

# Operating instructions

Original language: German

**Product group: Telescopic lances**

**Item-#: 7100869XX**



*The choice of perfection*






Vers. October 25

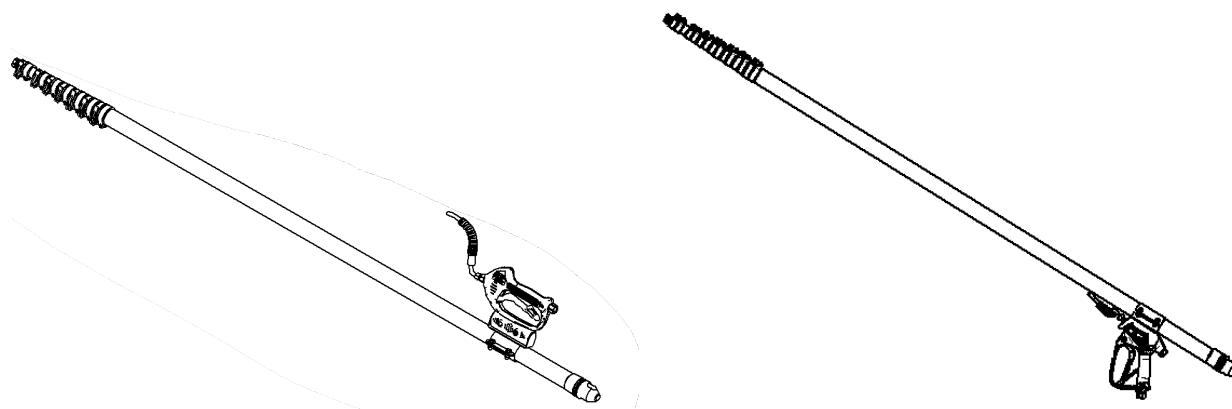
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## Technical data

Item-#	710 086 900	710 086 905
Maximum permissible pressure	275 bar / 27,5 MPa	300 bar / 30 MPa
Maximum flow-rate	45.0 l/min / 12 GPM	45.0 l/min / 12 GPM
Water temperature permanently	max. 100°C / 212°F	max. 100°C / 212°F
Ambient temperature	max. 60°C / 140°F	max. 60°C / 140°F
Inlet	G 3/8"-f	G 3/8"-f swivel
Weight	6,29 KG	6,44 KG
Dimensions: Length	2 m to 11,6 m	2 m to 11,6 m
Max. solid size	50µm	50µm

Abbreviations and symbols	
f ; m	female thread; male thread
G	Whitworth pipe thread according to DIN ISO 228, identical to BSP = British Standard Pipe
kg	Kilogramm

  	The product's technical limitations can be found on the nameplate or datasheet. Users must wear appropriate protective clothing, such as gloves, shoes, and safety glasses, when using the product. Always observe the currently applicable local safety regulations.
 	Read these operating instructions thoroughly before using the device! Keep these operating instructions carefully for future reference or for subsequent owners! These operating instructions were prepared with the utmost care. However, SUTTNER GmbH cannot accept any liability for any errors in these operating instructions and their consequences!



# Description

## Carbon telescopic pole

The carbon telescopic pole, in combination with a high-pressure cleaner and appropriate accessories, generates a high-pressure jet for cleaning hard-to-reach areas.

## Intended Use

Operate the carbon telescopic lance only within the specified pressure and temperature range. See technical data. Check the settings on the pressure washer before each use and adjust them if necessary. The carbon telescopic lance is designed for cleaning hard-to-reach machinery, vehicles, buildings, and facades. The carbon telescopic lance is designed for use with a pressure washer. Use the carbon telescopic lance only with approved accessories and spare parts. The carbon telescopic lance is intended for use with pressurized liquids using pressure washers. All safety regulations and standards for pressure washers, such as DIN EN 60335-79-2 and DIN EN 1829-1, apply. The carbon telescopic lance is approved exclusively for use with fluids of Group II according to Directive 2014/68/EU, or water.



### **The handling of flammable, explosive, corrosive or toxic substances is prohibited!**

The carbon fiber telescopic lance may only be used if it is in perfect working order, structurally unaltered, and used as intended, in a safe and hazard-conscious manner, and in accordance with these operating instructions. Only adults who have been instructed in the use of pressure washers and blasting equipment may use the carbon fiber telescopic lance. To prevent damage, install a fine filter with a recommended mesh size of 50 µm in the water supply to the pressure washer. Additionally, observe the operating instructions for the devices and accessories connected to the carbon fiber telescopic lance.

