Awenta KO100-26

Awenta 4-inch (100 mm) Duct Splitter Instruction Manual

Model: KO100-26

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Awenta 4-inch (100 mm) Duct Splitter. This 3-way T-shaped connector is designed to facilitate the connection of two separate ventilation systems or appliances, such as exhaust fans or dryers, into a single duct line. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Figure 1: Awenta 4-inch (100 mm) Duct Splitter, front view. This image shows the overall T-shape of the white plastic duct connector with three openings.

2. Safety Information

Always observe basic safety precautions when installing or maintaining ventilation components.

- Ensure all power to connected appliances (e.g., exhaust fans, dryers) is turned off before beginning installation.
- Wear appropriate personal protective equipment, such as gloves and eye protection, during installation.
- Verify that the duct splitter size matches your existing ductwork (4 inches / 100 mm).
- Secure all connections properly to prevent air leaks and ensure efficient operation.
- Consult local building codes and regulations for ventilation system requirements.

3. Package Contents

- 1 x Awenta 4-inch (100 mm) Duct Splitter (Model KO100-26)

4. Specifications

Feature	Specification
Size	4 Inch (100 mm)

Feature	Specification
Material	Plastic
Color	White
Connector Type	Elbow / T-Shape
Product Dimensions (L x W x H)	4.02 x 6.81 x 5.43 inches
Item Weight	0.12 Kilograms (4.2 ounces)
Number of Pieces	1
Model Number	KO100-26

5. Setup and Installation

Follow these steps for proper installation of the duct splitter:

1. **Prepare Ductwork:** Ensure that all connecting ducts (round, straight, or flexible) are 4 inches (100 mm) in diameter and are clean and free of debris.
2. **Connect Appliances:** Identify the two machines (e.g., dryer and exhaust fan) you wish to connect to a single main duct line.
3. **Insert Ducts:** Press the chosen duct ends onto the three ports of the Awenta duct splitter. The splitter is designed for a snug fit.

