

Yellow Jacket 25799

Yellow Jacket 25799 Plus II 1/4" Hose with Flexflow Valve Instruction Manual

INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Yellow Jacket 25799 Plus II 1/4" Hose with Flexflow Valve. Please read this manual thoroughly before operation and retain it for future reference. Adherence to these instructions will ensure proper function and longevity of the product.

PRODUCT OVERVIEW

The Yellow Jacket 25799 Plus II hose is specifically designed for refrigeration and HVAC service applications. It features durable construction and incorporates a convenient Flexflow Valve for enhanced control. Key characteristics and features include:

- The valve handle position clearly indicates whether the valve is in an opened or closed state.
- A flexible hose section positioned between the valve and fitting simplifies access to confined or difficult-to-reach areas.
- UL recognized assemblies (File SA9737) ensure compliance with established safety and performance standards.
- These 1/4" RYB PLUS II hoses are rated for a minimum burst pressure of 4000 psi (276 bar) and a maximum working pressure of 800 psi (55 bar).
- The hose is designed to operate within a temperature range of -20°F to 180°F (-28.8°C to 82.2°C).
- The minimum bending radius for this hose is 6 inches (152mm).



Image: Yellow Jacket 25799 Plus II 1/4" Hose with Flexflow Valve. This image displays the red hose coiled, with brass fittings at both ends and a blue-handled Flexflow valve integrated into the middle section of the hose.

SETUP

Proper setup is crucial for safe and efficient operation. Follow these steps before connecting the hose to any system:

- 1. Visual Inspection:** Prior to each use, carefully inspect the entire length of the hose for any signs of wear, cuts, abrasions, or damage. Examine the fittings for cracks, corrosion, or deformation. Do not use any hose that shows signs of damage.
- 2. Connection Points:** Ensure that all connection points on your manifold gauge set, service ports, or other equipment are clean and free of dirt, debris, or old gasket material.
- 3. Secure Connection:** Connect the appropriate end of the hose to your equipment. Hand-tighten the fittings first, then use a suitable wrench to snug them securely. Avoid excessive force, as over-tightening can damage threads or internal seals.
- 4. Flexflow Valve Position:** Always ensure the Flexflow valve is in the **closed** position before connecting the hose to a pressurized system. This prevents accidental release of refrigerant or sudden pressure changes.

OPERATING INSTRUCTIONS

This hose is designed for use in HVAC/R systems for various processes including charging, evacuation, and recovery.

Using the Flexflow Valve:

- The position of the blue valve handle directly indicates the valve's status.
- To **open** the valve and allow flow, rotate the blue handle until it aligns parallel with the direction of the hose.
- To **close** the valve and stop flow, rotate the blue handle perpendicular to the hose's direction.
- Always ensure the valve is either fully open or fully closed during operation to prevent partial flow, which can lead to inaccurate readings or potential leakage.

General Operation Guidelines:

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working with refrigerants and pressurized systems.
- Adhere to all industry best practices, safety guidelines, and local regulations for refrigerant handling and HVAC/R service.
- Verify that system pressures do not exceed the hose's maximum working pressure of 800 psi (55 bar) at any time.
- After completing your task, close the Flexflow valve, carefully disconnect the hose, and properly store it.

MAINTENANCE

Regular maintenance ensures the reliability and extends the lifespan of your Yellow Jacket hose.

- **Cleaning:** After each use, wipe down the entire hose and its fittings with a clean cloth to remove any dirt, oil, or refrigerant residue.
- **Storage:** Store the hose in a clean, dry environment, away from direct sunlight, extreme temperatures, and corrosive chemicals. Avoid kinking or sharply bending the hose during storage, as this can cause internal damage.
- **Regular Inspection:** Periodically conduct a thorough inspection of the hose for any signs of degradation such as cracks, bulges, hardening, or softening. Inspect the fittings for damage, corrosion, or loose components.
- **Seal Replacement:** If leaks are detected at the hose connections, inspect the internal O-rings or gaskets within the fittings. Replace them with appropriate Yellow Jacket replacement parts as necessary to maintain a leak-free seal.

TROUBLESHOOTING

This section addresses common issues you might encounter and provides solutions.

Problem	Possible Cause	Solution
Refrigerant Leak at Connection	Loose fitting, damaged O-ring or gasket, dirty connection surface.	Ensure fitting is securely tightened. Inspect and replace O-ring or gasket if damaged. Clean connection points thoroughly.

Problem	Possible Cause	Solution
No Flow Through Hose	Flexflow valve is closed, hose is kinked, or an internal obstruction is present.	Open the Flexflow valve. Straighten the hose to remove kinks. Disconnect and inspect for internal obstructions.
Hose Damage (Cracks, Bulges, Abrasions)	Normal wear and tear, exposure to harsh environmental conditions, or exceeding pressure limits.	Immediately discontinue use of the damaged hose. Replace it with a new, compliant hose to ensure safety and prevent refrigerant loss.
Valve Handle Stiff or Hard to Turn	Accumulation of dirt or debris, lack of lubrication.	Clean the valve mechanism. If lubrication is required, consult Yellow Jacket's official guidelines or customer support for recommended lubricants.

SPECIFICATIONS

- **Model:** Yellow Jacket 25799 Plus II 1/4" Hose with Flexflow Valve
- **Hose Length:** 100 feet
- **Hose Diameter:** 1/4 inch
- **Color:** Red
- **Material:** Metal (fittings), Synthetic Rubber (hose)
- **Minimum Burst Pressure:** 4000 psi (276 bar)
- **Maximum Working Pressure:** 800 psi (55 bar)
- **Operating Temperature:** -20°F to 180°F (-28.8°C to 82.2°C)
- **Minimum Bending Radius:** 6 inches (152mm)
- **Certifications:** UL recognized assemblies (File SA9737)
- **Item Weight:** Approximately 0.1 Pounds (1.6 ounces)
- **Manufacturer:** Yellow Jacket
- **UPC:** 686800257990

WARRANTY AND SUPPORT

For specific warranty terms and conditions applicable to your Yellow Jacket 25799 Plus II hose, please refer to the documentation included with your original purchase. Warranty details can also typically be found on the official Yellow Jacket website.

For technical assistance, inquiries regarding replacement parts, or any service-related questions, please contact Yellow Jacket customer service directly. Their official website will provide the most current contact information.

Manufacturer: Yellow Jacket

Website: Please visit the official Yellow Jacket website for support resources.

