Yellow Jacket 95760

Yellow Jacket 95760 Refrigerant Recovery Machine User Manual

Model: 95760 | Brand: Yellow Jacket

Introduction

This user manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of the Yellow Jacket 95760 Refrigerant Recovery Machine. This machine is designed for the recovery of various refrigerants from HVAC/R systems. Please read this manual thoroughly before operating the unit to ensure proper usage and to prevent damage or injury.

Safety Information

Always observe the following safety precautions when operating the Yellow Jacket 95760 Refrigerant Recovery Machine:

- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling refrigerants.
- Ensure adequate ventilation in the work area to prevent the accumulation of refrigerant vapors.
- Do not mix different refrigerants in the same recovery tank.
- Always use a recovery tank that is rated for the refrigerant being recovered and is not overfilled.
- Disconnect power before performing any maintenance or service.
- Refer to local and national regulations regarding refrigerant handling and disposal.

Product Overview

The Yellow Jacket 95760 is a compact and powerful refrigerant recovery machine. Below is an illustration of the unit with its key components:

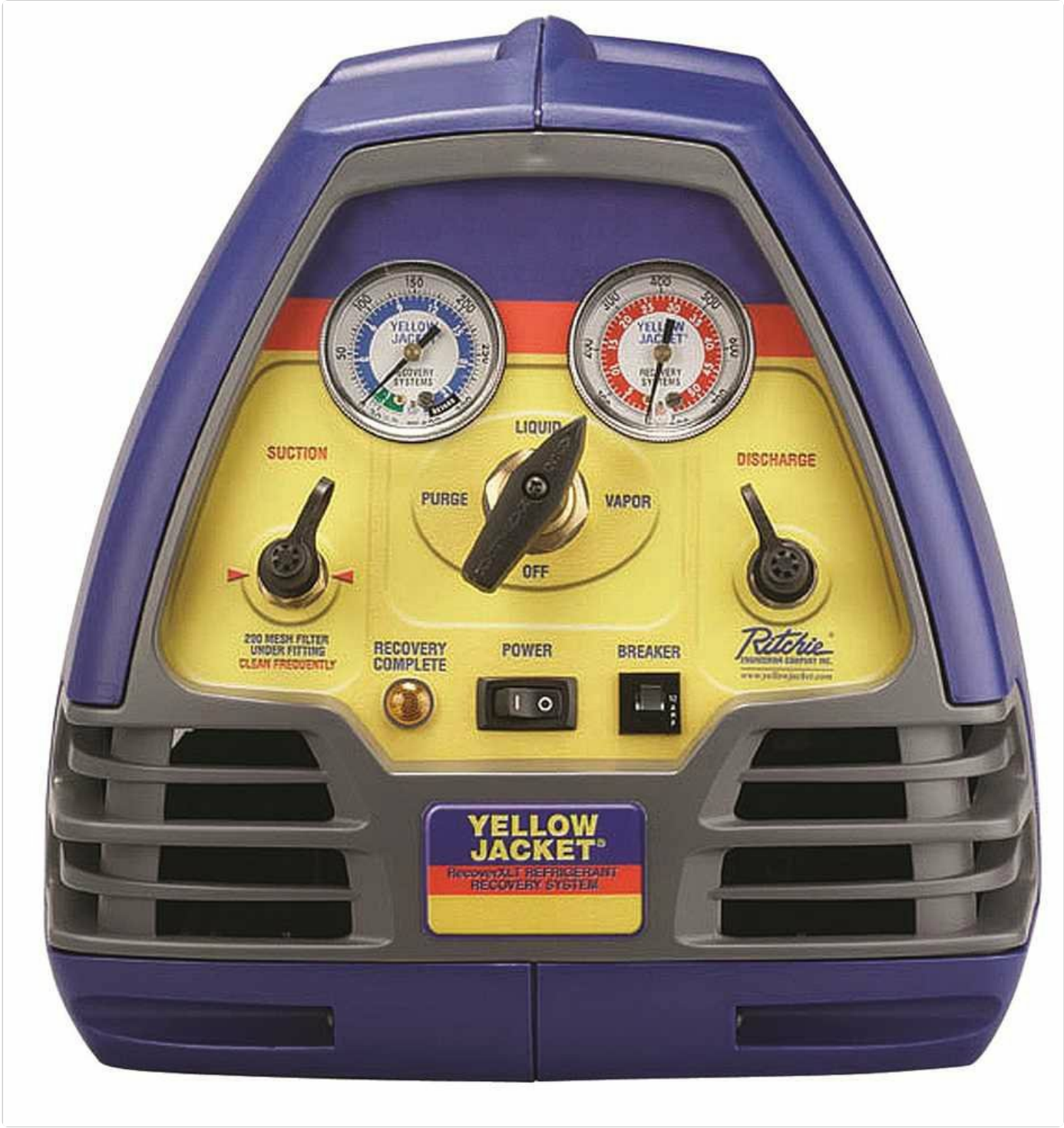

Figure 1: Front Panel of the Yellow Jacket 95760 Recovery Machine.

This image displays the front control panel of the Yellow Jacket 95760 Refrigerant Recovery Machine. Visible components include the blue and red pressure gauges for suction and discharge, respectively. Below the gauges are the main control knob with settings for LIQUID, PURGE, OFF, and VAPOR. To the left, there is a SUCTION port connection, and to the right, a DISCHARGE port connection. At the bottom center, there is a yellow "RECOVERY COMPLETE" indicator light, a "POWER" switch (I/O), and a "BREAKER" switch. The front also features a label for "YELLOW JACKET RecoverXLT REFRIGERANT RECOVERY SYSTEM" and a note about a "200 MESH FILTER UNDER FITTING CLEAN FREQUENTLY".

Key Components:

- **Suction Gauge:** Indicates suction pressure during recovery.
- **Discharge Gauge:** Indicates discharge pressure during recovery.
