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Infusion Pool Products 1-1/2"mpt, Dk Gray

Infusion Pool Products Inlet Fitting, Infusion Venturi, 1-1/2"mpt, Dk Gray

USER MANUAL

Model: 1-1/2"mpt, Dk Gray | Brand: Infusion Pool Products

1. Introduction and Product Overview

This manual provides essential information for the proper installation, operation, and maintenance of your Infusion Pool Products Inlet Fitting, Infusion Venturi, 1-1/2"mpt, Dk Gray. Please read this manual thoroughly before use to ensure safe and efficient performance.

The Infusion Venturi Inlet Fitting is designed for pool and spa systems, featuring a 1-1/2 inch Male Pipe Thread (MPT) connection. Its primary function is to facilitate water circulation and potentially enhance chemical distribution within the pool or spa, utilizing a venturi design for efficient flow.



Figure 1: Front view of the Infusion Pool Products Inlet Fitting.

2. Setup and Installation

The Inlet Fitting is designed for straightforward installation into compatible pool or spa plumbing. It features a 1-1/2 inch Male Pipe Thread (MPT) for secure connection.

2.1. Pre-Installation Check

- Ensure the receiving female pipe thread is clean and free of debris.
- Verify that the pipe size is compatible with a 1-1/2 inch MPT connection.
- Have appropriate thread sealant (e.g., PTFE tape or pipe dope) ready.

2.2. Installation Steps

1. Apply a suitable amount of thread sealant to the male threads of the Inlet Fitting. Ensure even coverage.
2. Carefully thread the fitting into the female pipe connection by hand until snug.

3. Using an appropriate wrench, tighten the fitting an additional 1 to 2 turns past hand-tight. Do not overtighten, as this can damage the threads or the fitting.
4. Once installed, visually inspect for proper alignment and a secure fit.

Warning: For complex plumbing systems or if you are unsure about the installation process, it is highly recommended to consult a qualified pool technician.



Figure 2: Bottom view showing the threaded connection.



Figure 3: Side view of the fitting.

3. Operating Principles

The Infusion Venturi Inlet Fitting operates on the principle of the Venturi effect. As water flows through the constricted section of the fitting, its velocity increases, causing a drop in pressure. This pressure differential can be utilized to draw in air or other substances (if designed for such a purpose) or simply to create a strong, directed flow for circulation.

Once installed, the fitting will direct the return water flow into the pool or spa, aiding in overall water circulation and ensuring that treated water is evenly distributed throughout the body of water. The venturi design helps to maximize the efficiency of this circulation.



Figure 4: Top view of the venturi outlet.



Figure 5: Angled view showing the venturi design.

4. Maintenance

The Infusion Venturi Inlet Fitting is designed for durability and requires minimal maintenance. Regular inspection is key to ensuring its longevity and optimal performance.

4.1. Routine Checks

- Periodically inspect the fitting for any signs of cracks, damage, or wear.
- Check for any leaks around the threaded connection. If a leak is detected, the fitting may need to be re-tightened or re-sealed.
- Ensure the venturi opening is clear of debris (e.g., leaves, hair, small objects) that could obstruct water flow.

4.2. Cleaning

If the venturi opening becomes clogged, carefully remove any visible debris. For stubborn mineral deposits or algae, the fitting may need to be removed and soaked in a mild, pool-safe cleaning solution. Rinse thoroughly

with clean water before re-installation.

5. Troubleshooting

This section addresses common issues you might encounter with your Inlet Fitting.

| Problem | Possible Cause | Solution |
|---------------------------------|---|--|
| Reduced Water Flow from Fitting | <ul style="list-style-type: none">• Clogged venturi opening• Low pump pressure• Air in the system | <ul style="list-style-type: none">• Inspect and clear any debris from the venturi.• Check pool pump and filter for proper operation.• Bleed air from the pool system. |
| Leak at Connection Point | <ul style="list-style-type: none">• Improperly sealed threads• Loose connection• Damaged threads | <ul style="list-style-type: none">• Drain water, remove fitting, reapply thread sealant, and re-install.• Gently tighten the fitting.• Inspect threads for damage; replace fitting if necessary. |

6. Specifications

| Attribute | Detail |
|--------------------------------|--|
| Product Name | Inlet Fitting, Infusion Venturi |
| Model | 1-1/2"mpt, Dk Gray |
| Brand | Infusion Pool Products |
| Material | Metal (as per product specifications, though it appears to be a durable plastic/PVC in images) |
| Color | Dark Gray |
| Connector Type | Threaded |
| Thread Size | 1.5 inch (1-1/2" MPT) |
| Product Dimensions (L x W x H) | 2.25 x 2.25 x 2.3 inches |
| Item Weight | 1.44 ounces |
| UPC | 858923003031 |

7. Warranty and Support

For specific warranty information regarding your Infusion Pool Products Inlet Fitting, please refer to the

documentation provided with your purchase or contact Infusion Pool Products directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

If you require technical assistance, have questions about installation, or need to report a defect, please contact the manufacturer's customer support. Contact details can usually be found on the product packaging or the official Infusion Pool Products website.

Manufacturer: Infusion Pool Products

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This manual is for informational purposes only. Specifications are subject to change without notice.