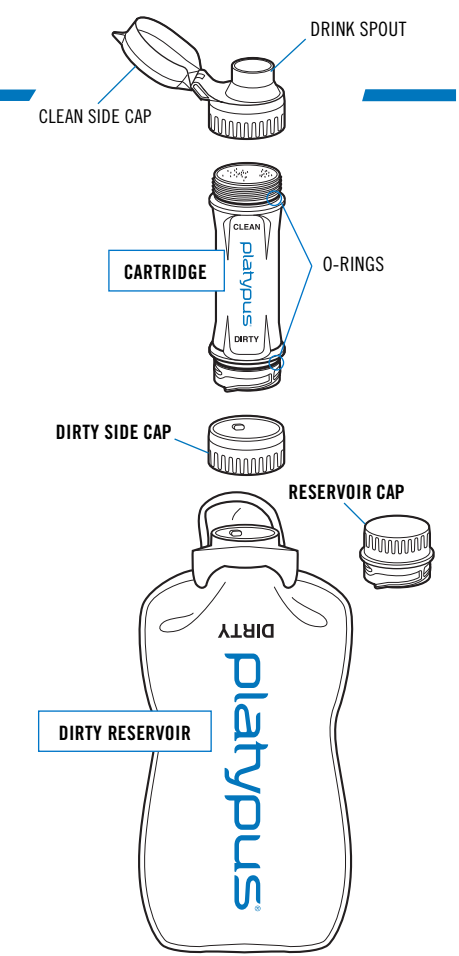


QUICKDRAW™ MICROFILTER

The QuickDraw uses hollow fiber technology to remove particulates and waterborne pathogenic bacteria and protozoa from fresh water sources. This filter does not remove viruses.



QUICKDRAW CONTENTS



QuickDraw dirty reservoir only comes with the QuickDraw Microfilter + 1L Reservoir System

⚠ 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. Using this 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 JUDGEMENT.

Never use the QuickDraw to filter seawater or chemically contaminated water, such as water from mining tailing ponds or near large agricultural operations. The QuickDraw does not make drinkable water from these sources and does not remove all viruses, chemicals and radioactive materials, or particles smaller than 0.2 Microns.

Keep the dirty reservoir, reservoir cap, dirty side cap and other potentially contaminated parts away from filtered water to prevent cross contamination.

READ, UNDERSTAND, AND FOLLOW ALL instructions and warnings in this manual before using this filter. Failure to follow warnings and instructions may result in gastrointestinal illness.

IMPORTANT

Read and understand this entire manual carefully before assembling or using this water filter. Improper use of the filter may void the warranty and result in gastrointestinal illness. Keep this manual for future reference. If you do not understand this manual or have any questions, please call Cascade Designs at 1-800-531-9531.

TIPS

WATER COLLECTION

Use the cleanest, clearest water source available. Moving water is better than still water.

Filtering silty, cloudy, muddy, glacial or tea-colored water that contains visible tannins can clog the filter faster.

To purify water with suspected waterborne viruses, use an EPA (or regional equivalent) approved drinking water disinfectant such as MSR® Aquatabs®.

OPERATION

To achieve optimal flow rates, it is good to “wet” the filter before use in the field. Filter 1L of tap water through the filter prior to departure (see Using the QuickDraw).

To maximize the performance and lifespan of your QuickDraw, do not touch the hollow fibers.

MAINTENANCE

The filter uses self-lubricating o-rings. If the filter becomes difficult to attach to the reservoir, inspect the o-ring for damage. If necessary, either replace the o-ring or lubricate it with a food safe silicone lubricant. Lip balm is a good in-field lubricant.

USING THE QUICKDRAW

The QuickDraw filter cartridge comes fully assembled inside the box. Once removed, and wetted out, it is ready to attach to a compatible reservoir or bottle and start filtering.

QUICKDRAW FILTER + QUICKDRAW RESERVOIR

01. If necessary, remove the reservoir closure cap and safely set it aside. (Fig 1)
02. Fill the QuickDraw reservoir at the source. (Fig 1)
03. Remove the dirty side cap on the QuickDraw cartridge and safely set it aside. (Fig 2a)
Attach the filter cartridge to the reservoir. (Fig 2b)
The QuickDraw reservoir accepts the outside set of threads on the dual-thread dirty side of the QuickDraw.
04. Invert the reservoir over the cartridge so that the end of the filter cartridge is submersed. (Fig 3)
05. Open the clean side cap and make sure the spout is positioned to deposit clean water into a clean reservoir or your mouth. (Fig 4)
06. Squeeze reservoir with consistent pressure to push the water through the hollow fiber cartridge until the reservoir is empty or you have filtered the desired volume of water. Slowly rolling the reservoir down is an effective way of squeezing the water through the filter.

Fig 1

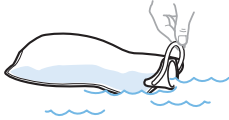


Fig 2a

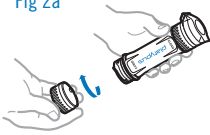


Fig 2b

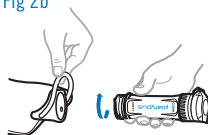


Fig 3

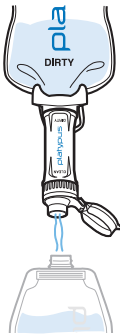
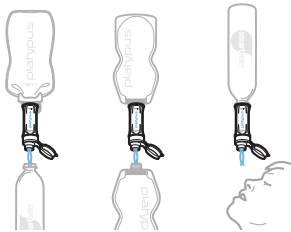


Fig 4



MULTIPLE USE MODES

The inside/outside dual-thread design allows the QuickDraw to be used with multiple types of dirty bottles and reservoirs. Repeat steps 1-6 using one of the following compatible bottles or reservoirs in place of the QuickDraw reservoir:
- Platypus® SoftBottles™ - Platypus 2L - Platypus Water Tank - Platypus Hoser - smartwater® bottle.