- **Main Control Knob:** Selects operation mode (Liquid, Purge, Off, Vapor).
- **Suction Port:** Connection point for refrigerant intake.

- **Discharge Port:** Connection point for refrigerant output to recovery tank.
- **Recovery Complete Indicator:** Illuminates when recovery is finished.
- **Power Switch:** Turns the unit on/off.
- **Breaker Switch:** Overload protection for the unit.
- **200 Mesh Filter:** Located under the suction fitting, requires frequent cleaning.

Setup

Before operating the recovery machine, ensure proper setup:

1. Place the recovery machine on a stable, level surface in a well-ventilated area.
2. Connect the appropriate refrigerant hoses to the system being recovered and to the recovery machine's SUCTION port.
3. Connect a separate refrigerant hose from the machine's DISCHARGE port to the designated recovery tank. Ensure the recovery tank is empty or has sufficient capacity and is rated for the refrigerant type.
4. Verify all connections are tight to prevent leaks.
5. Plug the machine into a grounded 115V AC power outlet.

Operating Instructions

Refrigerant Recovery (Vapor Phase):

1. Ensure the main control knob is set to **VAPOR**.
2. Open the valves on the system and the recovery tank.
3. Turn on the machine by pressing the **POWER** switch to 'I'.
4. Monitor the suction gauge. Recovery is complete when the gauge reads 0 PSI or a deep vacuum is achieved, and the **RECOVERY COMPLETE** indicator illuminates.
5. Once recovery is complete, close the valves on the system and the recovery tank.
6. Turn off the machine by pressing the **POWER** switch to 'O'.

Refrigerant Recovery (Liquid Phase):

1. Ensure the main control knob is set to **LIQUID**.
2. Follow steps 2-6 from the Vapor Phase Recovery. The machine will recover liquid refrigerant more quickly.

Purging the Machine:

After recovery, it is recommended to purge the machine to remove any residual refrigerant.

1. With the machine off and connected to an empty recovery tank, set the main control knob to **PURGE**.
2. Turn on the machine. The machine will self-purge any remaining refrigerant into the recovery tank.
3. Allow the machine to run until the suction gauge reads 0 PSI.
4. Turn off the machine and disconnect hoses.

