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Flexzilla 3/8 in. x 50 ft.

Flexzilla Air Compressor Hose 3/8 in. x 50 ft. Instruction Manual

Model: 3/8 in. x 50 ft.

Introduction

The Flexzilla Air Compressor Hose is constructed from a Flexible Hybrid Polymer material, designed to maintain flexibility across a wide range of temperatures. This material prevents the hose from becoming stiff, a common issue with general purpose PVC and rubber hoses. The Flexzilla hose is engineered with zero memory, allowing it to lay flat during use and coil easily for storage. It offers extreme all-weather flexibility, performing effectively in both hot and subzero conditions, and is suitable for applications requiring tight radius bends.

Key Features

- **Extreme Flexibility:** Maintains flexibility in temperatures ranging from -40°F to 140°F.
- **Durability:** Features an abrasion-resistant outer cover and crush-resistant aircraft aluminum fittings with bend restrictors.
- **Hybrid Polymer Construction:** Resists kinking under pressure, coils easily, and lays flat with zero memory.
- **Maximum Working Pressure:** Rated for 300 pounds per square inch (PSI).
- **Versatile Use:** Suitable for professional job sites, automotive shops, and home garage applications.



Figure 1: Flexzilla Air Compressor Hose, 3/8 in. x 50 ft., shown in its retail packaging.

Video 1: Product Overview. This video provides a general overview of the Flexzilla Air Compressor Hose, highlighting its key features and benefits.

Setup

Proper setup ensures optimal performance and safety. Follow these steps to connect your Flexzilla air hose.

Connecting to an Air Compressor

1. Ensure the air compressor is turned off and depressurized before connecting the hose.
2. Thread one end of the Flexzilla air hose (1/4 in. MNPT fitting) onto the air outlet of your compressor.
3. Tighten the connection securely by hand, then use a wrench for a final snug turn. Avoid overtightening to prevent damage.
4. Check for any leaks by applying a soapy water solution to the connection points once the compressor is pressurized.

Connecting Air Tools

1. Ensure the air tool is compatible with 1/4 in. MNPT fittings.
2. Thread the other end of the Flexzilla air hose onto the air inlet of your chosen air tool.
3. Tighten the connection securely.
4. Verify that all connections are tight before operating the air tool.



Figure 2: Close-up view of the Flexzilla air hose, highlighting the anodized aircraft aluminum fittings and bend restrictors for secure connections.

Operating Instructions

The Flexzilla air hose is designed for ease of use and durability. Observe the following guidelines during operation.

Flexibility and Kink Resistance

The hybrid polymer material allows the hose to remain flexible and resist kinking, even when subjected to pressure or tight bends. This ensures uninterrupted airflow to your tools.



Figure 3: The Flexzilla air hose tied in a knot, illustrating its extreme flexibility without kinking.



Figure 4: The Flexzilla air hose positioned under a car tire, demonstrating its ability to resist kinking even under significant pressure.

Video 2: Kink Resistance Demonstration. This video illustrates the kink-resistant design of the Flexzilla air hose, ensuring smooth operation without interruptions.

All-Weather Performance

The hose maintains its flexibility and performance in a wide range of temperatures, from extreme cold (-40°F) to high heat (140°F), making it suitable for various working conditions.



Figure 5: Visual representation of the hose's extreme all-weather flexibility, performing reliably in both cold and hot environments.

Video 3: Flexibility Demonstration. This video demonstrates the lightweight nature and superior flexibility of the Flexzilla air hose, showing how it resists kinking and lays flat.

Coiling and Storage

Due to its zero-memory design, the hose coils easily and lays flat without retaining kinks or loops from previous use. This simplifies storage and deployment.



Figure 6: A hand holding a neatly coiled Flexzilla air hose, demonstrating its lightweight and easy handling for storage.

Maintenance

Regular maintenance helps prolong the life and performance of your Flexzilla air hose.

- **Inspection:** Periodically inspect the hose for any signs of wear, cuts, abrasions, or damage to the fittings. Replace the hose if significant damage is found.
- **Cleaning:** Clean the hose with mild soap and water as needed. Avoid harsh chemicals or solvents that could degrade the hybrid polymer material.
- **Storage:** Store the hose coiled in a dry, clean area away from direct sunlight and extreme temperatures when not in use.
- **Fittings:** Ensure fittings remain tight and free of debris. Apply thread sealant tape if necessary to prevent air leaks.

Troubleshooting

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

Problem	Possible Cause	Solution
Air Leak at Connection	Loose fitting, damaged threads, missing or worn sealant.	Tighten fittings. Inspect threads for damage. Apply new thread sealant tape.
Reduced Airflow	Hose kinked, internal obstruction, low compressor pressure.	Straighten hose. Check for blockages. Verify compressor pressure settings.
Hose Stiffness in Cold Weather	Extreme temperatures below -40°F.	While designed for extreme cold, prolonged exposure to temperatures below -40°F may affect flexibility. Allow hose to warm slightly if performance is impacted.
Hose Damage (Cuts/Abrasions)	Contact with sharp objects or rough surfaces.	Inspect hose regularly. Replace damaged sections or the entire hose if integrity is compromised.

Specifications

Attribute	Detail
Brand	Flexzilla
Model	3/8 in. x 50 ft. Air Hose
Material	Flexible Hybrid Polymer
Color	ZillaGreen
Hose Dimensions	3/8 in. (Inner Diameter) x 50 ft. (Length)
Fittings	1/4 in. MNPT (Male National Pipe Taper)
Maximum Pressure	300 PSI
Temperature Range	-40°F to 140°F
Item Weight	16 ounces
Manufacturer	Legacy Manufacturing
UPC	092329386392

Warranty and Support

The Flexzilla Air Compressor Hose is backed by a **5 Year Limited Manufacturer Warranty**. For warranty claims or technical support, please contact Legacy Manufacturing, the manufacturer of Flexzilla products.

For additional product information and support, you may visit the official Flexzilla website:www.flexzilla.com/air/air-hose/

Important Safety Information

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always wear appropriate personal protective equipment, such as safety glasses, when operating air tools and compressors. Ensure all connections are secure before use to prevent accidental disconnections and potential injury. Do not exceed the maximum working pressure of 300 PSI.

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