

Fill-Rite KIT120FLG

Fill-Rite KIT120FLG 1-Inch Meter Flange Assembly Kit User Manual

FOR FR4200 AND FR4400 SERIES PUMPS

1. Product Overview

The Fill-Rite KIT120FLG is a 1-inch meter flange assembly kit designed for use with Fill-Rite FR4200 and FR4400 series pumps. This kit provides essential components for mounting a meter, serving as a cost-effective solution for pump repair and extending equipment lifespan. It includes certified OEM parts to ensure compatibility and reliable performance.

This kit replaces the older 305F0998 flange.

1.1 Package Contents

The KIT120FLG package typically includes the following components:

- Meter Flange (Red, as shown in image)
- O-ring
- Bolts (for attaching the meter to the flange)

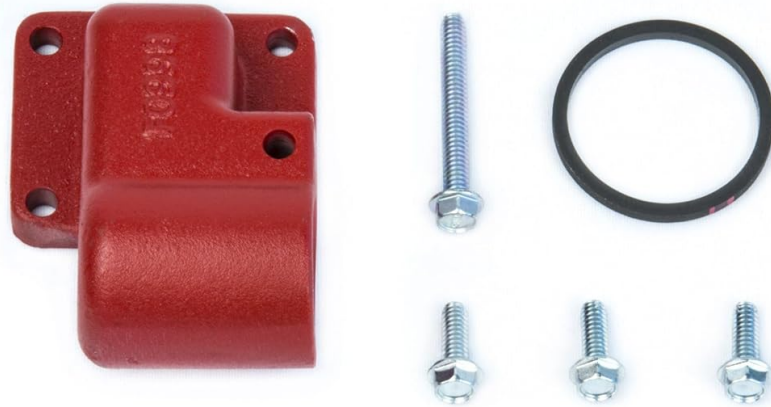


Figure 1: Components of the Fill-Rite KIT120FLG kit, including the red flange, O-ring, and bolts.

2. Safety Information

Always observe the following safety precautions when handling, installing, or maintaining the KIT120FLG meter flange assembly:

- Ensure the pump system is de-pressurized and drained before beginning any installation or maintenance.
- Disconnect power to the pump to prevent accidental operation.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Refer to the main pump manual for specific safety guidelines related to your FR4200 or FR4400 series pump.
- Handle components carefully to avoid damage or injury.

3. Installation Instructions

Follow these steps to properly install the KIT120FLG meter flange assembly:

1. **Prepare the Pump:** Ensure the FR4200 or FR4400 series pump is turned off, de-pressurized, and any fuel or fluid lines are disconnected from the area where the flange will be installed.
2. **Remove Existing Flange (if applicable):** If replacing an old flange, carefully remove the existing bolts and flange, ensuring no debris enters the pump or lines.
3. **Position the O-Ring:** Place the O-ring onto the meter side of the new KIT120FLG flange. Ensure it is seated correctly to create a proper seal.
4. **Connect to Pump Discharge:** Using a pipe nipple (not included), connect the inlet of the meter flange to the pump's discharge port. Ensure a secure, leak-free connection.
5. **Attach Meter:** Align the meter (not included) with the flange. Use the provided bolts (typically four) to securely attach the meter to the flange. Tighten bolts evenly to prevent stress on the components.

and ensure a tight seal.

6. **Inspect Connections:** Double-check all connections for tightness and proper alignment.
7. **Test for Leaks:** After installation, slowly re-pressurize the system and carefully inspect for any leaks around the flange and meter connections. Address any leaks immediately.

KIT120FLG – 1" Meter Flange for 4200 Pumps

- For use with FR4200 and FR4400 Pumps.
- This is the old 305F0998 flange.

