

Vikan 53603

Vikan 53603 Tube Brush Instruction Manual

Model: 53603

1. PRODUCT OVERVIEW

The Vikan 53603 Tube Brush is a specialized cleaning tool designed for thorough cleaning of pipes and tubes in various industrial and commercial environments. Its robust construction and effective bristle design make it suitable for demanding applications such as those found in dairies, breweries, and the fishing industry.

This brush is engineered to comply with UK 2019 No. 704 regulations for food contact materials, ensuring it meets stringent hygiene standards. Its design also facilitates easy cleaning and drying, contributing to overall sanitation.

Key Features:

- **Versatile Cleaning:** Ideal for pipes, tubes, bottles, conveyor belts, and machine parts.
- **Food-Safe Compliance:** Meets UK 2019 No. 704 standards for food contact materials.
- **Durable Construction:** Made with PP/PBT bristles and a stainless steel wire core for longevity.
- **Easy Maintenance:** Designed for simple cleaning and quick drying.
- **Optimal Size:** 0.6-inch diameter for effective cleaning of narrow passages.

2. SETUP

The Vikan 53603 Tube Brush is designed to be used with compatible Vikan flexible handles for extended reach and ergonomic use. This brush does not include a handle and is intended for attachment to a suitable Vikan handle (e.g., models 53515 and 53525, sold separately).

Attaching the Brush to a Handle:

1. **Select a Compatible Handle:** Ensure you are using a Vikan flexible handle designed for tube brushes.
2. **Secure Attachment:** Insert the threaded end of the brush's stainless steel wire core into the corresponding receptacle on the handle. Twist clockwise until securely fastened. Do not overtighten.

3. **Verify Stability:** Gently pull on the brush to confirm it is firmly attached to the handle before use.



Figure 1: The Vikan 53603 Tube Brush shown attached to a flexible handle, ready for insertion into a pipe. This demonstrates the secure connection point between the brush and an extension handle.

3. OPERATING INSTRUCTIONS

The Vikan 53603 Tube Brush is designed for manual cleaning of internal surfaces of pipes, tubes, and other confined spaces. Always ensure the brush is clean before use, especially in food-contact environments.

General Cleaning Procedure:

1. **Prepare the Area:** If cleaning pipes, ensure any liquid flow is stopped and the area is safe for cleaning.
2. **Apply Cleaning Solution (Optional):** For stubborn deposits, apply an appropriate cleaning solution to the pipe or the brush bristles as recommended by your facility's cleaning protocols.
3. **Insert the Brush:** Carefully insert the brush into the opening of the pipe or tube.
4. **Clean with Motion:** Use a back-and-forth or rotating motion to scrub the internal surfaces. Ensure the bristles make full contact with the pipe walls. For longer pipes, gradually push and pull the brush through the entire length.
5. **Rinse:** After scrubbing, thoroughly rinse the pipe or tube with clean water to remove loosened debris and cleaning solutions.
6. **Inspect:** Visually inspect the cleaned area to ensure all contaminants have been removed. Repeat the process if necessary.

Specific Applications:

- **Dairies & Breweries:** Effective for cleaning process pipes, valves, and fittings where hygiene is critical.
- **Fishing Industry:** Suitable for cleaning equipment and drainage systems exposed to marine environments.
- **General Industrial:** Can be used for cleaning various machine parts, conveyor belts, and small diameter tubes.



Figure 2: Demonstrating the Vikan tube brush in use, cleaning a pipe. The brush's flexible design allows it to navigate and scrub internal surfaces effectively.



Figure 3: The Vikan tube brush being used to clean a larger diameter flexible hose, highlighting its adaptability for various tube sizes and materials.

