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Watts FFSS12-R

Watts FFSS12-R Corrugated Stainless Water Heater Connector Instruction Manual

Model: FFSS12-R

INTRODUCTION

This manual provides essential instructions for the safe and proper installation, operation, and maintenance of your Watts FFSS12-R 12-Inch by 3/4-Inch FIP Corrugated Stainless Water Heater Connector. Please read this manual thoroughly before beginning installation to ensure correct usage and to prevent potential damage or injury.

The Watts FFSS12-R is designed to connect electric or gas water heaters to the water supply. Its corrugated stainless steel construction offers flexibility and high flow, while the built-in dielectric sleeve helps prevent galvanic corrosion between dissimilar metals.

IMPORTANT SAFETY INFORMATION

- **WARNING:** Installation should be performed by a qualified professional or a knowledgeable individual familiar with plumbing systems and local codes.
- Always shut off the main water supply and drain the water heater before beginning any work.
- Ensure all connections are tight to prevent leaks. Do not overtighten.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- Comply with all local plumbing and building codes.
- This product is designed for water heater connections only. Do not use for other applications.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Watts FFSS12-R 12-Inch by 3/4-Inch FIP Corrugated Stainless Water Heater Connector

INSTALLATION INSTRUCTIONS

Follow these steps carefully for proper installation:

1. Prepare the Water Heater:

- Turn off the water supply to the water heater at the main shut-off valve.
- Turn off the power supply (electricity or gas) to the water heater.
- Drain the water heater completely. Refer to your water heater's manual for specific draining instructions.

2. Remove Old Connectors (if applicable):

- Carefully disconnect and remove any existing water heater connectors. Be prepared for residual water.

3. Inspect the Watts FFSS12-R Connector:

Examine the connector for any signs of damage or manufacturing defects before installation.

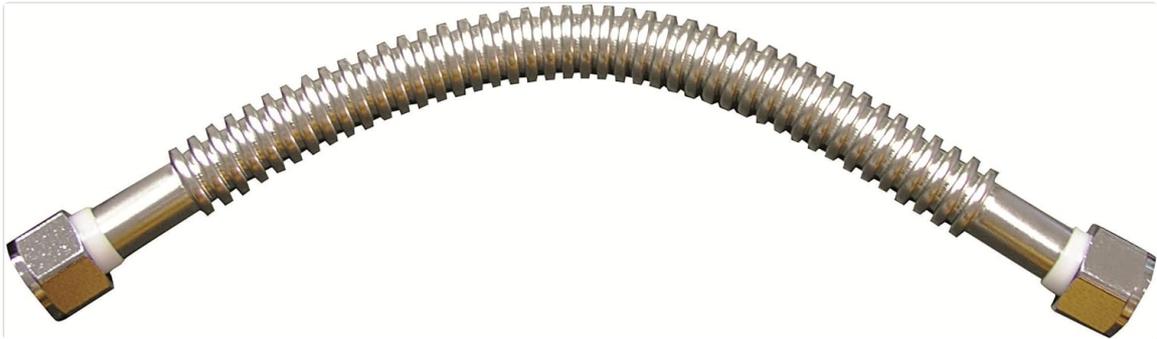


Image: Watts FFSS12-R 12-Inch by 3/4-Inch FIP Corrugated Stainless Water Heater Connector. This image shows the flexible corrugated stainless steel hose with threaded FIP connections at both ends, ready for installation.

4. Connect to Water Heater:

- Apply a suitable thread sealant (e.g., PTFE tape or pipe dope) to the male threads of the water heater's inlet and outlet ports.
- Hand-tighten one end of the Watts FFSS12-R connector to the water heater's cold water inlet (typically marked blue or 'C').
- Hand-tighten the other Watts FFSS12-R connector (or the other end of the same connector if only one is used for both hot/cold, though typically two are used) to the water heater's hot water outlet (typically marked red or 'H').
- Using a wrench, tighten each connection an additional 1/2 to 1 full turn past hand-tight. Do not over-tighten, as this can damage the threads or the connector.

5. Connect to House Plumbing:

- Apply thread sealant to the male threads of the house's cold and hot water supply lines.
- Connect the remaining ends of the Watts FFSS12-R connectors to the corresponding cold and hot water supply lines.
- Hand-tighten, then use a wrench to tighten an additional 1/2 to 1 full turn.

6. Check for Leaks:

- Slowly turn on the main water supply.
- Open a hot water faucet in your home to allow air to escape from the water heater and pipes. Once water flows steadily, close the faucet.
- Carefully inspect all connections for leaks. If a leak is detected, turn off the water supply, drain the system slightly, and re-tighten the leaking connection. Do not overtighten.

7. Restore Power:

- Once all connections are secure and leak-free, restore power (electricity or gas) to the water heater.
- Allow the water heater to fill and heat up according to its manufacturer's instructions.

OPERATION

The Watts FFSS12-R connector is a passive component designed to provide a flexible and secure connection between your water heater and the plumbing system. Once installed correctly, it operates continuously without user intervention. Its corrugated design allows for slight movement and vibration without compromising the seal, while the built-in dielectric sleeve helps prevent galvanic corrosion between dissimilar metals.

MAINTENANCE

Regular maintenance is minimal for this product, but periodic inspection is recommended:

- **Annual Inspection:** Annually, visually inspect the connectors for any signs of corrosion, leaks, kinks, or damage.
- **Leak Check:** If any signs of moisture or dripping are observed, immediately shut off the water supply and investigate the source of the leak. Re-tighten connections if necessary, but do not overtighten.
- **Cleaning:** Clean the exterior of the connector with a soft, damp cloth if necessary. Do not use harsh chemicals or abrasive cleaners.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Leak at connection points	Loose connection, insufficient thread sealant, damaged washer.	Shut off water supply. Drain system. Re-tighten connection (do not overtighten). Apply more thread sealant. Inspect and replace washer if damaged.

Problem	Possible Cause	Solution
Reduced water flow	Kinked connector (unlikely with corrugated design), debris in line (not typically connector issue).	Inspect connector for kinks. If no kinks, check other plumbing components for blockages.
Corrosion around connections	Galvanic corrosion (if dielectric sleeve is compromised or not present), external chemical exposure.	Ensure proper dielectric isolation. Clean affected area. If severe, consider replacement.

If you encounter issues not listed here or cannot resolve a problem, contact a qualified plumbing professional.

SPECIFICATIONS

- **Model:** FFSS12-R
- **Length:** 12 inches
- **Connection Size:** 3/4-inch FIP (Female Iron Pipe)
- **Material:** Corrugated Stainless Steel
- **Maximum Pressure:** 125 PSI
- **Built-in Features:** Dielectric sleeve, threaded swivel adapters
- **Dimensions (L x W x H):** 12 x 0.75 x 0.75 inches
- **Item Weight:** 4.8 ounces

WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation provided with your purchase or visit the official Watts website. For technical support or inquiries, please contact Watts customer service directly.

Watts Official Website: www.watts.com