

## Kränzle 135303

# Kränzle 135303 Foam Injector User Manual

Model: 135303

## INTRODUCTION

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Kränzle 135303 Foam Injector. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury.

The Kränzle 135303 Foam Injector is designed for generating and applying foam with a pressure washer, suitable for various cleaning tasks. It features a 1-liter tank and a D 12 plug-in system for easy connection.

## SAFETY INSTRUCTIONS

Always observe the following safety precautions when using the foam injector:

- **Read all instructions:** Before operating the foam injector, read and understand all instructions provided in this manual and your pressure washer's manual.
- **Wear protective gear:** Always wear appropriate personal protective equipment (PPE), including eye protection, gloves, and suitable clothing, to protect against chemical splashes and high-pressure spray.
- **Chemical compatibility:** Ensure that any cleaning agents or chemicals used with the foam injector are compatible with the materials of the injector and your pressure washer. Use only recommended, non-corrosive, and biodegradable detergents.
- **Ventilation:** Use in a well-ventilated area, especially when using strong cleaning solutions.
- **Pressure limits:** Do not exceed the maximum operating pressure of 130 bar (1885 psi) for this foam injector. Exceeding this limit can cause damage to the unit or injury.
- **Secure connections:** Ensure all connections are secure before operating to prevent leaks and accidental disconnections under pressure.
- **Keep clear of spray:** Never direct the foam spray at people, animals, or electrical equipment.
- **Children and pets:** Keep children and pets away from the work area during operation.

- **Storage:** Store the foam injector in a cool, dry place, away from direct sunlight and freezing temperatures.

## COMPONENTS

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The Kränzle 135303 Foam Injector consists of the following main components:

- **Foam Nozzle:** Adjustable nozzle for controlling foam thickness and spray pattern.
- **Injector Body:** The main assembly connecting the nozzle to the tank and pressure washer.
- **1-Liter Tank:** Transparent container for holding cleaning solution.
- **D 12 Plug-in System Connector:** For quick and secure attachment to compatible Kränzle pressure washers.



**Figure 1:** Kränzle 135303 Foam Injector. This image shows the complete foam injector unit, including the translucent 1-liter tank, the black injector body with the Kränzle logo, and the grey adjustable foam nozzle at one end, and the brass D 12 plug-in connector at the other end. The tank has measurement markings on its side.

## SETUP

- 1. Prepare Cleaning Solution:** Fill the 1-liter tank with your desired cleaning solution. Follow the detergent manufacturer's instructions for dilution ratios. Do not overfill.

2. **Attach Tank:** Securely screw the tank onto the foam injector body. Ensure it is tightened to prevent leaks.
3. **Connect to Pressure Washer:** Attach the D 12 plug-in connector of the foam injector to the quick-connect fitting on your Kränzle pressure washer lance or gun. Ensure it clicks securely into place.
4. **Adjust Nozzle:** Rotate the grey foam nozzle to adjust the spray pattern (from a wide fan to a concentrated stream) and the foam thickness.

## OPERATING INSTRUCTIONS

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1. **Start Pressure Washer:** Turn on your pressure washer according to its operating instructions.
2. **Apply Foam:** Aim the foam injector at the surface to be cleaned. Squeeze the trigger on your pressure washer gun to begin applying foam. Move the injector steadily to ensure even coverage.
3. **Allow Dwell Time:** Allow the foam to dwell on the surface for the recommended time as per the cleaning solution manufacturer's instructions. This allows the foam to break down dirt and grime.
4. **Rinse:** After the dwell time, detach the foam injector and reattach a rinsing nozzle to your pressure washer. Rinse the foamed surface thoroughly with clean water, working from top to bottom.
5. **Shut Down:** Turn off your pressure washer and relieve any remaining pressure in the system.