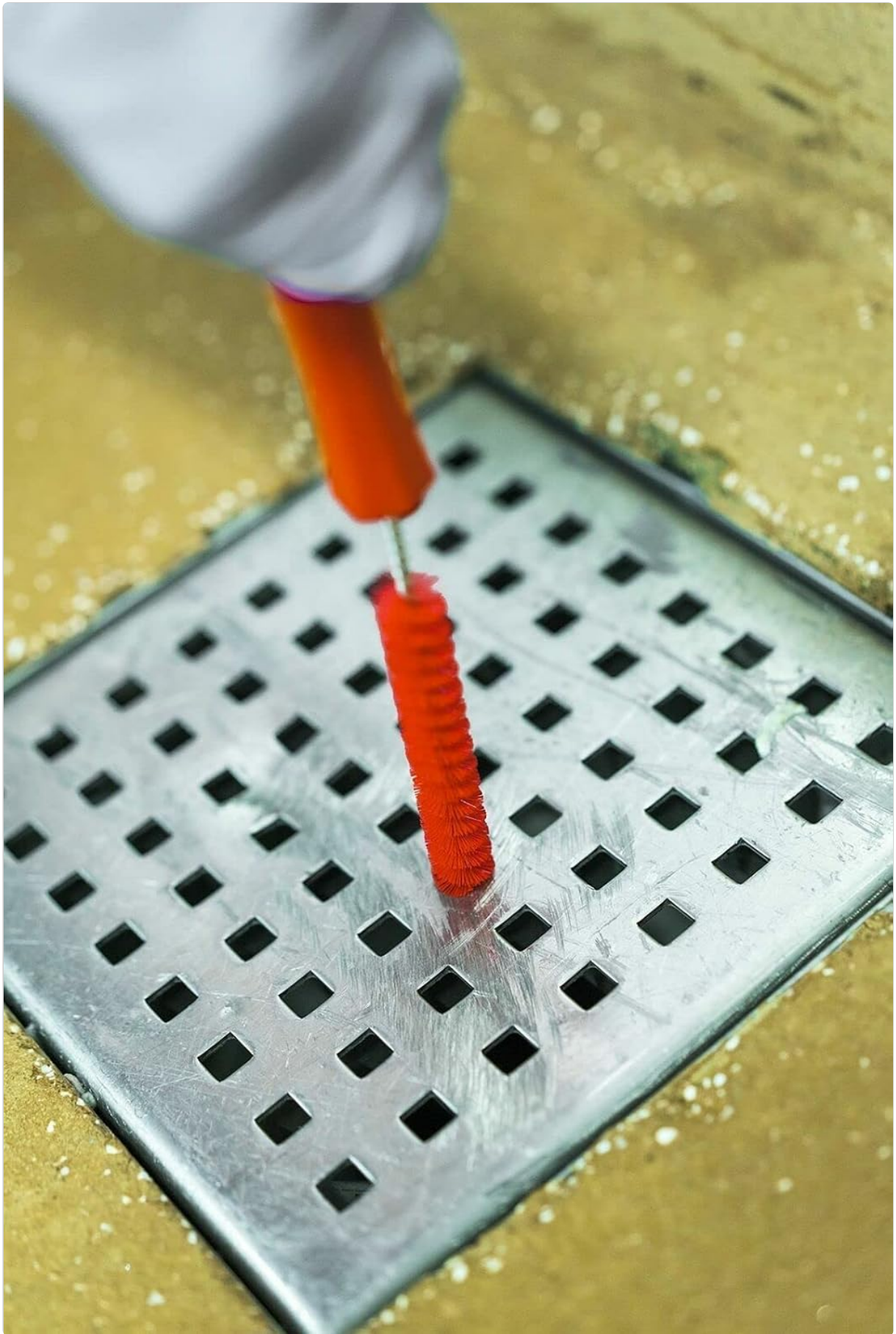


Figure 4: The Vikan tube brush effectively cleaning a drain grate, showcasing its utility beyond just pipes and tubes for hard-to-reach areas.

4. MAINTENANCE

Proper maintenance of your Vikan 53603 Tube Brush ensures its longevity and continued effectiveness,

especially in environments requiring high hygiene standards.

Cleaning the Brush:

1. **Rinse Thoroughly:** Immediately after each use, rinse the brush under running water to remove all debris and cleaning solution residues.
2. **Sanitize (Optional):** For food-contact applications, sanitize the brush using an approved sanitizing solution or by heat treatment (e.g., hot water rinse) as per your facility's hygiene protocols.
3. **Shake Off Excess Water:** Gently shake the brush to remove excess water from the bristles.
4. **Air Dry:** Hang the brush in a clean, well-ventilated area to air dry completely before storage. Ensure bristles are not compressed during drying.



