Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Vikye 4H230-08

Pneumatic Manual Control Valve

Instruction Manual

Model: 4H230-08 | Brand: Vikye

1. Introduction

Thank you for choosing the Vikye 4H230-08 Pneumatic Manual Control Valve. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your valve. Please read this manual thoroughly before use and retain it for future reference.

2. Product Overview

The Vikye 4H230-08 is a 5-port, 3-position hand lever operated pneumatic control valve designed to manage the flow, pressure, and direction of air in pneumatic systems. It is constructed from high-quality metal, ensuring durability and reliable performance.

Key Features:

- High hardness and resistance material construction.
- Controls air pressure, flow, and direction for pneumatic actuators.
- Compact structure with high tightness connections.
- Compact size and lightweight design.
- Good sealing performance.
- Stable performance for industrial control systems.



Figure 2.1: Top-down view of the Vikye 4H230-08 Pneumatic Manual Control Valve, showing the hand lever and port labels.



Figure 2.2: Angled view of the valve, emphasizing its compact and robust design, highlighting features such as strong structure, long service life, ease of installation, stable performance, and good sealing.

3. Setup and Installation

Proper installation is crucial for the valve's performance and longevity. Ensure all connections are secure and sealed to prevent air leaks.

Installation Steps:

1. **Preparation:** Ensure the air supply is turned off and depressurized before beginning installation.
2. **Mounting:** Securely mount the valve in the desired location using appropriate fasteners. Ensure it is stable and free from excessive vibration.
3. **Connecting Inlet:** Connect the main air supply line to the inlet port (P). The inlet connection size is PT1/4 (0.25

Inches NPT).

4. **Connecting Outlets:** Connect the lines to your pneumatic actuators or other components to the outlet ports (A and B).
5. **Connecting Exhaust:** Connect exhaust lines to the exhaust ports (R and S). The exhaust connection size is G1/8 (0.13 Inches NPT).
6. **Leak Check:** After all connections are made, slowly restore air pressure and check for any leaks using a soapy water solution. Tighten connections as necessary.



Figure 3.1: Close-up view of the valve's ports, clearly showing the threaded connections for inlet (P), outlets (A, B), and exhaust (R, S).



Figure 3.2: The pneumatic valve connected to a double-acting pneumatic cylinder, illustrating a typical application setup with air lines attached to the valve's ports and the cylinder.

4. Operating Instructions

The 4H230-08 is a 5-port, 3-position valve, meaning it has five connection ports and the hand lever can be set to three distinct positions to control air flow.

Lever Positions:

- **Position 1 (Left):** In this position, air flows from port P to port A, while port B is exhausted through port S.
- **Position 2 (Center):** This is the neutral or closed position. All ports are typically blocked, stopping air flow to the actuators and holding their position.
- **Position 3 (Right):** In this position, air flows from port P to port B, while port A is exhausted through port R.

To operate, simply move the hand lever to the desired position. The valve is designed for a maximum operating pressure of 0.8 MPa (800 Kilopascal).



Figure 4.1: Angled view of the valve, clearly showing the hand lever in a central position, ready for operation.

5. Maintenance

Regular maintenance ensures the longevity and reliable operation of your pneumatic valve.

Maintenance Guidelines:

- **Cleanliness:** Keep the valve and surrounding area clean. Dust and debris can affect performance.
- **Leak Inspection:** Periodically check all connections for air leaks. Address any leaks promptly by tightening fittings or replacing seals if necessary.

- **Lubrication:** Ensure that the air supply is properly filtered and lubricated if required by your pneumatic system design. This valve typically operates with lubricated air.
- **Visual Inspection:** Regularly inspect the valve for any signs of wear, damage, or corrosion.
- **Operating Environment:** Ensure the valve operates within its specified temperature and pressure ranges.

Always depressurize the system before performing any maintenance or inspection.

6. Troubleshooting

This section provides solutions to common issues you might encounter.

Common Issues and Solutions:

Problem	Possible Cause	Solution
Air Leakage	Loose fittings, damaged seals, incorrect thread sealant.	Tighten connections, replace seals/O-rings, apply appropriate thread sealant.
Valve Not Shifting	Insufficient air pressure, debris in valve, damaged internal components.	Check air supply pressure, clean valve (if safe to do so), inspect for damage.
Slow Response	Low air pressure, restricted air flow, excessive friction.	Verify air pressure, check for kinks/blockages in lines, ensure proper lubrication.
Excessive Noise	Loose mounting, worn components, pressure fluctuations.	Secure mounting, inspect for wear, stabilize air pressure.

If the problem persists after attempting these solutions, please contact customer support.

7. Specifications

Detailed technical specifications for the Vikye 4H230-08 Pneumatic Manual Control Valve.

Specification	Value
Model Number	4H230-08
Brand	Vikye
Valve Type	Manual Control Valve (5 Port 3 Position)
Material	Metal
Maximum Operating Pressure	0.8 MPa (800 Kilopascal)
Inlet Connection Size	PT1/4 (0.25 Inches)
Inlet Connection Type	NPT
Outlet Connection Size	G1/8 (0.13 Inches)

Specification	Value
Outlet Connection Type	NPT
Number of Ports	5
Product Dimensions (L x W x H)	3.94 x 3.15 x 3.15 inches
Item Weight	4.23 ounces
Manufacturer	Vikye
Country of Origin	China

8. Warranty and Support

Vikye is committed to providing high-quality products and excellent customer service.

Warranty Information:

This product comes with a standard manufacturer's warranty. Please refer to the product packaging or the official Vikye website for specific warranty terms and conditions.

Customer Support:

For technical assistance, troubleshooting, or warranty claims, please contact Vikye customer support through the retailer where the product was purchased or visit the official Vikye website for contact information.

© 2024 Vikye. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B07V46ZRXS

More documents and user manuals: **https://manuals.plus/**