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Metabo 628824000

Metabo SA 312 Automatic Hose Reel Instruction Manual

Model: 628824000

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Metabo SA 312 Automatic Hose Reel. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury or damage.

The Metabo SA 312 is an automatic hose reel designed for professional use, featuring a durable metal casing and a 12-meter high-flexible PU hose. It includes universal 1/4 inch quick connection couplings compatible with Euro, ARO, and ISO standards, and an automatic lock and roll-up function for convenience.



Figure 1: Metabo SA 312 Automatic Hose Reel, showing the black metal casing and blue PU hose with connectors.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to reduce the risk of injury or damage.

- **Read the Manual:** Familiarize yourself with all instructions and warnings before use.
- **Personal Protective Equipment:** Always wear appropriate eye protection, hearing protection, and other personal protective equipment as required by your work environment.
- **Air Pressure:** Ensure the air supply pressure does not exceed the maximum recommended pressure for the hose reel and connected tools.
- **Secure Mounting:** The hose reel must be securely mounted to a stable surface (wall or ceiling) using appropriate fasteners.
- **Hose Inspection:** Regularly inspect the hose for cuts, abrasions, bulges, or other damage. Replace damaged hoses immediately.
- **Connection Integrity:** Ensure all connections (hose to reel, hose to tool, air supply to reel) are tight and leak-free before operating.
- **Retraction Safety:** When retracting the hose, guide it manually to prevent uncontrolled whipping, which can cause injury or damage. Do not release the hose abruptly.
- **Children and Bystanders:** Keep children and bystanders away from the work area during operation.

- **Maintenance:** Perform maintenance only when the air supply is disconnected and the hose is depressurized.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking.

- Metabo SA 312 Automatic Hose Reel with 12m PU Hose
- Integrated 1/4 inch universal quick connection coupling and plug nipple
- Wall and ceiling mounting brackets (pre-attached or included)
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of the hose reel.

4.1 Choosing a Mounting Location

Select a sturdy wall or ceiling location capable of supporting the weight of the hose reel and the forces exerted during hose extension and retraction. Ensure the location allows for full hose extension without obstruction and provides easy access to the air supply.

4.2 Mounting the Hose Reel

1. Position the hose reel against the chosen mounting surface.
2. Mark the locations for the mounting holes using the integrated brackets as a template.
3. Drill appropriate pilot holes for your chosen fasteners (screws, bolts, anchors – not included).
4. Securely attach the hose reel to the wall or ceiling using suitable hardware. Ensure all fasteners are tightened to prevent movement.



Figure 2: Side view of the hose reel, highlighting the robust mounting bracket for secure installation.



Figure 3: Top-down view illustrating the mounting points on the hose reel for wall or ceiling attachment.

4.3 Connecting to Air Supply

Connect your compressed air supply line to the inlet fitting on the hose reel. Ensure a tight, leak-free connection. It is recommended to use thread sealant tape for optimal sealing.

5. OPERATING INSTRUCTIONS

5.1 Extending the Hose

Grasp the hose firmly and pull it out to the desired length. The automatic locking mechanism will engage at various intervals, holding the hose in place. You will hear a click as it locks.

5.2 Connecting Air Tools

The Metabo SA 312 is equipped with a 1/4 inch universal quick connection coupling. To connect an air tool, insert the tool's plug nipple into the coupling until it clicks securely into place.

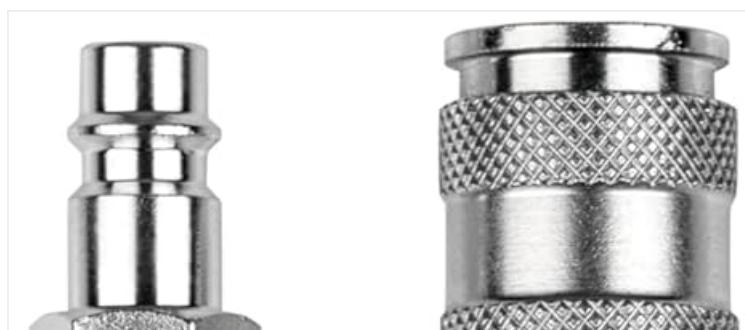




Figure 4: Detailed view of the 1/4 inch quick connection coupling and plug nipple, ready for tool attachment.

5.3 Retracting the Hose

To retract the hose, pull it out slightly further until the locking mechanism disengages. Then, slowly guide the hose back into the reel. Do not release the hose abruptly, as this can cause it to whip and potentially cause injury or damage.

5.4 Disconnecting Air Tools

To disconnect an air tool, pull back the collar on the quick connection coupling and remove the tool's plug nipple. Ensure the air supply to the tool is off before disconnecting.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Metabo SA 312 hose reel.

- **Hose Inspection:** Periodically inspect the entire length of the PU hose for any signs of wear, cuts, kinks, or damage. Replace the hose if any damage is found.
- **Connection Checks:** Ensure all air connections are tight and free of leaks. Apply thread sealant as needed.
- **Cleaning:** Keep the hose reel casing and hose clean from dirt, dust, and debris. Use a damp cloth for cleaning; avoid harsh chemicals.
- **Mounting Security:** Regularly check the mounting bolts or screws to ensure they remain tight and secure.
- **Lubrication:** The internal retraction mechanism is generally maintenance-free. Do not attempt to lubricate internal components unless specifically instructed by Metabo service personnel.

7. TROUBLESHOOTING

Refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Hose does not retract fully.	Hose is kinked or obstructed. Spring mechanism is weak or damaged.	Check for kinks or obstructions along the hose path. Ensure the hose is clean. If the spring is damaged, contact Metabo service.
Hose does not lock in place.	Locking mechanism is dirty or damaged.	Clean the locking mechanism area. If damaged, contact Metabo service.
Air leaks from connections.	Loose connections, worn seals, or damaged hose/fittings.	Tighten all connections. Inspect O-rings and seals; replace if worn. Check hose and fittings for damage.
Reduced air flow.	Kinked hose, clogged filter (if applicable), or insufficient air supply.	Check the hose for kinks. Ensure your air compressor is providing adequate pressure and flow.

8. SPECIFICATIONS

Technical data for the Metabo SA 312 Automatic Hose Reel.

Brand	Metabo
Model Number	628824000
Product Name	SA 312 Automatic Hose Reel
Material	Metal Casing
Hose Type	High-flexible PU Hose
Hose Length	12 meters
Hose Inner Diameter	8 mm (approx. 1/4 inch)
Connection Type	1/4 inch Universal Quick Connection (Euro, ARO, ISO compatible)
Operation Mode	Automatic (lock and roll-up)
Installation Type	Wall Mount, Ceiling Mount
Item Weight	8 kg (17.6 lbs)
Color	Multi-coloured (primarily black casing with blue hose)

9. WARRANTY AND SUPPORT

Metabo products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official Metabo website for detailed warranty terms and conditions specific to your region.

For technical support, spare parts, or service inquiries, please contact your local authorized Metabo dealer or Metabo customer service.

EU Spare Part Availability Duration: 2 Years

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