Figure 5: The Vikan tube brush being rinsed under running water, demonstrating the ease of cleaning the brush itself after use.

Storage:

- Store the brush in a clean, dry place, preferably hanging to maintain bristle shape and prevent contamination.
- Avoid storing the brush in direct sunlight or near heat sources, which can degrade the plastic bristles.

Inspection:

- Regularly inspect the bristles for wear, damage, or excessive bending.
- Check the stainless steel wire core for any signs of corrosion or structural fatigue.
- Replace the brush if bristles are significantly worn, damaged, or if the wire core shows signs of compromise, as this can reduce cleaning effectiveness and potentially contaminate surfaces.

5. TROUBLESHOOTING

This section addresses common issues you might encounter while using the Vikan 53603 Tube Brush.

Problem	Possible Cause	Solution
Brush not cleaning effectively.	◦ Bristles are worn or damaged. ◦ Incorrect cleaning technique. ◦ Insufficient cleaning solution. ◦ Brush diameter too small for the pipe.	◦ Replace the brush. ◦ Ensure firm contact and thorough scrubbing motion. ◦ Use an appropriate cleaning agent. ◦ Ensure the brush diameter is suitable for the pipe being cleaned.
Bristles are falling out.	◦ Excessive force during cleaning. ◦ Brush is old or worn out. ◦ Exposure to harsh chemicals or high temperatures.	◦ Use appropriate force; avoid aggressive scrubbing. ◦ Replace the brush. ◦ Ensure cleaning solutions and temperatures are compatible with PP/PBT bristles.
Brush gets stuck in the pipe.	◦ Pipe is severely clogged. ◦ Brush diameter is too large for the pipe. ◦ Sharp bends or obstructions in the pipe.	◦ Do not force the brush. Attempt to clear the clog with other methods first. ◦ Use a brush with a smaller diameter. ◦ Exercise caution in pipes with complex geometries.

6. SPECIFICATIONS

Model Number:	53603
Brand:	Vikan
Brush Diameter:	0.6 inches (approx. 1.5 cm)
Bristle Material:	Polypropylene (PP) / Polybutylene Terephthalate (PBT)
Wire Core Material:	Stainless Steel
Product Firmness:	Hard
Color:	Multicolor (actual brush color may vary, e.g., red, green, pink, black)
Weight:	0.05 Kilograms (approx. 0.11 lbs)
Compliance:	UK 2019 No. 704 on food contact materials
Recommended Uses:	Bottle, Conveyor Belt, Kitchen, Machine, Tube cleaning

7. SAFETY INFORMATION

Always follow these safety guidelines when using the Vikan 53603 Tube Brush:

- **Personal Protective Equipment (PPE):** Wear appropriate PPE, such as gloves and eye protection, especially when using cleaning chemicals or in environments where splashes may occur.
- **Chemical Compatibility:** Ensure any cleaning solutions used are compatible with the brush materials (PP/PBT bristles, stainless steel wire) and the surfaces being cleaned.
- **Avoid Excessive Force:** Do not apply excessive force when cleaning, as this can damage the brush,

the surface being cleaned, or cause injury.

- **Inspect Before Use:** Always inspect the brush for damage or wear before each use. A damaged brush may not clean effectively and could pose a safety risk.
- **Proper Storage:** Store the brush safely to prevent accidental injury or contamination.
- **Keep Out of Reach of Children:** This is an industrial cleaning tool and should be kept away from children.

8. WARRANTY & SUPPORT

Vikan products are manufactured to high standards of quality and durability. For specific warranty information, please refer to the official Vikan website or contact your authorized Vikan distributor. If you have any questions regarding the use, maintenance, or performance of your Vikan 53603 Tube Brush, please contact Vikan customer support or your local supplier for assistance. You can find contact information on the official Vikan website: www.vikan.com