

ICON 12511

ICON 12511 Fitting, Hub, 3" - Instruction Manual



1. PRODUCT OVERVIEW

The ICON 12511 Hub Fitting is designed to facilitate the transition from polyethylene holding tanks to standard ABS plumbing systems. This essential component ensures a secure and leak-free connection in RV waste water and sanitation setups.



Image: The ICON 12511 3-inch Hub Fitting. This black, polyethylene fitting is cylindrical, featuring a wider opening at the top for connection to a holding tank and a narrower section at the bottom for ABS plumbing. An O-ring is included for a secure seal.

2. WHAT'S IN THE BOX

The package for the ICON 12511 Fitting, Hub, 3" includes the following components:

- One (1) ICON 12511 Holding Tank Fitting 3" Hub Fitting
- One (1) O-ring (pre-installed or included for the 3" female slip end)

3. SETUP AND INSTALLATION

This section provides instructions for the proper installation of the ICON 12511 Hub Fitting. Ensure all safety precautions are followed during installation.

3.1. Required Materials (Not Included)

- Butyl sealant (ICON part # 12062 recommended)
- Hose pipe clamp (appropriate size for 3" connection)
- Standard ABS plumbing adhesive/cement (for ABS connections)

3.2. Installation Steps

1. **Prepare the Holding Tank:** Ensure the polyethylene holding tank has a molded collar suitable for a 3-inch hub connection. Clean the area around the collar thoroughly to remove any debris or residue.
2. **Apply Sealant:** Apply a generous amount of butyl sealant (e.g., ICON part # 12062) around the molded polyethylene collar of the holding tank. This will create a watertight seal between the tank and the hub fitting.
3. **Attach the Hub Fitting:** Carefully slide the ICON 12511 Hub Fitting onto the molded polyethylene collar of the holding tank. Ensure the O-ring is properly seated within the female slip end of the hub to provide an initial seal.
4. **Secure with Clamp:** Place a hose pipe clamp around the connection point where the hub fitting meets the holding tank's collar. Tighten the clamp securely to compress the butyl sealant and create a robust, leak-proof connection.
5. **Connect to ABS Plumbing:** The 3-inch female slip end of the hub fitting is designed for connection to standard ABS plumbing. Use appropriate ABS plumbing adhesive/cement to join the hub fitting to your ABS drain pipe. Follow the adhesive manufacturer's instructions for curing times.
6. **Test for Leaks:** After the adhesive has cured, fill the holding tank with water and inspect all connections for any signs of leaks. Address any leaks immediately before putting the system into full operation.

4. OPERATION

The ICON 12511 Hub Fitting is a passive component designed to facilitate fluid transfer. Once properly installed, its operation is integrated with the overall RV waste water system. Ensure that all connected plumbing components are functioning correctly to allow for proper waste drainage.

5. MAINTENANCE

Regular inspection of the ICON 12511 Hub Fitting and surrounding plumbing is recommended to ensure long-term performance and prevent issues.

- **Visual Inspection:** Periodically check the hub fitting and its connections for any signs of cracks, wear, or leaks. Pay close attention to the areas where the butyl sealant and hose clamp are applied, as well as the ABS plumbing joints.
- **Cleanliness:** While the fitting itself is part of a waste system, ensuring the exterior is free from excessive dirt or debris can help in visual inspections.
- **Seal Integrity:** If any leaks are detected, re-evaluate the application of the butyl sealant and the tightness of the hose pipe clamp. If necessary, disassemble, clean, reapply sealant, and re-secure the connection.

6. TROUBLESHOOTING

This section addresses common issues that may arise with the ICON 12511 Hub Fitting.

