor use and ensure they are securely connected to the socket. These extension cords should be labeled as "Suitable for outdoor use." Do not store extension cords outdoors when not in use. Use an extension cord with a rated voltage and current suitable for the appliance.
- Damaged extension cords must not be used. Check them before use and replace if damaged. Damaged power cables or a special cable with connector can only be replaced the manufacturer or customer service representatives.
- Use extension cords only for their intended purpose. Do not use the cable, especially when unplugging it from the socket.
- Keep the cable away from heat and sharp edges. Always disconnect the extension cord from the wall outlet before removing the device from the extension cable connector.



To reduce the risk of electric shock, keep all connections dry and off the ground. Do not touch the plug with wet hands.





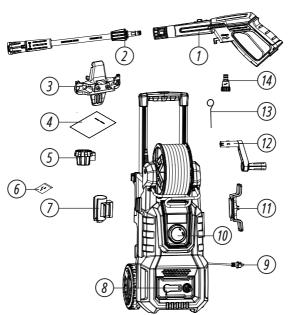
This unit is intended for use with cold water only! Do not use hot water in this pressure cleaner.

- Operate the pressure cleaner at no more than the fluid pressure rated for the pressure cleaner. Never run the pressure cleaner without a water supply. Running the unit without a water supply will cause irreparable damage to the unit.
- Make sure that the water supply you use for the pressure cleaner is not dirty, sandy, and does not hold any corrosive chemical products. Using dirty water can reduce the lifespan of the device.



The pressure cleaner can be used for a variety of applications including washing cars, boats, patios, decks, garages etc. where high pressure is necessary to remove dirt and debris. High-pressure water flow can damage the work surface if not used properly! See the section titled "Operating Instructions" for more details. Always test the spray in an open area first.

- NEVER move the unit by pulling on the high pressure hose. Use the handle provided on the top of the unit.
- Always hold the high-pressure gun and nozzle with both hands. Use one hand to hold the gun/trigger and the other to support the nozzle (see diagram).
- When dispensing detergent, the pressure cleaner applies detergent to the cleaning area at low pressure only. Once the detergent has been applied, rinse it off the work area by using the adjustable nozzle.



MAIN OVERVIEW

4

- 1. Trigger gun
- 2. lance
- 3. Accessory hook
- 4. Manual
- 5. Brush holder
- 6. Screws package
- 7. Gun holder
- 8. Water intlet pipe
- 9. Power cord
- 10. ON/OFF switch
- 11. Power cable hook
- 12. Hose reel handle
- 13. Cleaning pin
- 14. Water inlet connector

# ACCESSORIES IN THE SET

- 15. 8m steel armed hose
- 16. 400 ml foam generator
- 17. Turbo lance
- 18. Spray lance







The manufacturer reserves the right to make changes and/or improvements to the design, components, and technical attributes without notice or obligation. The pictures in this manual are schematical and may not match the parameters of original product.

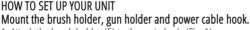
# **SPECIFICATIONS**



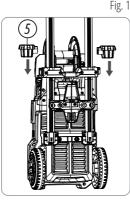
Model	KS PW160V-BL
Rated voltage	230V
Frequency	50 Hz
Motor power	2000 W
Engine type	brushless motor
Max/Rated pressure	160/110 Bar
Flow rate	6,5 l/min
Hose length	8 m
Gross dimensions (L×W×H)	380×380×710 mm
Gross/Net weight	18,5/16,0 kg
Protection rating	IPX5

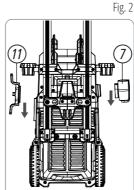
# ASSEMBLY INSTRUCTIONS

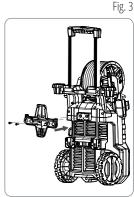
6



- 1. Attach the brush holder (5) to the main body (Fig. 1).
- 2. Attach the gun holder (7) to the main body (Fig. 2).
- 3. Attach the electrical cable hook (11) to the main body (Fig. 2).
- 4. Screw the accessory hook to the main unit (2 screws, fig. 3).