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your foam injector:

- **Rinse After Each Use:** After each use, empty any remaining cleaning solution from the tank. Fill the tank with clean water and run the foam injector with clean water for a few minutes to flush out any chemical residue from the internal components. This prevents clogging and corrosion.
- **Clean Tank:** Periodically clean the inside of the 1-liter tank with warm, soapy water to remove any buildup. Rinse thoroughly.
- **Check Connections:** Regularly inspect all connections for wear, damage, or leaks. Replace worn O-rings or seals as necessary.
- **Store Properly:** Store the foam injector in a clean, dry, and frost-free environment. Do not store with cleaning solutions inside the tank for extended periods.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No foam or very thin foam	<ul style="list-style-type: none"> <li>• Insufficient detergent concentration</li> <li>• Clogged foam nozzle or internal components</li> <li>• Air leak in the system</li> <li>• Pressure washer not providing enough pressure</li> </ul>	<ul style="list-style-type: none"> <li>• Increase detergent concentration as per manufacturer's instructions.</li> <li>• Flush the injector with clean water. Disassemble and clean if necessary.</li> <li>• Check all connections for tightness.</li> <li>• Ensure pressure washer is operating correctly and providing adequate pressure (min 80 bar).</li> </ul>
Leaks from connections	<ul style="list-style-type: none"> <li>• Loose connections</li> <li>• Worn or damaged O-rings/seals</li> </ul>	<ul style="list-style-type: none"> <li>• Tighten all connections securely.</li> <li>• Inspect and replace any worn or damaged O-rings or seals.</li> </ul>
Foam injector not attaching securely	<ul style="list-style-type: none"> <li>• Incorrect connector type</li> <li>• Damaged quick-connect fitting</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure your pressure washer has a compatible D 12 plug-in system.</li> <li>• Inspect the quick-connect fitting on your pressure washer lance/gun for damage.</li> </ul>

## SPECIFICATIONS

<b>Model Number</b>	135303
<b>Brand</b>	Kränzle
<b>Tank Volume</b>	1 Liter
<b>Connection System</b>	D 12 Plug-in System
<b>Maximum Operating Pressure</b>	130 Bar (1885 psi)
<b>Flow Rate</b>	10 Liters per minute
<b>Color</b>	Yellow
<b>Power Source</b>	Manual Operation (via pressure washer)
<b>Certifications</b>	CE, CSA
<b>Package Dimensions</b>	27.2 x 17.8 x 13.4 cm
<b>Weight</b>	700 grams

## WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or spare parts, please contact Kränzle customer service or visit the official Kränzle website. Keep your purchase receipt as proof of purchase.

**Kränzle Official Website:** [www.kraenzle.com](http://www.kraenzle.com)

**Contact Information:** Refer to the Kränzle website for regional contact details.

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## Related Documents - 135303

 <p>Original-Ersatzteilliste Spare parts list K 1050 TS K 1050 TST</p>	<p><a href="#">Kränzle K 1050 TS / K 1050 TST Spare Parts List and Technical Data</a></p> <p>Comprehensive spare parts list and technical specifications for Kränzle K 1050 TS and K 1050 TST high-pressure washers. Includes diagrams, part numbers, and technical data for easy identification and ordering.</p>
 <p>Operating manual with spare parts list High pressure cleaner K 1322 TS</p>	<p><a href="#">Kränzle K 1322 TS High-Pressure Cleaner Operating Manual</a></p> <p>Comprehensive operating manual for the Kränzle K 1322 TS high-pressure cleaner, covering safety instructions, product description, general rules, functional details, operation, maintenance, troubleshooting, accessories, technical data, and spare parts.</p>
 <p>Original-Ersatzteilliste Spare parts list therm 640</p>	<p><a href="#">Kränzle therm 640 Spare Parts List and Technical Data</a></p> <p>Comprehensive spare parts list and technical specifications for the Kränzle therm 640 high-pressure cleaner, featuring detailed diagrams and component breakdowns for maintenance and repair.</p>
 <p>Original-Betriebsanleitung Hochdruckreiniger Quickly</p>	<p><a href="#">Kränzle Quickly Hochdruckreiniger: Original Betriebsanleitung</a></p> <p>Offizielle Betriebsanleitung für den Kränzle Quickly Hochdruckreiniger. Enthält detaillierte Informationen zu Sicherheit, Bedienung, Wartung, Fehlerbehebung und Zubehör.</p>



[Kränzle K 1152 TS / K 1152 TST High-Pressure Cleaner Operating Manual](#)

Comprehensive operating manual for the Kränzle K 1152 TS and K 1152 TST high-pressure cleaners. Covers safety instructions, product description, general rules, functional details, operation, maintenance, and troubleshooting.



[Kränzle Primus 1000 TST & 1200 TST High-Pressure Cleaner Operating Manual](#)

Comprehensive operating manual for the Kränzle Primus 1000 TST and Primus 1200 TST high-pressure cleaners. Includes safety instructions, functional details, operation, maintenance, and troubleshooting.