Maintenance

Regular maintenance ensures optimal performance and longevity of your recovery machine:

- **200 Mesh Filter Cleaning:** The 200 mesh filter located under the suction fitting should be cleaned frequently. Disconnect power, unscrew the fitting, remove the filter, clean it with a suitable solvent, and reinstall.
- **General Cleaning:** Wipe down the exterior of the machine with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Hose Inspection:** Regularly inspect refrigerant hoses for cracks, wear, or damage. Replace damaged hoses immediately.
- **Storage:** Store the machine in a clean, dry environment when not in use.

Troubleshooting

Problem	Possible Cause	Solution
Machine does not power on.	No power to outlet; Power switch off; Breaker tripped.	Check power supply; Ensure power switch is 'I'; Reset BREAKER switch.
Slow recovery rate.	Clogged 200 mesh filter; Partially closed valves; Kinked hoses; System pressure too low.	Clean 200 mesh filter; Fully open all valves; Straighten hoses; Ensure adequate system pressure.
Machine cycles on/off frequently.	Overheating; High discharge pressure.	Allow machine to cool; Ensure recovery tank is not overfilled or too warm; Check for blockages in discharge line.
Refrigerant leaks.	Loose connections; Damaged hoses or O-rings.	Tighten all fittings; Inspect and replace damaged hoses or O-rings.

Specifications

Feature	Detail
Model Number	95760
Brand	Yellow Jacket
Motor HP	1/2 hp
Voltage	115 V
Electrical Connections	NEMA 5-15p Male Plug
Hose Connection	1/4 in Male
Operating Temperature Range	40°F to 120°F (4°C to 49°C)
Compressor Type	Oilless
Product Dimensions	15 x 12 x 21 inches

Feature	Detail
Item Weight	28 pounds
Date First Available	May 24, 2007

Warranty and Support

For warranty information, technical support, or service inquiries regarding your Yellow Jacket 95760 Refrigerant Recovery Machine, please refer to the official Yellow Jacket website or contact their customer service department. The product typically includes an instruction guide, and a PDF user manual is also available online for detailed reference.
You can find additional resources and contact information on the manufacturer's official website:www.yellowjacket.com

Related Documents - 95760

	Yellow Jacket RecoverXLT and RecoverX Refrigerant Recovery Machines Comprehensive guide to Yellow Jacket's RecoverXLT and RecoverX refrigerant recovery machines, detailing features, specifications, operation, and comparison charts for HVAC/R professionals.
	Yellow Jacket HVAC/R Charging Systems & Diagnostic Tools Catalog This catalog showcases Yellow Jacket's comprehensive range of HVAC/R charging systems and diagnostic tools, including the YJACK™ Series wireless sensors, P51 TITAN® Digital Manifolds, ManTooth® Wireless Gauges, and various BRUTE II® and Series 41 manifolds. The products are designed for accurate measurements, efficient system analysis, and enhanced user experience in HVAC/R applications.
	Yellow Jacket TitanMax Digital Manifold - Features and Specifications Explore the Yellow Jacket TitanMax Digital Manifold, a 4-valve system offering fast and accurate measurements for refrigeration and A/C systems. Features include a high-resolution touchscreen, wireless connectivity via Bluetooth to YJACK VIEW® and measureQuick® apps, on-board data logging, and compatibility with A2L refrigerants.
	YELLOW JACKET TITANMAX™ User Manual Comprehensive user manual for the YELLOW JACKET TITANMAX™ digital manifold, detailing its features, operation, settings, maintenance, and troubleshooting for HVAC professionals. Includes model numbers P/N 40880, 40881, 40885, 40887.

	[Yellow Jacket TITANMAX™ Digital Manifold Quick Start Guide] Quick start guide for the Yellow Jacket TITANMAX™ Digital Manifold, covering setup, connections, main features, and settings for HVAC technicians. Learn how to power on, connect probes, navigate menus, and configure settings for pressure, temperature, vacuum, and psychrometric measurements.
	[Yellow Jacket Series 41 Digital Manifold Quick Start Guide] A quick start guide for the Yellow Jacket Series 41 Digital Manifold, detailing its key functions, operation modes, unit settings, battery capacity, and supported refrigerants.