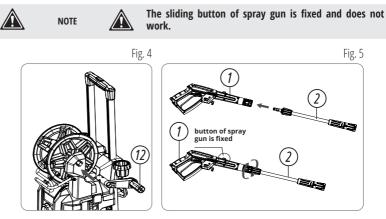


# Mounting of hose reel handle.

NOTE

1. Install hose reel handle (12) to hose reel with a "click" (fig. 4).

2. Insert the lance into the trigger gun (fig. 5). Push and turn the lance (2) clockwise onto the trigger gun (1) until hand tight to lock it in place. When the pieces are joined properly, you cannot separate the two components by pulling straight out on the lance. All attachments must be inserted into the gun for proper use.



# Attach the garden hose.

Remove the plastic plug from the water inlet pipe of the machine and screw the water inlet connector onto the water inlet pipe (fig. 6), then connect one end of the home garden hose (not supplied) to the water inlet connector and another end to water source (fig. 7).

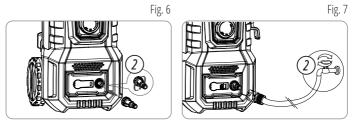


The appliance is INTENDED to be used at a temperature above 0 degree.





The garden hose should be free of damage or leaks, its internal diameter must be no less than 1/2" inch, and its length should not exceed 8 meters.



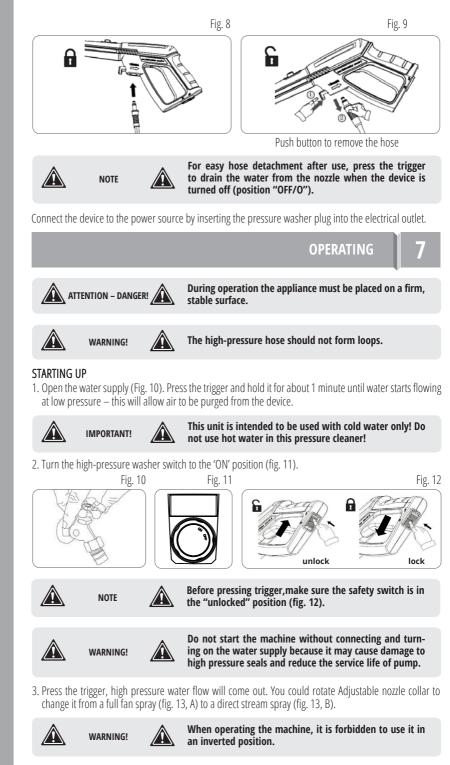
Unwind the high pressure hose completely and attach the other end of the high pressure hose to the gun (fig. 8).

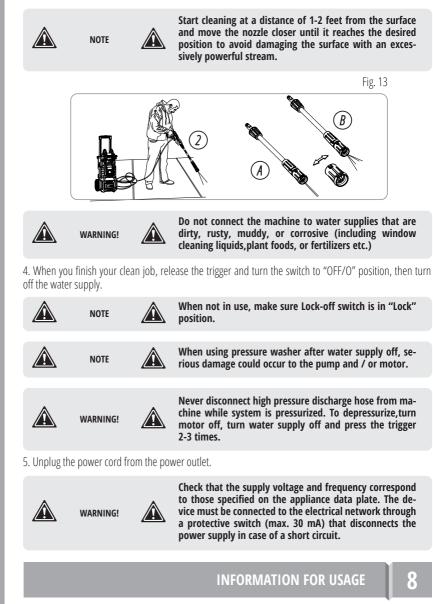




NOTE

After the high pressure hose is connected, check the connection by gently pulling on the hose to ensure it stays connected. Push the lock button and pull to detach the high pressure hose (fig. 9).