## For your safety

This product complies with the state of the art and recognized safety standards. However, due to the high pressures and temperatures, there is still a risk of property damage and injury to users and others. Please be sure to observe these operating instructions and the relevant regulations for liquid jet sprayers.

The carbon telescopic lance may only be used by trained personnel or persons instructed by trained personnel.

Persons with impaired sensory or mental abilities, as well as those with limited mobility, are prohibited from using the carbon telescopic lance.

Work breaks – to ensure safe operation of the carbon telescopic lance, we recommend taking regular breaks.

When working with the carbon telescopic lance, the work area must be clearly cordoned off. The cord should extend at least the full length of the extended carbon telescopic lance, including any accessories used.

Regarding personal protective equipment, see the accident prevention regulations (UVV) "Personal Protective Equipment" (VBG101) (currently a draft). Personal protective equipment includes, for example, protective suits, head protection, non-slip gloves and boots, metatarsal protection, respiratory protection, hearing protection, and eye or face protection.

Do not use the device if people without protective clothing are within reach.



### **Risk of injury due to pressure!**

- Do not point the nozzle at living beings.
- Do not spray objects containing hazardous substances (e.g., asbestos), live electrical components, or that are fragile!
- Keep a safe distance from high-voltage power lines.
- When using this product to clean photovoltaic systems, ensure the entire system is in perfect working order. Any defects in the system (live electrical components) pose a risk of electric shock.
- Do not work during severe weather or thunderstorms (risk of electric shock).
- The water jet exiting the high-pressure nozzle creates a recoil force on the hand-held spray gun. Therefore, use a safety harness and ensure a secure stance while working.
- Inspect the cleaning area beforehand.
- Vehicle tires/tire valves can be damaged and burst by the high-pressure jet. The first sign of this is discoloration of the tire. Damaged vehicle tires/tire valves are life-threatening. Maintain a minimum distance of 30 cm between the jet and the cleaning nozzle!
- Failure to follow these instructions may result in personal injury, death, and property damage!



### **Risk of injury from splashing fluid!**

- Before starting work, check the high-pressure system (spray nozzle, hoses, fittings, etc.) for leaks and damage.
- Stop operation immediately if leaks or malfunctions occur.
- Do not point the nozzle at yourself or other living beings, not even to clean clothing or shoes.
- Never reach into the escaping high-pressure jet or the rotating accessories.



### **Risk of falling due to the escaping jet of water**

- Slippery floors pose a risk of slipping.
- Check the floor surface before starting work.
- Check the work area for unevenness. The work area must be easily accessible.
- Do not work on scaffolding or roofs without first securing yourself against falls.
- Do not use carbon telescopic booms on ladders.



### **Risk of burns and scalds from hot liquids!**

When working with operating fluids and auxiliary materials whose temperature exceeds 45°C, do not touch any uninsulated parts.  
Wear protective gloves!

## **Assembly**



### **Risk of injury!**

If the high-pressure system was used with hot water, allow the unit to cool down to below 45°C before beginning any assembly or maintenance work due to the risk of scalding or burns! - Switch off the high-pressure generator before carrying out any assembly work on the high-pressure system. Secure the high-pressure generator against accidental activation. Turn off the water supply. Seal threaded connections according to your application with a suitable sealant such as Teflon tape or a liquid sealant (see R+M catalog, chapter 6, Adhesives and Sealants).



## **General safety instructions**

The warranty is void if damage is caused by failure to follow these operating instructions. We accept no liability for consequential damages.

- Please observe the safety instructions for your pressure washer.
- We accept no liability for damage to property or personal injury caused by improper handling or failure to observe the safety instructions. In such cases, any warranty claim is void.
- For safety and regulatory reasons, unauthorized modification and/or alteration of the carbon fiber telescopic nozzle is prohibited.
- Ensure the device is put into operation correctly. Refer to these operating instructions.
- In commercial settings, the accident prevention regulations of the German Social Accident Insurance (DGUV) for pressure washers and equipment must be observed.
- Keep devices out of the reach of children.

## **Modification**

Modifications of any kind to the carbon telescopic pole are not permitted!

## **Transport and storage.**

Ensure that the carbon telescopic pole is cleaned, protected from dirt, and transported and stored in a frost-free environment.

## **Clean**

Do not clean the carbon telescopic pole directly with a high-pressure jet, but wipe it with a cloth or sponge and tap water. Use a commercially available cleaning agent.

