Air 26-1125-M3

Air Line 26-1125-M3 Regulator Instruction Manual

Model: 26-1125-M3 | Brand: Air

1. Product Overview

The Air Line 26-1125-M3 Regulator is a robust industrial-grade pressure regulator designed to precisely control air pressure in pneumatic systems. This device is engineered for durability and reliable performance, ensuring consistent output pressure up to 125 PSI from a 1/4 inch port connection. It is suitable for a wide range of industrial and scientific applications where stable air pressure is critical.

Figure 1: Air Line 26-1125-M3 Regulator in its original, factory packaging.

Figure 2: Close-up view of the product box label, confirming the model number 26-1125-M3 and 1/4 inch size.

2. Safety Information

Always adhere to the following safety guidelines to prevent injury or damage to equipment:

- Read and understand this entire manual before installation or operation.
- Ensure the system pressure does not exceed the maximum rated inlet pressure of the regulator (125 PSI).
- Always depressurize the system before attempting any installation, maintenance, or troubleshooting.
- Wear appropriate personal protective equipment (PPE), including eye protection, when working with compressed air systems.
- Installation and maintenance should only be performed by qualified personnel familiar with pneumatic systems.
- Do not modify the regulator in any way. Use only genuine replacement parts.

3. Setup and Installation

Proper installation is crucial for the safe and efficient operation of your Air Line regulator. Follow these steps carefully:

1. **Unpack and Inspect:** Carefully remove the regulator and its components from the packaging. Inspect for any signs of shipping damage. Ensure all parts are present as shown in Figure 3.
2. **Prepare Connections:** Ensure the inlet and outlet ports (1/4 inch NPT) are clean and free of debris. Apply appropriate thread sealant (e.g., PTFE tape) to the male pipe threads.
3. **Mounting:** Mount the regulator securely in a vertical position with the drain port facing downwards. Ensure there is sufficient clearance for adjustment and maintenance.
4. **Connect Piping:** Connect the upstream (inlet) air supply to the designated inlet port and the downstream (outlet) equipment to the outlet port. Ensure all connections are tight to prevent leaks.
5. **Install Pressure Gauge (Optional):** If not pre-installed, screw a suitable pressure gauge into the gauge port to monitor the regulated output pressure.

Figure 3: Components of the Air Line 26-1125-M3 Regulator, including the main body and the filter bowl.

4. Operating Instructions

Once installed, the Air Line 26-1125-M3 Regulator is ready for operation. Follow these steps to adjust and maintain the desired output pressure:

1. **Initial Pressure Setting:** Before applying full inlet pressure, turn the adjustment knob (if present) or screw counter-clockwise to its lowest setting to prevent over-pressurization of downstream equipment.
2. **Apply Inlet Pressure:** Slowly open the upstream shut-off valve to allow air to flow into the regulator.
3. **Adjust Output Pressure:** Slowly turn the adjustment knob/screw clockwise to increase the output pressure. Observe the pressure gauge until the desired working pressure is reached. Turn counter-clockwise to decrease pressure.
4. **Lock Setting (if applicable):** Some regulators have a locking mechanism (e.g., a lock nut or push-to-lock knob). Engage this mechanism to prevent accidental changes to the pressure setting.

Note: Always adjust pressure gradually. Rapid adjustments can cause pressure spikes or damage to the regulator or downstream components.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Air Line regulator:

- **Daily/Weekly:** Check for any visible leaks around connections or the regulator body. Listen for unusual air sounds.
- **Monthly/Quarterly:** Inspect the filter element (if integrated) for contamination and clean or replace as necessary. Check the drain mechanism for proper function.
- **Annually:** Perform a thorough inspection of all seals, O-rings, and diaphragms. Replace any worn or damaged components. Consider a full service kit if available.
- **Cleaning:** Clean the exterior of the regulator with a damp cloth. Do not use harsh chemicals or solvents that could damage the materials.

Important: Always depressurize the system completely before performing any maintenance or disassembly.

6. Troubleshooting

This section provides solutions to common issues you might encounter with your pressure regulator.

Problem	Possible Cause	Solution
No output pressure	No inlet pressure; Regulator adjustment knob fully counter-clockwise; Clogged filter.	Check air supply; Turn adjustment knob clockwise; Clean/replace filter.
Fluctuating output pressure	Inconsistent inlet pressure; Worn diaphragm or seals; Regulator too small for flow.	Stabilize inlet pressure; Inspect and replace internal components; Consult specifications for flow capacity.
Air leaks from regulator	Loose connections; Damaged O-rings or seals; Cracked housing.	Tighten connections; Inspect and replace damaged seals; Replace regulator if housing is cracked.
Pressure cannot be adjusted	Adjustment mechanism seized; Internal component failure.	Attempt to free mechanism gently; Disassemble and inspect for damage; Replace regulator if necessary.

7. Specifications

Key technical specifications for the Air Line 26-1125-M3 Regulator:

- **Model Number:** 26-1125-M3
- **Manufacturer:** Air
- **Port Size:** 1/4 inch NPT
- **Maximum Inlet Pressure:** 125 PSI
- **Product Dimensions:** Approximately 23 x 16 x 18 inches (packaging dimensions); Unit is compact.
- **Weight:** Approximately 2 Pounds
- **ASIN:** B00RW7PPU4
- **Date First Available:** December 15, 2014

8. Warranty and Support

This Air Line product is manufactured to high standards. For specific warranty information, please refer to the documentation provided at the time of purchase or contact the seller/manufacturer directly. Typically, industrial components carry a limited warranty against manufacturing defects.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact your authorized Air Line distributor or the point of purchase. When contacting support, please have your product model number (26-1125-M3) and ASIN (B00RW7PPU4) ready.

Related Documents - 26-1125-M3

	[Proportion-Air QB1T & QB2T Electro-Pneumatic Regulator Installation and Maintenance Guide] Comprehensive guide for installing, calibrating, and maintaining Proportion-Air QB1T and QB2T electro-pneumatic pressure regulators and flow controllers. Includes specifications, electrical connections, safety precautions, and warranty information.
	[Pikulla Electric Pressure Washer User Manual - JMG-60514M] User manual for the Pikulla Electric Pressure Washer, model JMG-60514M. Provides instructions on product description, safety, assembly, operation, technical specifications, maintenance, troubleshooting, and customer support.
	[Central Pneumatic 96496 Oilless Air Compressor: Setup and Operating Instructions] Comprehensive setup, operating, safety, and maintenance instructions for the Central Pneumatic 96496 Oilless Air Compressor. Includes troubleshooting and parts list.
	[V-TUF DELUGE 2000/1125 HWTDES Trailer Pressure Washer - Specifications and Features] Detailed specifications, features, and technical information for the V-TUF DELUGE 2000/1125 HWTDES diesel-driven hot/cold/steam site pressure washer, suitable for highway towing.
	[Aldes MR Mono Ø 125 - 150 m³/h Airflow Regulator] Technical specifications and installation guide for the Aldes MR Mono Ø 125 - 150 m³/h airflow regulator, designed for stable airflow in ventilation systems.
	[Aldes MR Mono Ø 125 - 75 m³/h Flow Regulator] Technical specifications and installation guide for the Aldes MR Mono Ø 125 - 75 m³/h, a self-regulating air flow controller designed for stable airflow in ventilation systems.