### SAFETY VALVE AND/OR PRESSURE LIMITING VALVE



Do not tamper with or adjust the safety valve setting.

The safety valve also functions as a pressure limiting valve. When the gun trigger is released, the valve opens, the pressure switch activates, and the machine automatically shuts down. If the gun nozzle is blocked, it will cause the machine pressure to rise. The safety valve opens, the pressure switch activates, and the machine automatically shuts down. In this case, you can use a needle to clean the nozzle, as described below.

### AUTOMATIC ON/OFF

The pressure cleaner is equipped with an automatic on/off switch. It will only operate when the power

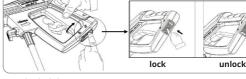
switch is in the ON position and the trigger on the gun is pressed. When you release the trigger to stop spraying water through the gun, the motor on the pressure cleaner will automatically shut off. To resume operation, simply press the trigger again. To fully turn off the unit, release the trigger and switch the device to the OFF position. The unit should be completely turned off when not in use or when left unattended.

#### RELEASING AIR FROM THE GUN

It is very important to release air from the gun before using the pressure washer. Refer to the "Assembly Instructions" for proper assembly of the unit. To release air, simply connect the garden hose to the pressure washer and press the trigger BEFORE turning on the power supply. This will enable any air trapped inside the pressure washer and gun to be released before use. Continue holding the trigger for approximately one minute to ensure all excess air is removed. Water will flow through the gun at low pressure during this process. For more tips on releasing air, refer to the "Operating Instructions" section.

#### THE SAFETY BUTTON OF GUN

The operator needs to press the unlock button (fig. 14) and then press the trigger to start spraying. When the trigger is released, it can automatically return to the off position. When



not using the pressure cleaner, press the lock button to keep from accidentally engaging the high pressure spray.

### HOLD THE GUN

Whenever you use the high pressure washer, we recommend holding the gun properly, with one hand on the handle and the other on the adjustable spray nozzle.

- 1. Insert the adjustable nozzle into the spray gun and push it forward into low pressure mode (fig. 15).
- 2. Press the trigger, and detergent will flow through the adjustable nozzle.
- 3. Apply detergent so it completely covers cleaning surface.
- Let the detergent remain on the surface for few minutes, this is a good time to use a brush to lightly scrub heavily soiled areas.
- 5. Set the adjustable nozzle into high pressure mode for cleaning.

#### USE THE HOSE REEL

To unwind the hose, turn hose reel handle clockwise, to wind the hose, turn hose reel handle counter clockwise (fig. 16).

#### TELESCOPIC HANDLE

The machine features a telescopic handle. To raise or lower the handle, press the button and move the handle upwards or downwards (fig. 17). When a click is heard, the handle is in right position.

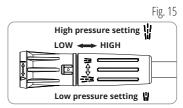
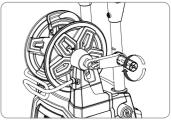
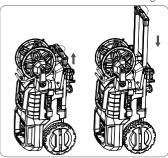




Fig. 14







Any maintenance operations not covered by this chapter should be carried out by an authorized sales and service centre.



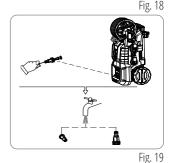
Always disconnect the plug from the power socket before carrying out any work on the appliance.

### 1. Cleaning of water inlet filter (fig. 18)

The water filter was installed inside the water inlet connector, should be cleaned periodically. Rinse it with clean tap water, and then place it back into the water inlet connector.

#### 2. Cleaning the nozzle (fig. 19)

Using the nozzle tip cleaner provided (or an unfold paper clip), insert the wire into the nozzle hole and move back and forth until debris is dislodged. Then, backflush water through the nozzle using a garden hose and the highest pressure available (either using the standard water nozzle or by covering the nozzle with your thumb to create pressure for the backflush).

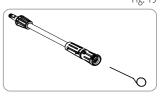


#### 3. Cleaning of machine vents

The machine should be kept clean to let cooling air pass freely through the machine vents.

