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NIBCO 5811C4

NIBCO Fig No 5811-C 4-inch ABS DWV Cleanout Tee Instruction Manual

Model: 5811C4 | Brand: NIBCO

1. INTRODUCTION

This manual provides essential information for the proper installation, use, and maintenance of the NIBCO Fig No 5811-C 4-inch ABS DWV Cleanout Tee. This product is designed for use in non-pressure drain, waste, and vent (DWV) systems. Adherence to these instructions is crucial for safe and effective operation.

2. SAFETY INFORMATION

WARNING: Do not test or use this product with compressed air or other gases. Doing so can result in product failure and severe injury or death. This fitting is intended for non-pressure liquid and waste drainage applications only.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling ABS pipe and fittings and when working with solvent cement.

3. PRODUCT OVERVIEW

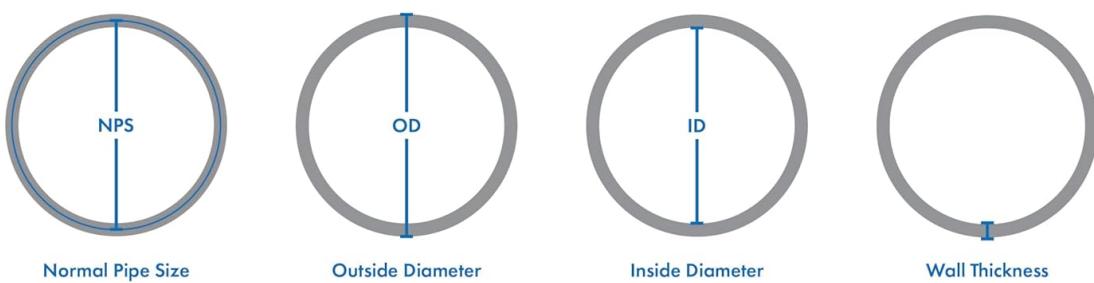
The NIBCO Fig No 5811-C is a 4-inch ABS DWV Cleanout Tee. It features a hub x hub connection type, designed for solvent welding into a drainage system. The cleanout tee allows for access to the drainage system for inspection and clearing blockages.



Figure 1: NIBCO Fig No 5811-C 4-inch ABS DWV Cleanout Tee. This image shows the black ABS fitting with three hub connections, designed for solvent welding into a drainage system.

Why is 1-inch pipe, not 1-inch?

Understanding NPS for 1/8" to 12"



NIBCO

Figure 2: Alternate view of the NIBCO 4-inch ABS DWV Cleanout Tee. This perspective highlights the internal structure and the smooth finish of the ABS material.

Key Features:

- Material: Acrylonitrile Butadiene Styrene (ABS)
- Size: 4 inches
- Connection Type: Hub x Hub (Solvent Weld)
- Application: Non-pressure Drain, Waste, and Vent (DWV) systems
- Function: Provides access for cleaning and inspection

4. SETUP AND INSTALLATION

Proper installation of ABS DWV fittings requires careful attention to detail and the use of appropriate solvent cement. Follow local plumbing codes and manufacturer guidelines.

Required Tools and Materials:

- ABS Pipe Cutter or Saw
- Deburring Tool or File
- Measuring Tape
- Marker
- ABS Solvent Cement (specifically formulated for ABS)
- Applicator (often included with solvent cement)
- Clean Rags
- Personal Protective Equipment (PPE): Safety glasses, gloves

Installation Steps:

1. **Preparation:** Ensure all pipe ends and fitting hubs are clean, dry, and free from grease or debris. Cut pipe ends squarely and deburr both inside and outside edges to prevent flow restriction and ensure proper fit.
2. **Dry Fit:** Test fit the pipe into the fitting hub. The pipe should enter the hub easily for about 1/3 to 2/3 of the hub depth. A snug fit is essential for a strong solvent weld.
3. **Marking:** Mark the pipe and fitting to ensure proper alignment during the solvent welding process, especially for complex assemblies.
4. **Apply Solvent Cement:** Apply a liberal, even coat of ABS solvent cement to the outside of the pipe end and a thinner, even coat to the inside of the fitting hub. Work quickly, as ABS cement dries rapidly.
5. **Join Pipe and Fitting:** Immediately insert the pipe into the fitting hub with a 1/4 turn twist until the pipe bottoms out against the stop. Hold the joint firmly for at least 30 seconds to allow the cement to set and prevent the pipe from backing out.
6. **Curing:** Wipe off any excess cement from the joint. Allow the joint to cure for the recommended time specified by the solvent cement manufacturer before testing the system. This typically ranges from 30 minutes to several hours, depending on temperature and humidity.
7. **Cleanout Plug:** Ensure the cleanout opening is properly sealed with an appropriate cleanout plug (sold separately) after installation.

