

Waterway 400-9820B

Waterway Plastics 400-9820B Chlorinator Wall Fitting Instruction Manual

Model: 400-9820B

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Waterway Plastics 400-9820B Chlorinator Wall Fitting. This fitting is designed for use with swimming pool chlorinator systems, featuring a 1-1/2 inch Male Pipe Thread (MPT) connection on one end and a 1-1/2 inch Buttress (B) connection on the other.

Proper installation and regular maintenance are crucial for the longevity and efficient performance of this component within your pool's chemical dispensing system.

2. SAFETY INFORMATION

Always observe the following safety precautions when working with pool equipment and chemicals:

- **Disconnect Power:** Before performing any installation or maintenance, ensure all power to the pool pump and related equipment is disconnected at the circuit breaker.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment (PPE), including safety glasses and chemical-resistant gloves, especially when handling pool chemicals or working near chemical lines.
- **Chemical Handling:** Refer to the manufacturer's instructions for any chemicals used in conjunction with the chlorinator. Never mix different pool chemicals.
- **Pressure Warning:** Pool plumbing systems can be under pressure. Relieve all pressure from the system before opening any lines or fittings.
- **Professional Installation:** If you are unsure about any installation steps, consult a qualified pool professional.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.

- Waterway Plastics 400-9820B Chlorinator Wall Fitting
- Associated O-rings and/or gaskets (if included with the specific "parts bag" variant)
- PTFE Thread Seal Tape (if included)



Figure 3.1: Waterway Plastics 400-9820B Chlorinator Wall Fitting. This image shows the main black plastic fitting with threaded ends, designed for connecting to a chlorinator system.



Figure 3.2: Example of an O-ring. This black rubber O-ring is typically used to create a watertight seal between components.



Figure 3.3: Example of a clear gasket or washer. This component is used to provide a seal between two surfaces.



Figure 3.4: PTFE Thread Seal Tape. This white tape on a blue spool is used to seal threaded pipe connections, preventing leaks.

4. SETUP AND INSTALLATION

This fitting is designed for a secure, leak-free connection in your chlorinator system. Follow these steps for proper installation:

1. **Prepare the Connection Points:** Ensure the male pipe thread (MPT) connection point on your chlorinator or plumbing line and the buttress (B) connection point are clean and free of debris.
2. **Apply Thread Sealant:** For the 1-1/2" MPT side of the fitting, apply 3-5 wraps of PTFE thread seal tape clockwise around the threads. Ensure the tape is applied smoothly and covers all threads.
3. **Install O-rings/Gaskets:** If your specific application or the "parts bag" includes O-rings or gaskets, place them correctly onto the fitting or the mating surface as required to ensure a watertight seal.
4. **Thread the Fitting:** Carefully thread the 1-1/2" MPT end of the Waterway 400-9820B fitting into the corresponding female threaded port on your chlorinator or plumbing. Hand-tighten first to avoid cross-threading.
5. **Secure the Connection:** Using an appropriate wrench, tighten the fitting an additional 1 to 2 turns past hand-tight. Do not overtighten, as this can crack the plastic or strip the threads.
6. **Connect the Buttress Side:** Connect the 1-1/2" buttress side of the fitting to the mating buttress connection of your pool plumbing. Ensure the connection is secure and any associated union nuts are tightened properly.
7. **Leak Check:** After installation, restore power and pressure to the system. Carefully inspect all connections for leaks. If leaks are detected, relieve pressure, re-tighten, or re-apply thread sealant as necessary.

5. OPERATING PRINCIPLES

The Waterway Plastics 400-9820B Wall Fitting serves as a critical connection point within your swimming pool's chlorinator system. It facilitates the flow of chlorinated water from the chlorinator back into the pool's circulation system or connects the chlorinator to the main plumbing line.

Once installed, this fitting operates passively, ensuring a sealed pathway for water and chemicals. Its primary function is to provide a durable and leak-proof interface between different components of your pool's chemical dispensing setup.

6. MAINTENANCE

Regular inspection and minor maintenance can extend the life of your fitting and prevent potential issues:

- **Visual Inspection:** Periodically inspect the fitting for any signs of cracks, discoloration, or wear, especially around the threaded connections.
- **Leak Checks:** Regularly check for any signs of water leaks around the fitting. Even small drips can indicate a developing problem.
- **O-ring/Gasket Condition:** If accessible, inspect any O-rings or gaskets for signs of drying, cracking, or compression set. Replace them if they appear damaged or are no longer providing a proper seal.
- **Cleaning:** If mineral deposits or chemical residue build up on the exterior of the fitting, gently clean it with a soft cloth and mild detergent. Avoid abrasive cleaners or solvents that could damage the plastic.
- **Winterization:** During winterization, ensure the fitting is drained of all water to prevent freezing and potential damage.