#### 4. Greasing of couplings

To ensure easy connection and prevent the sealing rings (O-rings) from drying out, the connections should be regularly lubricated.





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RADITIONELLE DEUTSCHE OUALITÄ

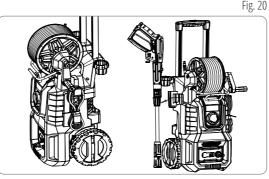
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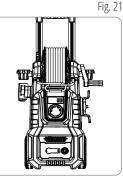


# The machine should be stored in a frost-free area with a temperature above 0 °C (32 °F).

Pump, hose and accessories should always be emptied of water prior to storing as follows:

- 1. Stop the machine (turn the ON/OFF switch to position "OFF/O") and detach water hose and accessory.
- Restart the machine and activate the trigger. Let the machine run until no more water runs through the spray handle.
- 3. Stop the machine and unplug, coil up the power cord and place it on the power cable hook.
- 4. Place gun and lance on the gun holder (Fig. 20).
- 5. For machines without a hose reel: hang the high pressure hose on the short handle (Fig. 21); For machines with a hose reel: coil the high pressure hose on the hose reel.







#### Risk of electric shook.

Turn off the appliance and remove the main plug prior to performing any care and maintenance work. Repairs and maintenance of electrical components can only be carried out by an authorized service center. Minor malfunctions can be fixed independently using the list of possible issues. If you have any doubts, contact an authorized service center.

Check	Possible causes	Corrective action
Machine refuses to start	Machine not plugged in.	Plug in machine.
	Defective socket.	Try another socket.
	Defective extension cord.	Switch off other machines. Try without the extension cord.
Fluctuating pressure	Pump sucking air.	Check that hoses and connections are airtight.
	Valves are dirty, worn out or stuck.	Clean and replace or refer to local distributor.
	Pump seals worn out.	Clean and replace or refer to local distributor.
Machine stops	Fuse has blown	Replace fuse.Switch off other machines.
	Incorrect mains voltage.	Check that the mains voltage corresponds to specification on the model tag.
	Thermal sensor activated.	Leave the washer for 5 minutes to cool down.
	Nozzle partially blocked.	Clean the nozzle.
Fuse blows	Fuse too small.	Replace it with a device that has a higher current rating than the consumption of the machine. You may try without the extension cable.
Machine pulsating	Air in inlet hose.	Let the machine run with open trigger until regular working pressure resumes.
	Inadequate supply of mains water.	Check that the water supply corresponds to specifications required
	Nozzle partially blocked.	NB! Avoid using long, thin hoses (min. 1/2").
	Water filter blocked.	Clean the nozzle/Clean the filter
	Hose kinked.	Straighten out hose.
Machine often starts and stops by itself	Spray handle is leaking.	Contact your nearest service centre. Replace seat/ball/o-ring in the valve of the spray handle.
Machine starts, but no water comes out	Pump/hoses or accessory frozen.	Wait for pump/hoses or accessory to thaw.
	No water supply.	Connect inlet water.
	Water filter blocked/Nozzle blocked.	Clean the filter/Clean the nozzle

# WARRANTY SERVICE TERMS

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The international manufacturer warranty is 1 year. The warranty period starts from the date of purchase. In cases when warranty period is longer than 1 year according to local legislation please contact your local dealer. The Seller which sells the product is responsible for providing the warranty. Please contact the Seller for warranty. Within the warranty period, if the product fails because of defects in the production process, it will be exchanged for the same product or repaired.

All faults caused by the manufacturer during the warranty period will be eliminated free of charge. Warranty repair is carried out only if you have a fully completed warranty card, the Buyer's signature of acceptance of the warranty terms, as well as a document supporting the purchase (cash receipt, sales slip or invoice). In the absence thereof, as well as in the event of errors or corrections not authenticated by the seller's seal or illegible inscriptions in the warranty card or tear-off coupon, no warranty repair is carried out, no objections to quality are accepted and the warranty card is withdrawn by the service center as invalid. The device is accepted for repair clean and fully equipped.



