

Shanrya Shanryawhkcduda63i5073

Shanrya Pressure Regulator Valve Part Instruction Manual

Model: Shanryawhkcduda63i5073

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Shanrya Pressure Regulator Valve Part. This component is designed to connect air compressors and air pressure switches, facilitating the connection of the entire air pressure system. It is compatible with M5, G1/4, and G1/8 connection types.

2. SAFETY INFORMATION

- Always ensure the air system is depressurized before attempting installation, removal, or maintenance.
- Wear appropriate personal protective equipment (PPE), including eye protection, during installation and operation.
- Do not overtighten connections, as this may damage the threads or the component itself. Refer to recommended torque specifications if available for your specific air system.
- Verify that all connections are secure and leak-free before operating the air system.
- Ensure the component's specifications match the requirements of your air system.

3. PACKAGE CONTENTS

The package includes the following items:

- 1 x Pressure Regulator Valve Fit Part

4. PRODUCT OVERVIEW AND COMPONENTS

The Shanrya Pressure Regulator Valve Part is constructed from a durable aluminum alloy, offering a lightweight yet strong solution for air system connections. It features multiple ports for versatile integration into various pneumatic setups. The central orange knob allows for pressure adjustment.



Figure 1: Top-down view of the Pressure Regulator Valve Part, showing the central orange adjustment knob and multiple connection ports.



Figure 2: Angled view of the Pressure Regulator Valve Part, illustrating the arrangement of threaded ports and the pressure regulator.



Figure 3: Detailed diagram indicating the thread diameters and types (M5, G1/4, G1/8) for each connection point on the valve part.



Figure 4: Overall dimensions of the Pressure Regulator Valve Part, measuring 102mm (4.02in) in width and 181mm (7.13in) in length.

5. SETUP AND INSTALLATION

Before installation, ensure that the appropriate size and thread type (M5, G1/4, or G1/8) are matched to your existing air compressor and pressure switch components. Incorrect sizing can lead to leaks or damage.

1. **Depressurize System:** Turn off the air compressor and release all pressure from the system before beginning any work.
2. **Identify Connection Points:** Locate the connection points on your air compressor and pressure switch where this part will be installed.
3. **Thread Preparation:** Apply appropriate thread sealant (e.g., PTFE tape) to the male threads of your air system components before connecting them to the valve part.
4. **Connect Components:** Carefully thread the air compressor and pressure switch components into the corresponding ports on the Shanrya Pressure Regulator Valve Part. Hand-tighten first to avoid cross-

threading.

- 5. **Secure Connections:** Using a suitable wrench, gently tighten the connections. Avoid excessive force to prevent damage to the aluminum alloy threads.
- 6. **Leak Check:** Once all connections are secure, slowly repressurize the air system and check for any air leaks using a soapy water solution. Bubbles indicate a leak. If leaks are detected, depressurize the system and re-tighten the affected connection.

6. OPERATING INSTRUCTIONS

The integrated pressure regulator allows for adjustment of the output air pressure. To operate:

- 1. **Adjust Pressure:** Rotate the orange knob on the regulator to increase or decrease the desired output pressure. Turning clockwise typically increases pressure, while counter-clockwise decreases it.
- 2. **Monitor Pressure:** If your system includes a pressure gauge connected to this manifold, monitor the gauge while adjusting to achieve the precise pressure setting required for your tools or application.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of the pressure regulator valve part.

- **Inspect for Leaks:** Periodically check all connections for air leaks, especially after heavy use. Address any leaks promptly.
- **Clean Exterior:** Keep the exterior of the component clean from dust and debris. Use a soft, dry cloth. Avoid harsh chemicals that may damage the aluminum finish.
- **Check for Damage:** Inspect the component for any signs of physical damage, cracks, or excessive wear. Replace the part if any significant damage is observed.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Air leaks at connections	Loose connection, insufficient thread sealant, damaged threads.	Depressurize system, re-tighten connections, reapply thread sealant, or replace if threads are damaged.
Inconsistent pressure output	Regulator malfunction, debris in regulator.	Ensure regulator knob is properly adjusted. If problem persists, the regulator may need replacement.
Part does not fit	Incorrect thread size or model.	Verify the thread specifications (M5, G1/4, G1/8) against your system's requirements. Ensure the correct part was ordered.

9. SPECIFICATIONS

Feature	Specification
Item Type	Pressure Regulator Valve Fit Part

Feature	Specification
Material	Aluminum alloy
Connection Hole Screw Hole Models	M5, G1/4, G1/8
Purpose	Connecting bracket for air compressor and air pressure switch, used to connect air pressure system
Item Weight	10.2 ounces
Package Dimensions	9.13 x 5.91 x 3.31 inches
Manufacturer Part Number	Shanryawhkcdue63i5073

10. WARRANTY INFORMATION

Specific warranty details for this product are not provided in the available information. Please refer to the retailer or manufacturer's official website for any applicable warranty terms and conditions.

11. SUPPORT AND CONTACT

For technical assistance, product inquiries, or support, please contact the manufacturer or your point of purchase. Contact information is typically available on the product packaging or the official brand website.