**WARNING**

**BIological HAZARD**

There are hazards associated with backcountry travel and the use of water filters. Drinking untreated water may expose you to harmful microorganisms and increase your risk of gastrointestinal illness. Use the filter improperly increases your risk of exposure to harmful microorganisms and increases your risk of gastrointestinal illness. Reduce your chances of becoming sick by following the warnings and instructions in this manual and educating yourself on backcountry water safety.

**YOU ARE RESPONSIBLE FOR YOUR OWN SAFETY AND THE SAFETY OF THOSE IN YOUR GROUP PLEASE USE GOOD JUDGMENT.**

**NEVER use the GravityWorks system to filter seawater or chemically contaminated water.**

**NOTE:** This manual addresses the Original Water Filter, a pumpless gravity system that uses hollow fiber membrane technology to remove bacteria, viruses, and protozoa from water. The filter is intended for use in the backcountry to provide safe drinking water. This system is not intended for use in potable water systems or as a home drinking water system. The user is responsible for safe usage and failure to follow instructions may result in injury or death.

**IMPORTANT:** Read and understand this entire manual carefully before assembling or using this water filter. If you do not understand the manual or this information, please call Cascade Designs at 1-800-531-9531.

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**TROUBLESHOOTING**

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**规格**

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- 滤芯
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- 填料
- 滤芯

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**PLATYPUS**

**GRAVITYWORKS**

**PUMP-FREE WATER SYSTEM**

**For product information and service contact**

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www.platypus.com
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**警告**

**生物危害**

在远足和使用水过滤器时，存在与背乡旅行相关的危险和使用水过滤器时，存在与背乡旅行相关的危险。饮用未经处理的水可能使您暴露于有害微生物并增加胃肠道疾病的风险。使用过滤器不当会增加您暴露于有害微生物并增加胃肠道疾病的风险。降低患病风险的方法包括遵循以下警告和指示，进行教育，并确保您在野外活动时的安全。

**您对自己和他人的安全负责，请使用良好的判断。**

**绝对不要使用GravityWorks系统来过滤海水或化学污染的水。**

**注意:** 本手册讨论的是原装水过滤器，一种无泵的重力系统，使用中空纤维膜技术来去除细菌、病毒和原生动物体内的水。该系统适用于在偏远地区提供安全饮用水。该系统不适用于饮用管线系统或家庭饮用水系统。用户应负责安全使用，并且如果未按指示操作，可能造成伤害或死亡。

**重要:** 请仔细阅读并完全理解本手册全文，然后再组装或使用此水过滤器。如果您不理解本手册或有任何问题，请致电Cascade Designs的客户服务热线1-800-531-9531。
KNOW YOUR PLATYPUS® GRAVITYWORKS™ GRAVITY FILTER SYSTEM

INITIAL SYSTEM ASSEMBLY

Only complete Step 1 for the initial assembly of the GravityWorks system. Keep all parts (reservoirs, hoses, cartridge) connected to avoid cross contamination.

1. Connect open end of shorter Dirty Hose to black Dirty Hose Barb. NOTE: Arrows (water flow direction) on Filter Cartridge should point toward clean container.
2. Connect longer Clean Hose to white Clean Hose Barb.
3. Close Shut-off Clamp on the Clean Hose.
4. Reinstall the Male Quick Disconnect.
5. Open Shut-off Clamp to start water flow. Allow water to flow down from Dirty Reservoir through Filter Cartridge into Clean Reservoir.
6. Purge Air From Filter: See Step 4

FILTER WATER

1. Remove the Male Quick Disconnect from the Female Quick Disconnect on the Dirty Reservoir.
2. Fill the Dirty Reservoir with unfiltered water via zip opening. Close the zipper on the top of the Dirty Reservoir to seal.
3. Hang or hold the Dirty Reservoir by its Handles.
4. Reinstall the Male Quick Disconnect. Zipper and Clean Reservoir Cap should be securely closed.
5. Open Shut-off Clamp to start water flow. Allow water to flow down from Dirty Reservoir through Filter Cartridge into Clean Reservoir.
6. Purge Air From Filter: See Step 4

PURGE AIR AND BACKFLUSH

Purge air from filter to maximize flow rate, and finish with a backflush.
1. Filter small amount of water into Clean Reservoir. (See Step 2.)
2. Hold or hang Clean Reservoir above the Dirty Reservoir. Allow clean water to filter back through the filter until air bubbles are gone.
3. Re-hang Dirty Reservoir above Clean Reservoir to filter dirty water.
4. To backflush: just before Dirty Reservoir runs dry, hang Clean Reservoir above Dirty Reservoir again, this time opening Dirty Reservoir, allowing backflushed water to run out of reservoir until water runs clear.

PACK AND STORE GRAVITYWORKS SYSTEM

Always disinfect the filter before and after long-term storage, or after long-term use (15+ consecutive days).

1. Remove Male Disconnect from Dirty Reservoir.
2. Rinse Dirty Reservoir with clean water.
3. Mix a solution of 2 drops of household bleach (without fragrances or dyes) to 1 liter of water in Dirty Reservoir.
4. Assemble GravityWorks system.
5. Open Shut-off Clamp and let bleach solution filter through system into sink.
6. Air or towel dry GravityWorks system parts completely.

DISINFECT FILTER

To eliminate the growth of bacteria or mold and help restore flow rate, always disinfect the filter before and after long-term storage, or after long-term use (15+ consecutive days).

1. Remove Male Disconnect from Dirty Reservoir.
2. Rinse Dirty Reservoir with clean water.
3. Mix a solution of 2 drops of household bleach (without fragrances or dyes) to 1 liter of water in Dirty Reservoir.
4. Assemble GravityWorks system.
5. Open Shut-off Clamp and let bleach solution filter through system into sink.
6. Air or towel dry GravityWorks system parts completely.

WARNING

To avoid contamination when filtering water, never splash dirty or unfiltered water into clean container.

WARNING

Never allow Filter Cartridge to freeze because freezing the filter will permanently damage the internal fibers. Always wash and dry filter parts after use.

WARNING

Handle Filter Cartridge carefully because a damaged filter cannot prevent exposure to harmful microorganisms. Test filter for damage if dropped 5 feet (1.5 meters) or greater onto a hard surface. (See Filter Integrity Test.) If filter is damaged, discontinue use and replace cartridge.

WARNING

Handle bleach carefully because it can stain or discolor clothing.

WARNING

Disinfect filter thoroughly before long-term storage to prevent the growth of mold, mildew, and bacteria. Never use a dishwasher or microwave to disinfect parts because the high heat will damage or melt filter components.