5. OPERATING PRINCIPLES

The NIBCO ABS DWV Cleanout Tee functions as a critical component in a non-pressure drainage system. Its primary purpose is to facilitate the removal of wastewater and solids while providing an access point for maintenance. The cleanout port allows for the insertion of drain cleaning tools to clear blockages without

disassembling the entire pipe system.

6. MAINTENANCE

Once installed, the NIBCO ABS DWV Cleanout Tee requires minimal maintenance. Regular inspection of the DWV system for leaks or signs of damage is recommended. Ensure the cleanout plug is securely tightened to prevent leaks and odors. If a blockage occurs, access the system through the cleanout port using appropriate drain cleaning equipment.

Avoid pouring harsh chemicals that are not compatible with ABS plastic down the drain, as this can degrade the material over time.

7. TROUBLESHOOTING

Common Issues:

- **Leaks at Joints:**

Possible Cause: Improper solvent welding, insufficient cement, or inadequate curing time.

Solution: For minor leaks, re-apply cement if the joint is still pliable and within the working time. For cured leaks, the joint may need to be cut out and replaced. Ensure proper technique and curing time during installation.

- **Blockages:**

Possible Cause: Accumulation of debris, grease, or foreign objects in the drainage system.

Solution: Access the system through the cleanout tee. Use a plumbing snake or auger to clear the obstruction. Avoid using excessive force that could damage the pipe.

- **Odors from Cleanout:**

Possible Cause: Loose or missing cleanout plug.

Solution: Ensure the cleanout plug is securely tightened. Replace damaged or missing plugs immediately.

8. SPECIFICATIONS

Attribute	Value
Brand	NIBCO
Model Number	5811C4
Product Type	ABS DWV Cleanout Tee
Size	4 inches
Material	Acrylonitrile Butadiene Styrene (ABS)
Connector Type	Hub x Hub (Solvent Weld)
Exterior Finish	ABS
Product Dimensions (L x W x H)	13.38 x 5.06 x 9.16 inches
Item Weight	2.1 Pounds (Product only) / 14.09 Pounds (Package)
Country of Origin	United States

Attribute	Value
UPC	039923199348

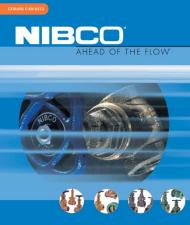
9. WARRANTY AND SUPPORT

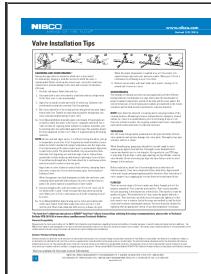
For information regarding product warranty, technical support, or further assistance, please contact NIBCO customer service or visit the official NIBCO website. Keep your purchase receipt for warranty claims.

NIBCO Official Website: www.nibco.com

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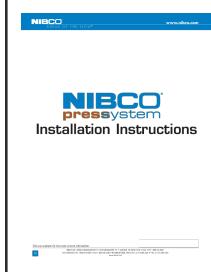
Related Documents - 5811C4

	<p>NIBCO B038750, 705 Baseboard Tee C x F x C - Cast Fitting Specifications</p> <p>Detailed specifications for the NIBCO B038750, 705 Baseboard Tee fitting. Features include two solder cups, an FNPT outlet, bronze material, and ISO 9001 certification.</p>
	<p>NIBCO Bronze & Iron Valves Catalog</p> <p>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.</p>
	<p>NIBCO Press System Installation Instructions for Copper Tubing</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>



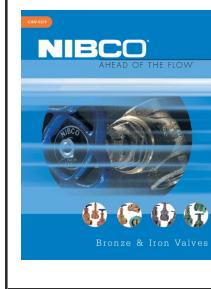
[NIBCO Valve Installation Tips: Soldering, Brazing, Threading, and Flanged Connections](#)

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.



[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.



[NIBCO Bronze & Iron Valves Catalog | Comprehensive Product Guide](#)

Explore the NIBCO catalog of high-quality bronze, iron, and ductile iron valves. Find detailed specifications, dimensions, and product information for gate, globe, angle, check valves, and strainers.