DeVilbiss HA-7325

DeVilbiss HA-7325 Fluid Hose Assembly User Manual

Model: HA-7325 (Part No. 220008)

1. Introduction

This manual provides essential information for the proper use, installation, maintenance, and troubleshooting of the DeVilbiss HA-7325 Fluid Hose Assembly. This hose assembly is designed for use with various air-operated equipment, facilitating the transfer of a wide range of fluids.
The HA-7325 assembly features a robust construction, offering superior resistance to common environmental factors and chemical exposure. It is suitable for both professional and industrial applications requiring reliable fluid conveyance.

2. Components and Features

The DeVilbiss HA-7325 Fluid Hose Assembly includes the following primary components and features:

- **Fluid Hose:** Available in two main types within the assembly:
  - **Smooth Cover Hose:** Features a smooth brick-red cover with a synthetic rubber compound tube and high tensile strength braid. Engineered for resistance to oil, weathering, ozone, and abrasion.
  - **Nyliner II Fluid Hose:** Composed of a nylon tube with a black neoprene rubber cover, reinforced with yarn. This hose is specifically designed for compatibility with a broad spectrum of materials including resins, solvents, and various paints.
- **Connections:** Designed for use with reusable or permanent crimp connections. The assembly typically includes a Three-Piece, Reusable Nut & Nipple (Part No. 240035 P-HC-4548).

Figure 2.1: DeVilbiss Fluid Hose Assembly. The image displays a large spool of black hose and two coiled sections of red hose, each fitted with connectors, illustrating the different hose types and their typical appearance.

3. Setup and Installation

Proper installation ensures optimal performance and safety of your DeVilbiss HA-7325 Fluid Hose Assembly. Follow these steps for setup:

1. **Inspect Components:** Before installation, carefully inspect the hose and connections for any signs of damage, kinks, or wear. Do not use damaged components.
2. **Prepare Connections:** Ensure that the equipment to which the hose will be connected has clean, compatible 3/8" NPS (F) threaded ports.
3. **Attach Reusable Fittings (if applicable):** If using the reusable nut and nipple, ensure they are correctly assembled onto the hose ends according to standard plumbing practices for fluid lines. Tighten securely to prevent leaks.
4. **Connect Hose:** Thread the hose fittings onto the corresponding ports of your air-operated equipment. Hand-tighten first, then use an appropriate wrench to secure the connection. Avoid over-tightening, which can damage threads.
5. **Test for Leaks:** After connecting, slowly introduce the fluid or air pressure into the system. Check all connections for leaks using a leak detection solution or by listening for air hissing. Address any leaks immediately by re-tightening or re-sealing connections.

Safety Note: Always ensure the system is depressurized before attempting to connect or disconnect the hose assembly. Wear appropriate personal protective equipment (PPE) such as gloves and eye protection during installation.

4. Operating Guidelines

The HA-7325 Fluid Hose Assembly is designed for efficient and safe fluid transfer. Adhere to the following guidelines during operation:

- **Fluid Compatibility:** This hose is compatible with a wide range of materials, including but not limited to: resins, solvents (latices, epoxies, urethanes, alkyds, primers, acrylics, ketone, MEK, acetone, polyesters, silicones, bitumastic coatings, oil and water-based paints, lacquers, latex coatings, toluene, turpentine, naptha). Always verify compatibility with specific chemicals if unsure.
- **Temperature Limits:** Do not expose the hose to temperatures exceeding 150°F (65°C). Operating outside this range can compromise hose integrity and lead to failure.
- **Pressure Limits:** While the hose features high tensile strength, always operate within the pressure limits specified by your air-operated equipment and the hose's design. Avoid sudden pressure surges.
- **Avoid Kinking:** Ensure the hose is laid out without sharp bends or kinks during operation, as this can restrict flow and cause premature wear.
- **Protection from Damage:** Protect the hose from sharp objects, abrasive surfaces, and heavy loads that could cause punctures or crushing.

5. Maintenance and Care

Regular maintenance extends the lifespan and ensures the safe operation of your fluid hose assembly:

- **Cleaning:** After each use, especially when transferring corrosive or sticky materials, flush the hose thoroughly with a compatible cleaning agent or water to prevent buildup and clogging. Ensure all residue is removed.
- **Inspection:** Periodically inspect the entire length of the hose for signs of wear, cuts, abrasions, bulges, or cracks. Pay close attention to the areas near the fittings.
- **Fitting Check:** Regularly check the tightness of all connections. Re-tighten if necessary to prevent leaks.
- **Storage:** Store the hose in a clean, dry, and cool environment, away from direct sunlight, extreme temperatures, and harsh chemicals. Coil the hose loosely to prevent kinking.