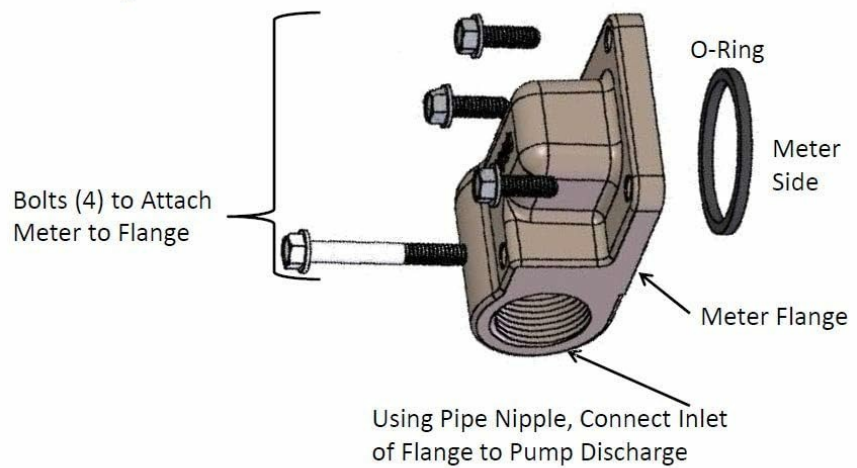


Figure 2: Exploded view diagram illustrating the assembly of the KIT120FLG meter flange, O-ring, and bolts for connection to a meter and pump discharge.

4. Operation

Once properly installed, the KIT120FLG meter flange assembly facilitates the connection of a compatible meter to your Fill-Rite FR4200 or FR4400 series pump. The flange ensures a secure and sealed pathway for fluid transfer, allowing the connected meter to accurately measure the dispensed volume. Operation of the meter itself will depend on the specific meter model used.

5. Maintenance

Regular maintenance of the meter flange assembly ensures optimal performance and longevity:

- **Periodic Inspection:** Regularly inspect the flange, O-ring, and bolts for any signs of wear, corrosion, or damage. Check for leaks around the connections.
- **O-Ring Replacement:** The O-ring is a critical sealing component. Replace it if it shows signs of cracking, hardening, or compression set, or if leaks are detected.
- **Cleaning:** Keep the exterior of the flange clean from dirt, debris, and fluid residue.
- **Bolt Tightness:** Periodically check the tightness of the bolts securing the meter to the flange. Do not overtighten.

6. Troubleshooting

If you encounter issues with your KIT120FLG meter flange assembly, consider the following:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Fluid Leakage	Damaged or improperly seated O-ring; loose bolts; damaged flange.	Ensure O-ring is correctly positioned and undamaged. Tighten bolts evenly. Inspect flange for cracks or damage; replace if necessary.
Meter not seating properly	Misalignment; debris in connection; damaged threads.	Re-align meter and flange. Clean connection surfaces. Inspect threads for damage.

7. Specifications

Feature	Detail
Model Number	KIT120FLG
Product Type	Mechanical Component (Meter Flange Assembly Kit)
Compatibility	Fill-Rite FR4200 and FR4400 Series Pumps
Flange Size	1-inch
Material	Aluminum
Package Dimensions	4.72 x 3.62 x 3.35 inches (approx. 12.0 x 9.2 x 8.5 cm)
Package Weight	0.324 kg (approx. 11.4 oz)
Country of Origin	United States

8. Warranty and Support

Fill-Rite provides certified OEM parts, ensuring quality and compatibility. For specific warranty information regarding the KIT120FLG or your Fill-Rite pump, please refer to the documentation provided with your original pump purchase or contact Fill-Rite customer support directly.

For technical assistance or to inquire about replacement parts, please visit the official Fill-Rite website or contact their authorized service centers.

Related Documents - KIT120FLG

<div><div>User Manual of Product 1: Fill-Rite SD1202H 12VDC Fuel Transfer Pump with Hose, Manual Assembly, 2 inch Threaded Base, and Bulk In-Storage</div></div>	<div><div>Fill-Rite SD1202H Fuel Transfer Pump: Installation & Operation Instructions</div><div>Comprehensive installation and operating instructions for the Fill-Rite SD1202H 12 Volt DC fuel transfer pump, including parts, wiring diagrams, and safety precautions. Covers models FR1200, FR2400, FR4200, FR4400, FR600, SD1200, SD600.</div></div>
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