- **Leakage at Tank Connection:**
 - **Cause:** Insufficient butyl sealant, improperly seated O-ring, or loose hose pipe clamp.
 - **Solution:** Ensure adequate butyl sealant is applied. Verify the O-ring is correctly positioned. Tighten the hose pipe clamp. If leakage persists, disassemble, clean surfaces, reapply sealant, and reassemble.
- **Leakage at ABS Plumbing Connection:**

- **Cause:** Improper application of ABS adhesive/cement, insufficient curing time, or damaged ABS pipe.
 - **Solution:** Ensure proper technique for ABS cementing. Allow sufficient curing time as per adhesive manufacturer's instructions. Inspect ABS pipe for damage and replace if necessary.
- **Difficulty Connecting to Tank/Plumbing:**
 - **Cause:** Incorrect sizing, debris in connection points, or manufacturing defect.
 - **Solution:** Verify that the tank collar and ABS pipe are indeed 3-inch compatible. Clean all connection surfaces. If the issue persists and sizing is correct, contact ICON customer support.

7. SPECIFICATIONS

Attribute	Detail
Brand	ICON
Model Number	12511
Size	Standard (3 inch)
Material	Polyethylene
Color	Black
Item Dimensions (L x W x H)	5 x 5 x 9 inches
Connector Type	Coupling (3" female slip end)
Thread Size	3 inch (NPT)
Exterior Finish	Black
Item Weight	0.48 ounces (approx. 13.61 g)
Number of Pieces	1
Manufacturer	Icon Technologies Limited
UPC	628423125119
First Available Date	April 19, 2019

8. WARRANTY AND SUPPORT



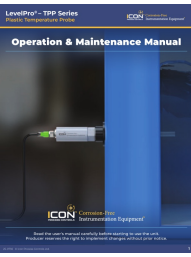


For information regarding product warranty, returns, or technical support, please contact ICON Technologies Limited directly. Refer to the original product packaging or the manufacturer's official website for the most current contact details and warranty policy.

Manufacturer: Icon Technologies Limited

Website: [Visit the ICON Store on Amazon](#) (for general brand information)



Related Documents - 12511

	<p>LevelPro® LPS50 Series Digital Pressure Switch Quick Start Manual</p> <p>Quick start guide for the ICON LevelPro® LPS50 Series Digital Pressure Switch, detailing safety, specifications, wiring, dimensions, and programming instructions.</p>
	<p>ICON U44: Руководство пользователя 4x4 USB Аудиоинтерфейса</p> <p>Подробное руководство пользователя для аудиоинтерфейса ICON U44. Узнайте о функциях, подключении, установке и спецификациях этого 4x4 USB 2.0 устройства с большим экраном, управляемого программным обеспечением iCON iO Pro.</p>
	<p>ProCon C550 Series Conductivity Sensor Transmitter Datasheet</p> <p>The ProCon C550 Series Conductivity Sensor Transmitter by ICON Process Controls is a high-performance, durable instrument designed for harsh industrial environments. It features direct 4-20mA and RS485 outputs, temperature compensation using PT1000, and a robust graphite + PPMA electrode. With a 3/4" NPT connection and M12 connectivity, it offers high accuracy and quick response times for measuring Conductivity, TDS, Salinity, and Resistivity. Factory calibrated and IP68 rated, it is suitable for various applications including water treatment, chemical plants, and food & beverage industries.</p>
	<p>LevelPro® TPP Series Plastic Temperature Probe Operation & Maintenance Manual</p> <p>This manual provides essential information for the installation, operation, and maintenance of the ICON LevelPro® TPP Series Plastic Temperature Probe. It covers product overview, specifications, working principle, application diagram, dimensions, wiring instructions, maintenance, troubleshooting, and warranty information.</p>
	<p>ICON WM 3.1/WM 3.2 Professional Wireless Microphone System - User Guide & Specifications</p> <p>Comprehensive guide for the ICON WM 3.1 and WM 3.2 professional wireless microphone systems, including package contents, setup instructions, troubleshooting, detailed specifications, features, precautions, and service information.</p>
	<p>ITC-250B Series Battery Powered Level Display: Instruction Manual & Specifications</p> <p>This instruction manual provides detailed information on the ICON ITC-250B Series battery-powered level display, covering features, specifications, programming, ordering options, and wiring diagrams for industrial and process control applications.</p>