- **Replacement:** Replace the hose assembly immediately if any damage is detected or if it shows signs of degradation (e.g., hardening, softening, cracking).

6. Troubleshooting

This section addresses common issues you might encounter with your HA-7325 Fluid Hose Assembly:

Problem	Possible Cause	Solution
Fluid Leakage at Connections	Loose fittings, damaged threads, worn seals.	Tighten fittings. Inspect threads and seals; replace if damaged. Ensure proper thread sealant is used if applicable.
Reduced Fluid Flow	Kinked hose, internal blockage, incorrect hose size.	Straighten hose to remove kinks. Flush hose to clear blockages. Verify hose ID (3/8") is appropriate for application.
Hose Degradation (Cracking, Hardening)	Exposure to incompatible chemicals, excessive temperature, UV exposure, age.	Verify fluid compatibility. Ensure operating temperature is within limits (max 150°F). Store hose properly. Replace hose assembly.

7. Specifications

Attribute	Detail
Brand	DeVilbiss
Model Number	HA-7325
Part Number	220008
Inner Diameter (I.D.)	3/8 inches
Length	25 feet
Thread Size	3/8" NPS (F)
Connection Type	Three-Piece, Reusable Nut & Nipple (Part No. 240035 P-HC-4548)
Materials	Synthetic Rubber Compound (Smooth Cover Hose), Nylon (Nyliner II Tube), Neoprene Rubber (Nyliner II Cover)
Maximum Application Temperature	150°F (65°C)
Item Weight	6.15 Pounds
UPC	065870100465

8. Warranty Information

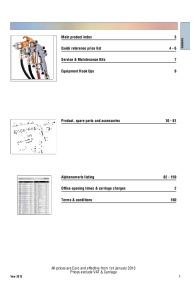
Specific warranty terms for the DeVilbiss HA-7325 Fluid Hose Assembly are typically provided by the manufacturer or the authorized seller at the time of purchase. Please refer to your purchase documentation or contact the seller directly for

detailed warranty coverage, duration, and claim procedures.
It is recommended to retain your proof of purchase for any warranty claims.

9. Customer Support

For technical assistance, replacement parts, or further inquiries regarding your DeVilbiss HA-7325 Fluid Hose Assembly, please contact the seller or the manufacturer, DeVilbiss. You may find contact information on their official website or through your original point of purchase.
When contacting support, please have your product model number (HA-7325) and part number (220008) readily available to expedite assistance.

Related Documents - HA-7325

	DeVilbiss APOLLO-L Spray Gun Operation Manual This manual provides comprehensive instructions for the safe operation, maintenance, and troubleshooting of the DeVilbiss APOLLO-L spray gun. It covers safety precautions, usage guidelines, parts lists, and specifications.
	DeVilbiss StartingLine HVLP Spray Gun Service Bulletin SB-2-610-K This service bulletin provides essential information, setup instructions, adjustment procedures, cleaning guidelines, and safety warnings for the DeVilbiss StartingLine HVLP spray gun, model SB-2-610-K. It details HVLP air supply requirements, gun setup, packing adjustment, fluid tip applications, cleaning, preventive maintenance, and potential hazards.
	DeVilbiss, Binks, Ransburg Spray Finishing Equipment Catalog and Technical Guide Comprehensive catalog and technical guide for DeVilbiss, Binks, and Ransburg professional spray finishing equipment. Features detailed listings of spray guns, pumps, air motors, regulators, hoses, accessories, and related parts with model numbers and specifications.

	Nissan Juke HVAC System Service and Repair Manual Comprehensive guide for servicing the Nissan Juke's Ventilation, Heater, and Air Conditioning (HVAC) system. Covers detailed precautions, preparation steps, system descriptions, diagnostic procedures, refrigerant and lubricant handling, performance testing, symptom diagnosis, and component removal/installation.
	PINTECH HA-205 High Voltage Amplifier Instruction Manual Detailed instruction manual for the PINTECH HA-205 High Voltage Amplifier, covering specifications, front and rear panel descriptions, operation, output connection methods, maintenance, and warranty information.
	PINTECH HA-4800 High Voltage Amplifier Instruction Manual Comprehensive instruction manual for the PINTECH HA-4800 High Voltage Amplifier, detailing its specifications, front and rear panel descriptions, operational procedures, output connection methods, appendix on coaxial cable usage, maintenance, warranty, and packing list.