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SHURFLO 183-029-14

Shurflo by Pentair Pressure Reducing City Water Entry

Model: 183-029-14

Brand: SHURFLO

1. PRODUCT OVERVIEW

The Shurflo by Pentair Pressure Reducing City Water Entry is designed to provide a safe and regulated connection for city water supply to recreational vehicles (RVs) and marine vessels. This wall-mount unit features a durable chrome finish and is engineered to limit incoming water pressure to a safe 65 PSI, protecting your onboard plumbing system from high pressure damage. It includes a built-in check valve to prevent backflow, ensuring compliance with plumbing code requirements and eliminating the need for an external check valve.



A close-up view of the Shurflo Pressure Reducing City Water Entry. The unit features a polished chrome faceplate with four screw holes for wall mounting. The central water inlet has a black, four-lobed knob for easy connection and disconnection of a standard garden hose. The words 'WATER INLET ONLY' are embossed around the inlet. A black rubber cap, attached by a strap, covers the inlet when not in use. The unit is designed to regulate incoming city water pressure.

2. SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in property damage or personal injury.

- Always turn off the main water supply before beginning any installation or maintenance work.
- Ensure all connections are secure and leak-free after installation.
- If you are unsure about any part of the installation process, consult a qualified plumber or RV technician.

- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

3. INSTALLATION (SETUP)

Tools and Materials Required:

- Screwdriver or power drill
- Sealant (e.g., butyl tape or silicone)
- Adjustable wrench or pliers
- Measuring tape and marker

Installation Steps:

1. **Prepare the Mounting Location:** Select a flat, clean surface on the exterior wall of your RV or boat. Ensure there is sufficient space behind the wall for plumbing connections.
2. **Turn Off Water Supply:** Completely shut off the main water supply to your RV or boat and drain any residual pressure from the system.
3. **Remove Old Unit (if applicable):** If replacing an existing unit, carefully disconnect the water lines and remove the old city water entry. Clean the mounting area thoroughly.
4. **Drill Mounting Holes:** Use the new Shurflo unit as a template to mark the four screw holes and the central opening for the water connections. Drill pilot holes for the screws and a larger hole for the main body of the unit. The unit typically requires a 3.5-inch hole for the main body.
5. **Apply Sealant:** Apply a bead of appropriate sealant (e.g., butyl tape or marine-grade silicone) around the perimeter of the opening on the exterior wall. *Note: A gasket is not included with this unit; proper sealant application is crucial for a watertight seal.*
6. **Mount the Unit:** Position the Shurflo City Water Entry into the prepared opening, aligning the screw holes. Secure the unit to the wall using appropriate screws (not included). Do not overtighten.
7. **Connect Plumbing:** From the interior, connect your RV's or boat's freshwater plumbing to the threaded outlet of the Shurflo unit. Ensure all connections are tight and use thread sealant if necessary.
8. **Test for Leaks:** Slowly turn on the main water supply. Carefully inspect all connections for any signs of leaks. Tighten connections as needed.

4. OPERATION

Operating the Shurflo Pressure Reducing City Water Entry is straightforward:

- **Connecting City Water:** Remove the protective cap from the inlet. Connect a standard garden hose from the city water supply to the threaded inlet on the Shurflo unit. Hand-tighten the connection using the black knob until secure.
- **Pressure Regulation:** The unit will automatically reduce the incoming city water pressure to a safe and consistent 65 PSI, protecting your internal plumbing system.
- **Built-in Check Valve:** The integrated check valve prevents water from flowing back out of your RV's or boat's freshwater system into the city water supply, even when your onboard water pump is active. This eliminates the need for a separate backflow preventer.
- **Disconnecting City Water:** Turn off the city water supply. Disconnect the garden hose from the Shurflo unit. Replace the protective cap to keep debris out of the inlet.

5. MAINTENANCE

The Shurflo City Water Entry is designed for durability and requires minimal maintenance. Regular inspection is recommended to ensure optimal performance:

- **Visual Inspection:** Periodically inspect the unit for any signs of cracks, leaks, or damage to the chrome finish or the plastic components.
- **Connection Integrity:** Check the hose connection point and the internal plumbing connection for any signs of drips or leaks. Tighten connections if necessary.
- **Cleaning:** Clean the exterior of the unit with a mild soap and water solution. Avoid abrasive cleaners that could damage the chrome finish.
- **Winterization:** During winterization, ensure the unit is drained of water to prevent freezing and potential damage.

6. TROUBLESHOOTING

If you encounter issues with your Shurflo City Water Entry, consider the following:

Issue: Water Leakage

- **Possible Cause:** Loose connections.
- **Solution:** Ensure all threaded connections (city water hose, internal plumbing) are securely tightened. Check the sealant around the mounting plate.
- **Possible Cause:** Damaged O-rings or internal components.
- **Solution:** Inspect the O-ring inside the hose connection. If damaged, replace it. If the leak is from the unit's body, the unit may need replacement.

Issue: No Water Flow or Low Pressure

- **Possible Cause:** City water supply is off or low pressure.
- **Solution:** Verify that the city water supply is turned on and has adequate pressure.
- **Possible Cause:** Kinked or blocked hose.
- **Solution:** Check the city water hose for kinks or obstructions.
- **Possible Cause:** Internal check valve stuck or clogged.
- **Solution:** If the unit is completely blocking water flow, the internal check valve may be stuck. In most cases, this requires replacement of the unit.

If troubleshooting steps do not resolve the issue, contact Shurflo customer support or a qualified technician.

7. SPECIFICATIONS

Feature	Specification
Model Name	183-029-14
Brand	SHURFLO
Manufacturer	Shurflo by Pentair
Material	Metal (Chrome finish)
Color	Chrome

Feature	Specification
Item Dimensions (L x W x H)	5.25 x 4 x 5.75 inches
Item Weight	4.64 ounces
Inlet Connection Type	Threaded (3/4" GHT Female Swivel Inlet)
Outlet Connection Type	1/2" NPSM Male Out
Maximum Operating Pressure	65 PSI (Pound per Square Inch)
Number of Ports	2
Specification Met	Check valve code requirements
UPC	752324002986

8. WARRANTY AND SUPPORT

This Shurflo product comes with a manufacturer's warranty. For specific details regarding the warranty period, coverage, and claims process, please refer to the documentation included with your product or visit the official Shurflo website.

For technical support, replacement parts, or further assistance, please contact Shurflo by Pentair customer service directly. Contact information can typically be found on the manufacturer's website or product packaging.

Online Resources: For the most up-to-date information, product registration, and additional support, please visit the official SHURFLO website. (A quick web search for "SHURFLO official website" will provide the most current link.)

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