## Operation

Before each use of the carbon fiber telescopic lance, inspect it for damage and check the functionality of the clamps. Replace any defective components immediately. Before starting work, check the settings on the high-pressure generator and adjust them if necessary.

Always operate the carbon fiber telescopic lance with two people.

Only operate the carbon fiber telescopic lance within the specified pressure and temperature range and with a maximum accessory weight of 10 kg.

- Do not use the accessory if leaks are visible.
- Immediately stop using the accessory if any malfunctions occur.
- Never block the trigger of the spray gun or prevent it from closing in any way.

When the trigger of the spray gun is pulled, water or a water-cleaning agent mixture is expelled from the nozzle.

The expelled water jet from the high-pressure nozzle creates a recoil force on the spray gun. Therefore, use a safety strap at work to ensure your safety and maintain a secure stance.

When lifting the carbon fiber telescopic lance, pay attention to your posture to avoid strain or injury to your back.

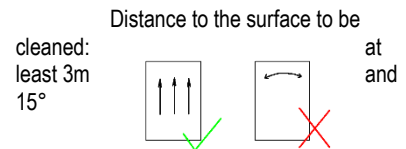
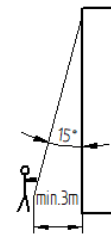
To ensure safe operation of the carbon fiber telescopic lance, we recommend taking regular breaks.

The type of surface to be cleaned must be taken into account when selecting the temperature, pressure, and cleaning agent.

The carbon fiber telescopic lance has extendable segments that provide a working length of up to 11.6 meters.

When extending the individual segments, ensure that the red markings at the end of each segment are not visible.

The lance should only be moved vertically to prevent it from slipping sideways.



## Maintenance



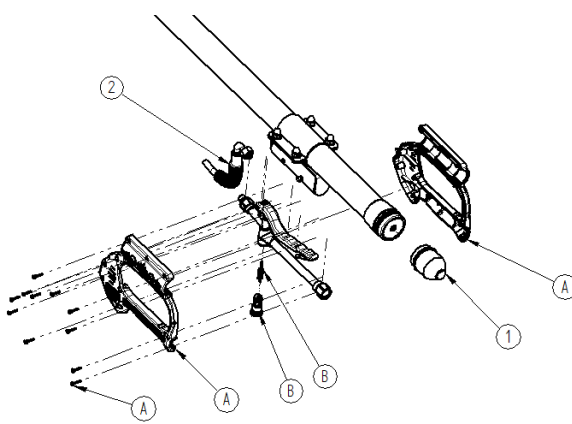
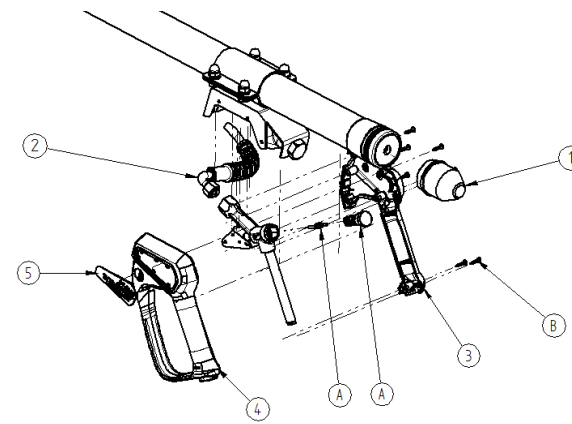
Installation, maintenance, and repair work may only be carried out by persons trained in the maintenance and repair of water pressure boosting systems. Use only approved spare parts. Use only high-pressure components (hoses, couplings, etc.) that are approved for the relevant pressure and temperature range.

## Disposal



**Please dispose of old devices in an environmentally friendly manner.**

Old appliances contain valuable recyclable materials that should be recycled. Please dispose of old appliances at appropriate collection points.

Spare Parts 710086900			Spare Parts 710086905		
					
Pos.	Item-#	Description	Pos.	Artikelnummer	Benennung
1	020001993	Side hose inlet	1	020001993	Side hose inlet
2	3900538139	Hose flexy 06 SW 13 M	2	3900538139	Hose flexy 06 SW 13 M
A	710086320	Repair kit "half shells and screws"	3	020008620	Half shell ST-2600 black
B	202000044	Repair kit valve set	4	020008615	Half-shell with trigger goard ST-2600 black
			5	020008619	Label ST-2600 red
			A	202300490	Rep.-Kit ST-2300/2600
			B	900035161	Rep.-Kit Screws