7. TROUBLESHOOTING

Most issues related to this fitting involve leaks. Here are common troubleshooting steps:

Problem	Possible Cause	Solution
Water Leak at Threaded Connection	Insufficient PTFE tape; damaged threads; overtightened/undertightened connection.	Relieve system pressure. Disconnect fitting, clean threads, re-apply 3-5 wraps of fresh PTFE tape, and re-tighten. Ensure not to overtighten. Inspect threads for damage.
Water Leak at Buttress Connection	Damaged O-ring/gasket; loose union nut; debris in connection.	Relieve system pressure. Inspect O-ring/gasket for damage and replace if necessary. Clean connection surfaces. Ensure union nut is securely tightened.
Fitting Appears Cracked or Damaged	Physical impact; chemical degradation; overtightening during installation; freezing.	The fitting must be replaced. Ensure proper winterization to prevent freezing.

8. SPECIFICATIONS

Key specifications for the Waterway Plastics 400-9820B Chlorinator Wall Fitting:

- **Model Number:** 400-9820B (also known as 400-9820)
- **Manufacturer:** Waterway Plastics
- **Connection Type 1:** 1-1/2 inch Male Pipe Thread (MPT)
- **Connection Type 2:** 1-1/2 inch Buttress (B)
- **Material:** Durable Plastic
- **Item Weight:** 6.4 ounces
- **Package Dimensions:** Approximately 7 x 5.5 x 2 inches
- **UPC:** 806105235305

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Waterway Plastics 400-9820B Chlorinator Wall Fitting, please refer to the documentation provided with your original purchase or visit the official Waterway Plastics website. Warranty terms typically cover manufacturing defects.

For technical support, replacement parts, or further assistance, please contact Waterway Plastics customer service directly. Contact information can usually be found on their official website or on the product packaging.

It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

Related Documents - 400-9820B

 <p>Crystal Water / Aqua Clean Cartridge Filter System - Aqua Clean Cartridge System 40 Filter Cartridges</p> <p>Crystal Water / Aqua Clean Cartridge Filter System: Owner's Guide & Installation Manual</p>	<p>Crystal Water / Aqua Clean Cartridge Filter System: Owner's Guide & Installation Manual</p> <p>Comprehensive owner's guide and installation manual for the Waterway Crystal Water / Aqua Clean cartridge filter system. Includes setup, maintenance, safety, and technical specifications for pool and spa filtration.</p>
 <p>POWER DEFENDER 2.7 HP VARIABLE SPEED PUMP OWNER'S MANUAL</p> <p>IMPORTANT SAFETY INSTRUCTIONS READ AND FOLLOW ALL INSTRUCTIONS - SEE THESE INSTRUCTIONS</p>	<p>Power Defender 2.7 HP Variable Speed Pump Owner's Manual</p> <p>Owner's manual for the Waterway Power Defender 2.7 HP Variable Speed Pump, detailing safety, installation, operation, maintenance, and troubleshooting procedures.</p>
 <p>POWER DEFENDER PD-270A 2.7 HP VARIABLE SPEED PUMP OWNER'S MANUAL</p> <p>SAFETY INSTRUCTIONS - READ ALL INSTRUCTIONS PRIOR TO INSTALLATION</p>	<p>Waterway Power Defender PD-270A 2.7 HP Variable Speed Pump Owner's Manual</p> <p>Comprehensive owner's manual for the Waterway Power Defender PD-270A 2.7 HP Variable Speed Pool Pump. Covers installation, safety precautions, general guidelines, maintenance procedures, winterization, seal replacement, electrical specifications, and parts lists.</p>
 <p>INSTRUCTION MANUAL OASIS POOL & SPA CONTROL</p>	<p>Waterway OASIS Pool & Spa Control: Installation and Operation Manual</p> <p>Comprehensive instruction manual for the Waterway OASIS Pool & Spa Control system, covering installation, wiring, safety precautions, system setup, and operation for pool and spa owners. Includes model details and technical specifications.</p>
 <p>IRON MIGHT PUMP INSTRUCTIONS</p>	<p>Waterway Iron Might Pump Instructions: Safety, Installation, and Troubleshooting Guide</p> <p>Comprehensive guide for the Waterway Iron Might Pump, covering essential safety precautions, detailed installation steps, motor wiring diagrams, troubleshooting common issues, and component diagrams for pools and spas.</p>
 <p>Installation and Operation Manual</p> <p>Power Defender Models: 165, 225, 270, and 350</p>	<p>Waterway Power Defender 165-350 Installation and Operation Manual</p> <p>Comprehensive installation and operation manual for the Waterway Power Defender 165, 225, 270, and 350 programmable variable speed pool pump motors. Learn about features, electrical requirements, installation, troubleshooting, and maintenance for optimal energy efficiency.</p>