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## FESTO VN-07-H-T2-PQ1-VQ1-RO1

# FESTO Vacuum Generator VN-07-H-T2-PQ1-VQ1-RO1 User Manual

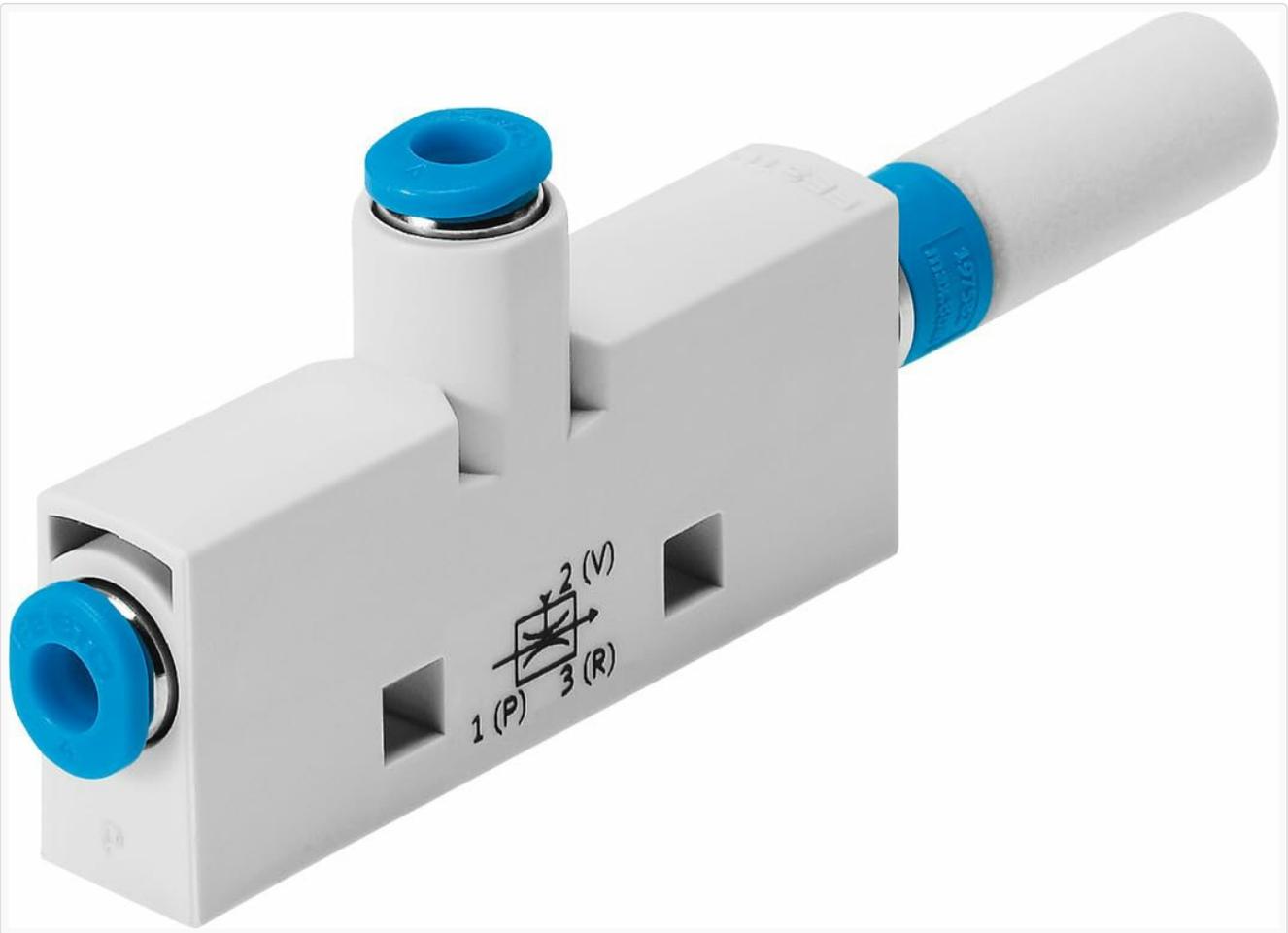
Model: VN-07-H-T2-PQ1-VQ1-RO1 | Part Number: 193570

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient use of the FESTO Vacuum Generator, Model VN-07-H-T2-PQ1-VQ1-RO1. Please read this manual thoroughly before installation, operation, or maintenance to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

## 2. PRODUCT OVERVIEW

The FESTO Vacuum Generator VN-07-H-T2-PQ1-VQ1-RO1 is a compact and efficient device designed for generating vacuum in pneumatic systems. It operates on the ejector principle, converting compressed air into a vacuum for various industrial applications.