# **EG-KONFORMITÄTSERKLÄRUNG**

Nr. 227

Folgende Produkte wurden von uns mit den gelisteten Normen geprüft und entsprechen der Maschinenrichtlinie 2006/42/EU, Richtlinie 2014/30/EU über die elektromagnetische Verträglichkeit, Lärmrichtlinie 2000/14/EU.

Hersteller:	DIMAX INTERNATIONAL GmbH
Adresse:	Flinger Broich 203, 40235 Düsseldorf, Deutschland
Produkt:	Hochdruckreiniger "Könner & Söhnen"
Typ / Modell:	KS PW160V-BL

Die Erklärung basiert auf einer einzigen Bewertung einer Probe der vorgenannten Produkte. Sie beinhaltet keine Bewertung der gesamten Produktion und erlaubt nicht die Verwendung des Testlaborlogos. Der Hersteller sollte sicherstellen, dass alle Produkte in der Serienproduktion mit der in diesem Bericht aufgeführten Produktprobe übereinstimmen. Der zuständigen Behörde sollte der Antragsteller den gesamten technischen Bericht zur Verfügung stellen.

Angewandte	e EU-
Verordnung	en und
Richtlinien:	

Maschinenrichtlinie 2006/42/EU EMV-Richtlinie 2014/30/EU Lärmrichtlinie 2000/14/EU

Angewandte standards: EN IEC 55014-1:2021

EN IEC 55014-1:2021 EN IEC 55014-2:2021 EN IEC 61000-3-2:2019/A2:2024 EN IEC 61000-3-11:2019 EN 60335-1:2012/A16:2023 EN 60335-2-79:2012 EN 62233:2008

#### 2000/14/EG\_2005/88/EG Annex VI

Für das Modell: KS PW160V-BL Lärm: garantiert Lwa= 85 dB (A).



Ausstellungsdatum: Ausstellungsort: Geschäftsführer:

2025-04-08 Düsseldorf Fomin P.

International GmbH Flinger Broich 203 40235 Düsseldorf USt-ID DE296177274 koenner-soehnen.com PFomin

DIMAX

Wir, DIMAX INTERNATIONAL GmbH, erklären hiermit, dass das Vorstehende den Richtlinien des Europäischen Parlaments und des Rates, der Maschinenrichtlinie 2006/42/EU vom 17 Mai 2006, Richtlinie 2014/30/EU über die elektromagnetische Verträglichkeit vom 26 Februar 2014, Lärmrichtlinie 2000/14/EG vom 8 Mai 2000 entspricht. Das obenstehende CE-Kennzeichen darf unter der Verantwortung des Herstellers verwendet werden. Nach Abschluss einer Konformitätserklärung und Einhaltung aller relevanten EG-Richtlinien.



# **CONTACTS**

Deutschland: Hergestellt unter Lizenz und Kontrolle der DIMAX International GmbH.

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innovationtrade8@gmail.cor www.konner-sohnen.com

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www.konner-sohnen.com/fr

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Dussetuoti, Alemania. Importador y representante en España de DIMAX International Poland Ltd, Południowa 8 st, 05-830 Stara Wieś, Polonia. Ensamblado en la República Popular china.innovationtrade8@gmail.com www.konner-sohnen.com/es

POEKa: Wyprodukowano na licencji i pod kontrolą DIMAX International GmbH,Flinger Broich 203, 40235 Duesseldorf, Niemcy.

www.konner-sohnen.com/pl

#### Україна:

виготовлено за ліцензією та під контролем DIMAX International GmbH,Flinger Broich 203, 40235 Дюссельдорф, Німеччина.

www.konner-sohnen.com/ua