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EDSYN B01AMRXIMC

Locking Collar for 1/4 in. O.D. High Pressure Hose - Instruction Manual

Model: B01AMRXIMC

1. INTRODUCTION

This manual provides essential information for the proper use, installation, and maintenance of the EDSYN Locking Collar for 1/4 in. O.D. High Pressure Hose. This product is designed to securely fasten high-pressure hoses, ensuring a reliable and leak-free connection in various applications. Please read this manual thoroughly before using the product.



This image displays a single black locking collar, designed to secure high-pressure hose connections. It features a robust, multi-lobed exterior and a central circular opening for hose insertion.

2. SAFETY INFORMATION

Always observe the following safety precautions when working with high-pressure systems and installing the locking collars:

- **Depressurize System:** Ensure that the high-pressure system is completely depressurized before attempting to install or remove any components, including the locking collar.
- **Wear Personal Protective Equipment (PPE):** Always wear appropriate safety glasses and gloves to protect against potential high-pressure fluid injection or accidental impacts.
- **Inspect Components:** Before installation, inspect the locking collar, hose, and mating connectors for any signs of damage, wear, or debris. Do not use damaged components.
- **Proper Fit:** Ensure the locking collar is the correct size for your 1/4 inch O.D. high-pressure hose. An improper fit can lead to leaks or system failure.
- **Secure Connection:** Verify that the collar is fully engaged and securely locked into place after installation. A loose connection can result in dangerous high-pressure leaks.
- **Avoid Over-tightening:** If applicable, follow torque specifications for any threaded connections. Over-tightening can damage components.

3. SETUP

The EDSYN Locking Collar is designed for straightforward installation as part of a quick-connect or similar high-pressure hose system. Follow these general steps for proper setup:

1. **Prepare Hose and Connector:** Ensure the end of the 1/4 inch O.D. high-pressure hose is clean, free of burrs, and cut squarely. Prepare the mating connector according to its specific instructions.
2. **Slide Collar onto Hose:** Carefully slide the EDSYN Locking Collar over the end of the 1/4 inch O.D. high-pressure hose. Ensure the orientation is correct for engagement with the connector.
3. **Insert Hose into Connector:** Insert the hose end, with the collar in place, into the corresponding high-pressure connector. Push firmly until the hose is fully seated.
4. **Engage Locking Collar:** Slide the locking collar forward or push it into place over the connector's retention mechanism. You should feel or hear a click, indicating that the collar has engaged and secured the hose within the connector.
5. **Verify Connection:** Gently pull on the hose to confirm that it is securely locked in place and cannot be easily dislodged.

4. OPERATING INSTRUCTIONS

Once properly installed, the EDSYN Locking Collar functions passively to maintain the secure connection of your 1/4 inch O.D. high-pressure hose. No active operation is required during system use.

- **System Pressurization:** After ensuring all connections are secure, slowly pressurize the system.
- **Leak Check:** Carefully inspect all connections, including those secured by the locking collar, for any signs of leaks (e.g., drips, sprays, or hissing sounds). Address any leaks immediately by depressurizing the system and re-securing the connection.
- **Disconnection:** To disconnect the hose, first ensure the system is fully depressurized. Then, disengage the locking collar by sliding it back or releasing its mechanism, and carefully pull the hose from the connector.

5. MAINTENANCE

Regular inspection and simple maintenance will help ensure the longevity and reliable performance of your EDSYN Locking Collars:

- **Visual Inspection:** Before each use, visually inspect the locking collars for any signs of cracks, deformation, excessive wear, or corrosion. Replace any damaged collars immediately.
- **Cleanliness:** Keep the collars and the mating connector surfaces clean and free of dirt, debris, or chemical residues that could impede proper engagement or cause wear. Use a damp cloth for cleaning; avoid harsh chemicals.
- **Storage:** Store unused locking collars in a clean, dry environment, away from direct sunlight, extreme temperatures, and corrosive substances.
- **Lubrication (if applicable):** If the mating connector requires lubrication for its O-rings or internal mechanisms, ensure the locking collar area remains clean and free of excess lubricant that could attract dirt.

6. TROUBLESHOOTING

If you encounter issues with your EDSYN Locking Collar, refer to the following table for common problems and solutions:

| Problem | Possible Cause | Solution |
|--------------------------------|---|--|
| Hose leaks at connection point | <ul style="list-style-type: none">• Collar not fully engaged• Damaged O-ring or seal in connector• Incorrect hose size• Damaged collar | <ul style="list-style-type: none">• Depressurize system, re-engage collar firmly• Inspect and replace connector O-rings/seals• Verify hose is 1/4 inch O.D.• Replace damaged collar |
| Collar does not engage/lock | <ul style="list-style-type: none">• Debris in mechanism• Damaged collar or connector• Hose not fully seated | <ul style="list-style-type: none">• Clean collar and connector mechanism• Inspect for damage; replace if necessary• Ensure hose is pushed in completely |
| Hose difficult to disconnect | <ul style="list-style-type: none">• System still pressurized• Collar mechanism stuck | <ul style="list-style-type: none">• Ensure system is fully depressurized• Clean collar and connector; apply light lubricant if recommended by connector manufacturer |

7. SPECIFICATIONS

- **Product Name:** Locking Collar for High Pressure Hose
- **Brand:** EDSYN
- **Model Identifier:** B01AMRXIMC
- **Hose Compatibility:** 1/4 inch O.D. (Outer Diameter) High Pressure Hose
- **Quantity:** Set of 5 collars
- **Application:** Securing high-pressure hose connections

- **Date First Available:** January 14, 2016

8. WARRANTY AND SUPPORT

For specific warranty information regarding your EDSYN Locking Collars, please refer to the product packaging or visit the official EDSYN website. Warranty terms typically cover manufacturing defects.

If you require technical support, have questions about product compatibility, or need to report an issue, please contact EDSYN customer service through their official channels. Contact information can usually be found on the brand's website or on the product's original packaging.