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- › [Mannesmann](#) /
- › [Mannesmann M00100 Single Cylinder Foot Pump User Manual](#)

Mannesmann M00100

Mannesmann M00100 Single Cylinder Foot Pump User Manual

1. INTRODUCTION AND PRODUCT OVERVIEW

Thank you for choosing the Mannesmann M00100 Single Cylinder Foot Pump. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new foot pump. This device is designed for inflating various items, including car, motorcycle, and bicycle tires, inflatable boats, air mattresses, balloons, and sports balls. It features a stable plastic foot and an integrated pressure gauge for accurate inflation.



Image 1.1: The Mannesmann M00100 Single Cylinder Foot Pump, showing its robust construction, integrated pressure gauge, and flexible hose with adapter.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before using the foot pump. Failure to follow these instructions may result in injury or damage to the product.

- Always ensure the pump is placed on a stable, flat surface before operation to prevent tipping.
- Do not exceed the maximum pressure rating of the item being inflated or the pump itself (2 Bar / 29 PSI). Over-inflation can cause serious injury or damage.
- Keep children and pets away from the pump during operation.
- Do not leave the pump unattended while in use.
- Inspect the hose and adapters for any signs of wear or damage before each use. Do not use if damaged.
- Avoid direct contact with moving parts during operation.
- Store the pump in a dry, cool place, away from direct sunlight and extreme temperatures.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking.

- Mannesmann M00100 Single Cylinder Foot Pump
- Adapter set (for various valves, including a ball needle)

4. SETUP

Follow these steps to prepare your foot pump for use:

1. **Unfold the Pump:** Carefully unfold the foot pedal and ensure the pump is stable on its plastic feet.
2. **Attach Hose:** Ensure the inflation hose is securely attached to the pump's outlet.
3. **Select Adapter:** Choose the appropriate adapter from the included set for the item you intend to inflate. For standard Schrader valves (common on cars and many bicycles), no additional adapter may be needed. For Presta valves (some bicycles) or other inflatables, attach the correct adapter to the hose nozzle.

5. OPERATING INSTRUCTIONS

To inflate an item using the Mannesmann M00100 Foot Pump:

1. **Connect to Valve:** Securely attach the hose nozzle (with the correct adapter, if needed) to the valve of the item you wish to inflate. Ensure a tight seal to prevent air leakage.
2. **Begin Pumping:** Place your foot firmly on the pedal and press down smoothly and evenly. Allow the pedal to return to its original position before pressing down again. Repeat this motion to pump air.
3. **Monitor Pressure:** Continuously monitor the integrated pressure gauge to ensure you do not over-inflate the item. Refer to the item's manufacturer recommendations for the correct pressure. The gauge displays pressure in Bar and PSI.
4. **Disconnect:** Once the desired pressure is reached, carefully remove the hose nozzle from the valve. Some air may escape during disconnection; this is normal.
5. **Store:** Fold the pump for compact storage.

Note: The manometer has a rotating dial for easy reading.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your foot pump.

- **Cleaning:** Wipe the pump clean with a damp cloth after use. Avoid using harsh chemicals or abrasive cleaners.
- **Hose Inspection:** Periodically check the inflation hose for cracks, kinks, or damage. Replace if necessary.
- **Adapter Storage:** Keep the adapter set together in a safe place to prevent loss.
- **Lubrication:** The internal cylinder mechanism is generally maintenance-free. If resistance increases significantly, a small amount of silicone-based lubricant can be applied to the piston rod, but avoid over-lubrication.
- **Storage:** Store the pump in a dry, protected environment when not in use.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Pump not inflating / Air leaking	Loose connection to valve; Damaged hose or adapter; Worn internal seal.	Ensure hose is securely attached to the valve. Check hose and adapters for damage and replace if necessary. Contact customer support if internal seal is suspected.
Pressure gauge not working or inaccurate	Gauge malfunction; Incorrect connection.	Ensure a tight seal with the valve. If the gauge remains unresponsive or inaccurate, it may be faulty.
Difficulty pressing pedal	High pressure in item; Internal friction.	This is normal as pressure increases. Do not force the pedal beyond comfortable operation. Check for any obstructions.

8. SPECIFICATIONS

Key technical specifications for the Mannesmann M00100 Foot Pump:

Model Number	M00100
Brand	Mannesmann
Type	Single Cylinder Foot Pump
Material	Plastic (foot), Metal (cylinder/frame)
Color	Black
Power Source	Manual
Maximum Pressure	2 Bar (approximately 29 PSI)
Product Dimensions	Approximately 0.1 x 0.1 x 0.1 cm (folded); 998 g (weight) - <i>Note: Dimensions from source seem incorrect, providing weight as a more reliable spec.</i>
Included Components	Foot pump, adapter set

9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please refer to the documentation included with your purchase or visit the official Mannesmann website. Keep your proof of purchase for warranty claims.

Manufacturer: Brüder Mannesmann Werkzeuge