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NIBCO GIDDS-290849

NIBCO 1-1/2 IPS Full Port Ball Valve Instruction Manual

Model: GIDDS-290849

INTRODUCTION

Welcome and thank you for choosing the NIBCO 1-1/2 IPS Full Port Ball Valve. This manual provides essential information for the safe and effective installation, operation, and maintenance of your valve. Please read these instructions thoroughly before installation or use to ensure proper function and longevity of the product.

PRODUCT OVERVIEW

The NIBCO 1-1/2 IPS Full Port Ball Valve is designed for reliable flow control in various applications. It features a two-piece body construction and is made from durable brass, ensuring robust performance. The full port design minimizes pressure drop when the valve is fully open.



Image of the NIBCO 1-1/2 IPS Full Port Ball Valve with a white handle, showing the brass body and threaded connections.



Alternate view of the NIBCO 1-1/2 IPS Full Port Ball Valve, featuring a blue handle and brass construction.

SAFETY INFORMATION

WARNING: This product contains DEHP, Lead, and/or other chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always handle with care and follow local safety regulations.

- Always wear appropriate personal protective equipment (PPE), such as gloves and eye protection, during installation and maintenance.
- Ensure the system is completely depressurized and drained before attempting to install, remove, or service the valve.
- Follow all applicable local plumbing codes, building codes, and safety regulations during installation and operation.
- Do not exceed the maximum pressure or temperature ratings specified for this valve.

INSTALLATION INSTRUCTIONS

Proper installation is crucial for the safe and effective operation of your NIBCO ball valve. Follow these steps carefully:

1. **Preparation:** Ensure the piping system is clean and free of any debris, dirt, or foreign objects that could interfere with valve operation or cause leaks. Verify that the valve size (1-1/2 IPS) matches the pipe size.
2. **Thread Sealing:** Apply an appropriate thread sealant, such as PTFE tape or pipe dope, to the male pipe threads. Ensure complete coverage for a watertight seal.
3. **Connection:** Thread the valve onto the pipe by hand until it is snug. Then, use a wrench on the valve body flats to tighten it securely. Avoid overtightening, which can damage threads or the valve body. Do not use the valve handle for leverage during installation, as this can damage the stem or internal components.
4. **Orientation:** Install the valve in the desired flow direction. NIBCO full port ball valves are typically bi-directional, but proper orientation for easy access to the handle and operation is recommended.
5. **Leak Check:** After installation, slowly pressurize the system and carefully check all connections for any signs of leakage. Address any leaks immediately before full system operation.

OPERATING THE VALVE

The NIBCO Full Port Ball Valve is designed for simple and reliable operation by rotating the handle.

- **Open Position:** To open the valve and allow full flow, rotate the handle 90 degrees so it is aligned parallel with the pipeline.
- **Closed Position:** To close the valve and stop flow, rotate the handle 90 degrees so it is perpendicular to the pipeline.

The full port design ensures minimal pressure drop and maximum flow capacity when the valve is fully open.

Maintenance

NIBCO ball valves are engineered for long-term, maintenance-free operation under normal conditions. However, periodic inspection is recommended.

- **Regular Inspection:** Periodically inspect the valve for any visible signs of leakage, corrosion, or physical damage to the body or handle.
- **Cleaning:** Keep the exterior of the valve clean. Avoid using harsh chemicals or abrasive cleaners that may damage the brass finish.
- **Lubrication:** No internal lubrication is typically required for the ball and seat mechanism during the valve's service life.
- **Storage:** If the valve is to be stored before installation, keep it in a dry, protected environment away from extreme temperatures, direct sunlight, and corrosive substances.

Troubleshooting

This section addresses common issues you might encounter with your NIBCO ball valve and provides potential solutions.

Problem	Possible Cause	Solution
Leakage at connections	Improper thread sealant application, insufficient tightening, damaged pipe threads	Depressurize system, reapply thread sealant, retighten connections, inspect threads for damage and repair if necessary.
Valve difficult to turn	Debris lodged in valve, infrequent operation, corrosion	Cycle valve several times to dislodge debris. If problem persists, flush system if possible. Inspect for internal damage if accessible.
Incomplete shut-off	Debris lodged in valve seat, worn internal components	Cycle valve to attempt to dislodge debris. If the problem persists, the valve may need replacement.

Specifications

- **Model Number:** GIDDS-290849
- **Size:** 1-1/2 inches
- **Material:** Brass
- **Exterior Finish:** Brass
- **Inlet Connection Type:** Full Port
- **Item Weight:** 1.61 pounds

- **Product Dimensions (L x W x H):** 1 x 1 x 1 inches
- **Style:** Ball Valve
- **Usage:** Commercial
- **Manufacturer:** NIBCO
- **UPC:** 039923347411

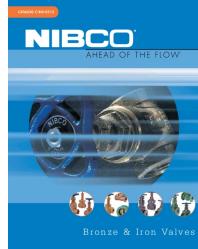
WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or to inquire about replacement parts, please contact NIBCO directly or refer to their official website. When contacting support, please have your purchase receipt and the model number (GIDDS-290849) readily available for faster service.

NIBCO Official Website: www.nibco.com

Related Documents - GIDDS-290849

	<p><u>NIBCO Valve Installation Tips: Soldering, Brazing, Threading, and Flanged Connections</u></p> <p>Comprehensive guide from NIBCO on best practices for installing valves, covering soldering, silver brazing, pipe threading, and flanged joint assembly. Includes tips on chemical compatibility and galvanic corrosion.</p>
	<p><u>Belimo Retrofit Solutions Technical Documentation</u></p> <p>Comprehensive technical documentation from Belimo detailing retrofit solutions for HVAC actuators, including damper and valve replacements, fire and smoke actuator compatibility, and selection guides for various manufacturers.</p>
	<p><u>Division 23: Heating, Ventilating, and Air-Conditioning Specifications</u></p> <p>Comprehensive technical specifications for Division 23, covering HVAC systems including common requirements, demolition, identification, insulation, piping, and advanced Multi-Zone Variable Refrigerant Flow (VRF) systems by LG. Details installation, materials, quality assurance, and product standards.</p>
	<p><u>NIBCO Press System Installation Instructions for Copper Tubing</u></p> <p>Comprehensive installation guide for NIBCO Press System fittings and valves on copper tubing, covering preparation, pressing, and testing procedures for secure and watertight connections.</p>



[NIBCO Bronze & Iron Valves Catalog](#)

Explore the NIBCO catalog featuring a wide selection of bronze and iron valves, including gate, globe, angle, check valves, and strainers. Find detailed product specifications, dimensions, and material information for industrial and commercial applications.



[NIBCO Press System Installation and Crimp Integrity Instructions](#)

Comprehensive guide for installing NIBCO Press System fittings and valves on copper tubing, including safety precautions, preparation steps, crimping procedures for various sizes, and detailed integrity testing methods.