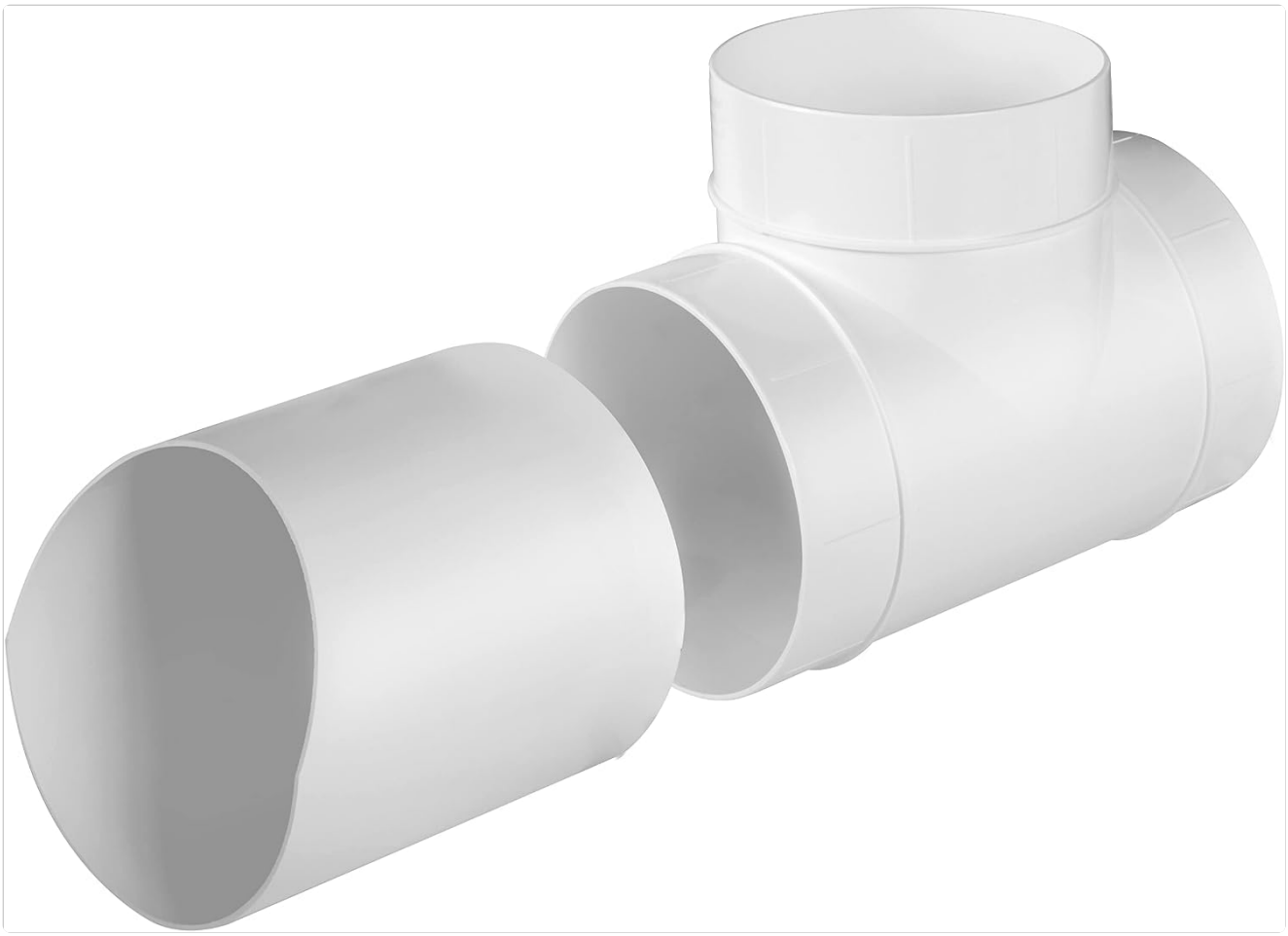


Figure 2: Illustrates a duct being inserted into one of the ports of the Awenta duct splitter, demonstrating the connection process.

4. **Secure Connections:** To ensure a secure and airtight connection, use appropriate duct tape (specifically made for ductwork) or steel clamps around each joint where the duct meets the splitter. This prevents air leakage and maintains

system efficiency.

5. **Consider Backdraft Dampers:** When connecting two separate machines, it is recommended to use backdraft dampers in the individual duct branches to prevent polluted air or exhaust from one machine from flowing back into the other or into unintended areas.

6. Operating Instructions

The Awenta Duct Splitter is a passive component designed to direct airflow. Once installed, its operation is integrated with the connected ventilation systems.

- Ensure all connections remain sealed to maintain optimal airflow and prevent energy loss.
- The smooth interior of the duct splitter is designed to minimize wind resistance and promote efficient airflow.
- Activate your connected exhaust fans or dryers as per their individual operating instructions. The splitter will distribute the airflow as intended.

Figure 3: Internal view of the Awenta duct splitter, highlighting its smooth interior surface designed to reduce airflow resistance.

7. Maintenance

The Awenta Duct Splitter requires minimal maintenance.

- **Periodic Inspection:** Periodically inspect all connections for signs of wear, loosening, or air leaks. Re-secure connections with tape or clamps if necessary.
- **Cleaning:** If dust or debris accumulates inside the splitter, disconnect the ductwork and gently clean the interior with a soft cloth or brush. Ensure the splitter is completely dry before re-connecting.
- Do not use harsh chemicals or abrasive cleaners, as these may damage the plastic material.

8. Troubleshooting

Problem	Possible Cause	Solution
Reduced airflow	Loose connections; Blockage in ductwork or splitter.	Check and secure all duct connections. Inspect ductwork and splitter for obstructions and clean if necessary.
Air leakage at connections	Inadequate sealing; Damaged duct or splitter.	Re-apply duct tape or tighten clamps. Inspect the splitter and ducts for damage; replace if compromised.
Backdraft from one appliance to another	No backdraft dampers installed.	Install backdraft dampers in the individual duct branches leading to the splitter.

9. Warranty and Support

For warranty information or technical support regarding your Awenta Duct Splitter, please refer to the retailer where the product was purchased or visit the official Awenta website. Keep your purchase receipt as proof of purchase.
Awenta Official Website: www.awenta.pl/en/ (Note: This is a general link to the brand's website, specific support pages may vary.)

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