An image showing the FESTO Vacuum Generator VN-07-H-T2-PQ1-VQ1-RO1. The device is white with blue push-in fittings at both ends and a white cylindrical muffler on one side. A pneumatic symbol is visible on the side of the main body, indicating its function.

### 3. SAFETY INFORMATION

Always observe general safety regulations for pneumatic systems. Failure to follow these instructions may result in equipment damage or personal injury.

- Ensure the compressed air supply is disconnected before performing any installation or maintenance.
- Verify that all connections are secure and leak-free.
- Do not exceed the maximum operating pressure specified for the device.
- Wear appropriate personal protective equipment (PPE) when working with pneumatic systems.
- Only qualified personnel should install, operate, and maintain this equipment.

### 4. SETUP AND INSTALLATION

Before installation, carefully check the model and product number to ensure it matches your requirements. This product is an original FESTO component.

1. **Mounting:** Securely mount the vacuum generator in a suitable location within your pneumatic system.
2. **Compressed Air Connection (P):** Connect the compressed air supply line to the designated 'P' port. Ensure the air supply is clean, dry, and regulated to the appropriate pressure.
3. **Vacuum Connection (V):** Connect the vacuum line to the 'V' port, leading to the application requiring vacuum.
4. **Exhaust Connection (R):** The exhaust port, typically fitted with a muffler, should be clear of obstructions to allow proper air discharge.
5. **Leak Check:** After all connections are made, slowly apply compressed air and check for any leaks using a

suitable method (e.g., leak detection spray).

## 5. OPERATION

The vacuum generator operates by supplying compressed air to the 'P' port. This air flows through an ejector nozzle, creating a low-pressure zone that draws air from the 'V' port, thereby generating a vacuum. The exhausted air is discharged through the 'R' port, typically muffled.

- Ensure the compressed air supply is within the specified operating pressure range.
- Monitor the vacuum level at the 'V' port to confirm it meets application requirements.
- Regularly check the muffler for any signs of clogging, which can reduce performance.

## 6. MAINTENANCE

To ensure optimal performance and longevity of your FESTO Vacuum Generator, adhere to the following maintenance guidelines:

- **Regular Inspection:** Periodically inspect all pneumatic connections for wear, damage, or leaks.
- **Muffler Cleaning/Replacement:** The muffler can become clogged over time, reducing vacuum efficiency. Clean or replace the muffler as needed.
- **Air Quality:** Ensure the compressed air supply is consistently clean and dry to prevent internal contamination of the generator.
- **Component Replacement:** If any part of the vacuum generator appears damaged or is not functioning correctly, replace it with genuine FESTO spare parts.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with the vacuum generator.

Problem	Possible Cause	Solution
No vacuum generated	No compressed air supply; Clogged ejector nozzle; Leak in vacuum line.	Check air supply and pressure; Inspect/clean nozzle; Check all vacuum connections.
Low vacuum level	Insufficient compressed air pressure; Clogged muffler; Leak in vacuum system.	Increase air pressure (within limits); Clean/replace muffler; Inspect vacuum lines and fittings.
Excessive air consumption	Internal damage; Incorrect operating pressure.	Contact support for inspection; Adjust air pressure to recommended levels.

## 8. TECHNICAL SPECIFICATIONS

- **Manufacturer:** FESTO
- **Model Number:** VN-07-H-T2-PQ1-VQ1-RO1
- **Part Number:** 193570
- **ASIN:** B0CRHHHBTS
- **Package Dimensions:** 11.81 x 11.81 x 11.81 inches
- **Item Weight:** 10.58 ounces
- **Date First Available:** January 4, 2024

## 9. WARRANTY AND SUPPORT

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This FESTO product is supplied as an original, brand new item. For specific warranty details or technical support, please refer to the official FESTO documentation or contact your authorized FESTO distributor or reseller. If you require assistance in identifying the correct product or have specific service inquiries, please reach out to your supplier for guidance and pricing information.

