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> [Yellow Jacket](#) /

> Yellow Jacket 93580 Superevac Vacuum Pump User Manual

## Yellow Jacket GID-296818

# Yellow Jacket 93580 Superevac Vacuum Pump User Manual

Model: GID-296818 | Brand: Yellow Jacket

## 1. INTRODUCTION AND PRODUCT OVERVIEW

The Yellow Jacket 93580 Superevac Vacuum Pump is a robust and efficient tool designed for professional use in various applications requiring deep vacuum. This 8 CFM (Cubic Feet per Minute) pump is engineered for reliable performance and durability, manufactured in the USA.

Key features include its high CFM rating for fast evacuation, durable construction, and ease of maintenance. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your vacuum pump.



Image: The Yellow Jacket 93580 Superevac Vacuum Pump, a silver-colored unit with a black motor housing and a black handle, designed for efficient vacuum operations.

Please read this manual thoroughly before operating the pump to ensure proper usage and to prevent damage or injury.

## 2. SETUP AND INITIAL PREPARATION

### 2.1 Unpacking and Inspection

Carefully remove the vacuum pump from its packaging. Inspect the unit for any signs of shipping damage, such as dents, cracks, or oil leaks. If any damage is observed, do not operate the pump and contact your supplier immediately. Note that some packaging may show signs of oil residue if the pump was shipped with a small amount of oil, which is not uncommon. However, significant leaks should be reported.

### 2.2 Oil Filling and Level Check

The vacuum pump requires specific vacuum pump oil for proper operation. Ensure the pump is on a level surface before checking or adding oil.

1. Locate the oil fill cap and the oil sight glass on the pump.
2. Remove the oil fill cap.
3. Slowly pour Yellow Jacket SuperEvac Pump Oil into the fill port until the oil level is visible in the sight glass and reaches the indicated fill line. Do not overfill.
4. Replace the oil fill cap securely.

## 2.3 Electrical Connection

Connect the pump to a grounded electrical outlet with the correct voltage as specified on the pump's rating label. Ensure the power switch is in the "OFF" position before plugging in the unit.

## 3. OPERATING INSTRUCTIONS

### 3.1 Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when operating the pump.
- Ensure the work area is well-ventilated.
- Do not operate the pump in wet conditions or near flammable materials.
- Avoid direct contact with vacuum pump oil, especially when hot.

### 3.2 Basic Operation

1. Ensure the oil level is correct.
2. Connect the vacuum pump to the system to be evacuated using appropriate vacuum hoses and fittings. Ensure all connections are tight to prevent leaks.
3. Open any valves on the system to allow for evacuation.
4. Turn the pump's power switch to the "ON" position. The pump will begin to operate and pull a vacuum.
5. Monitor the vacuum gauge (if equipped) or an external micron gauge to track the evacuation progress.
6. Once the desired vacuum level is achieved, close the system's valves before turning off the pump.
7. Turn the pump's power switch to the "OFF" position and disconnect it from the power source.
8. Disconnect the vacuum hoses from the pump.

### 3.3 Gas Ballast Valve (if applicable)

Some models may include a gas ballast valve. This valve helps to prevent condensation of water vapor within the pump by introducing a small amount of atmospheric air. Consult your specific model's features for proper use of the gas ballast valve during evacuation of systems with high moisture content.

## 4. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your Yellow Jacket vacuum pump.

## 4.1 Oil Change

Vacuum pump oil should be changed regularly, especially after each use or if it appears cloudy, discolored, or contaminated. Contaminated oil can significantly reduce pump performance and lifespan.

1. Ensure the pump is warm (run for a few minutes) to allow oil to drain easily.
2. Place a suitable container under the oil drain plug.
3. Remove the oil drain plug and the oil fill cap to allow air to enter and facilitate draining.
4. Allow all old oil to drain completely. Dispose of used oil responsibly according to local regulations.
5. Replace the oil drain plug securely.
6. Refill with new, clean Yellow Jacket SuperEvac Pump Oil as described in Section 2.2.

## 4.2 Cleaning

Keep the exterior of the pump clean and free of dust and debris. Use a damp cloth for cleaning. Do not use harsh chemicals or solvents that could damage the pump's finish or components.

## 4.3 Storage

When not in use, store the vacuum pump in a clean, dry environment. Ensure the oil level is correct before storage. It is recommended to cap all ports to prevent contaminants from entering the pump.

# 5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your vacuum pump. For problems not listed here, or if solutions do not resolve the issue, contact Yellow Jacket customer support.

Problem	Possible Cause	Solution
Pump not starting or running	No power; faulty power cord; motor issue.	Check power connection and outlet. Inspect power cord for damage. If issues persist, seek professional service.
Pump not pulling adequate vacuum	Low or contaminated oil; system leaks; clogged intake filter; worn pump components.	Change oil. Check all system connections for leaks. Clean or replace intake filter. If vacuum remains low, internal inspection by a qualified technician may be required.
Oil leaking from pump	Loose drain plug or fill cap; damaged seals or gaskets; cracked housing.	Ensure drain plug and fill cap are tight. Inspect seals and gaskets for damage and replace if necessary. If housing is cracked, the pump may require repair or replacement.
Excessive noise or vibration	Low oil level; worn bearings; internal damage.	Check and correct oil level. If noise persists, professional inspection is recommended.

# 6. SPECIFICATIONS

The following are the technical specifications for the Yellow Jacket 93580 Superevac Vacuum Pump:

<b>Brand</b>	Yellow Jacket
<b>Model Number</b>	GID-296818
<b>ASIN</b>	B000R8JVIM
<b>UPC</b>	686800935805
<b>Product Dimensions</b>	19 x 8.25 x 13 inches
<b>Item Weight</b>	12.3 Pounds
<b>Material</b>	Aluminum
<b>Manufacturer</b>	Yellow Jacket
<b>Date First Available</b>	May 24, 2007
<b>CFM Rating</b>	8 CFM

## 7. WARRANTY INFORMATION

Yellow Jacket products typically come with a manufacturer's warranty. For the Yellow Jacket 93580 Superevac Vacuum Pump, a 2-year manufacturer's warranty is generally provided, covering defects in materials and workmanship.

*Important Note:* Warranty terms and conditions can vary based on the point of purchase and region. It is highly recommended to retain your proof of purchase and register your product with Yellow Jacket if applicable. For specific warranty details, claims, or to verify coverage, please refer to the official warranty documentation included with your product or contact Yellow Jacket directly. Purchases made through unauthorized resellers or certain online marketplaces may affect warranty eligibility; always verify warranty terms with your seller at the time of purchase.

## 8. CUSTOMER SUPPORT

For technical assistance, service, or parts inquiries regarding your Yellow Jacket 93580 Superevac Vacuum Pump, please contact Yellow Jacket customer support. You can typically find contact information on the manufacturer's official website or within the product packaging.

When contacting support, please have your product model number (GID-296818) and serial number (if applicable) ready to expedite assistance.

*Note on Videos:* No official product videos from the manufacturer or seller are available for embedding in this manual at this time.