Note: smartwater® bottles are rigid PET 28mm bottles. This is a common size for soda/water bottles and the inside threads of the QuickDraw may be compatible with bottles that are not named here. To see if a bottle other than the smartwater® bottle is compatible, perform the following inspection to verify the gasket seal is working as designed:

1. Fill the bottle with water.
2. Attach it to the QuickDraw filter. The inside set of threads accepts compatible 28mm bottles.
3. Close the clean side cap, invert the filter and squeeze the bottle.
4. Inspect for water leaking between the bottle and filter interface. If a leak is present then the bottle is not compatible.

Note: When using rigid bottles like a smartwater® bottle, after a period of time squeezing water from the bottle, you may have to unscrew the cartridge from the bottle to let air back into the bottle in order to finish filtering.

DIRECT TO DRINK/MOUTH

Using the QuickDraw with any of the above reservoirs or bottles allows you to safely filter water directly into your mouth.

⚠ WARNING

Do not drop or freeze the QuickDraw Microfilter. A damaged filter cannot prevent exposure to harmful microorganisms. If you suspect the cartridge may be damaged, perform an integrity check (see Integrity Check). If the cartridge is damaged, discontinue use and replace it.

⚠ WARNING

If the spout becomes contaminated with dirty water, rinse it with clean water or a bleach solution (see “Disinfecting and Long-Term Storage”) before filtering your water or drinking from the spout.

CLEANING THE FILTER

For best results, clean the filter every 8 liters to prevent clogging and extend the filter's lifespan.

SHAKE METHOD

The shake method is the easiest way to clean the filter in the field.

01. With your preferred dirty reservoir or bottle, fill 1L of water at the source.
02. Filter 3/4L of through the filter so 1/4L remains.
03. First, holding the filter and reservoir horizontally, shake vigorously for approx. 15 seconds. (Fig 5a) Then, hold them vertically so the filter is above the reservoir, and shake vigorously for approx. 15 seconds. (Fig 5b)
04. Unscrew the filter and empty dirty reservoir. Refill and resume filtering.
05. If flow rates are not sufficiently restored, repeat. If problem persists attempt a backflush (see Backflush Method).

Fig 5a

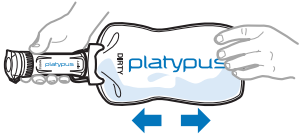
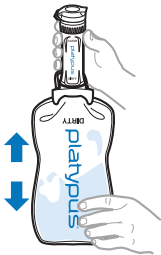


Fig 5b



BACKFLUSH METHOD

The QuickDraw can be backflushed with a standard disposable soda/water bottle like smartwater®, a Platy SoftBottle or any bottle with a compatible 28mm opening. Backflushing is the most effective way to clean the filter in the field or out.

01. Fill your dedicated clean bottle or reservoir bottle with clean water.
02. Remove the dirty side cap from the filter cartridge and set aside.
03. Insert the filter drink spout into the bottle. It should nest and create a seal when held in place.
04. Invert the bottle over the filter cartridge and squeeze to push the clean water back through the filter. Water will come out of the dirty side so take care not to get wet. (Fig 6)
05. Backflush at least 1/2L of water or until water runs clear out of the dirty side.



Fig 6

Note: If backflushing in the field, you will need a dedicated clean reservoir or bottle in order to avoid contaminating the clean side of your QuickDraw.

DISINFECTION AND LONG-TERM STORAGE

Disinfecting the filter before long term storage will prevent growth of microorganisms in the cartridge, ensuring the fastest flow rates upon next use and extending the filter's lifespan.

01. In your dirty reservoir or bottle mix 2.5mL (1/4 Tsp) of bleach with 1L of tap water.
02. Attach filter cartridge to the dirty reservoir, safely setting aside the caps.
03. Filter 1/2 of the solution through the cartridge.
04. Attach clean side cover cap to cartridge and let it sit for 30min.
05. Afterwards, filter the remaining 1/2 through, replace the clean side cover cap again and let it sit for another 30 min.
06. When the reservoir is empty, detach the filter. Leave the reservoir cap off until the reservoir is fully dried.
07. Drain any excess water from the cartridge and replace the cap.
08. Dry the other components. When the reservoir is dry, replace the cap.
09. Store away from direct sunlight in a place where it won't freeze or be dropped.

Note: It is okay to store the cartridge with wet hollow fibers so long as it has been sterilized. The bleach solution will prevent the growth of microorganisms. However, a fully dry filter will protect it against freezing.

Note: To fully dry the hollow fiber cartridge:

- After sterilizing, leave the dirty side cap off and flip open the clean side cap.
- Let the filter sit like this at room temperature for at least one week.

WARNING

Never store the QuickDraw filter cartridge in temperatures below 32F/0C. Freezing the filter will permanently damage the hollow fibers.

WARNING

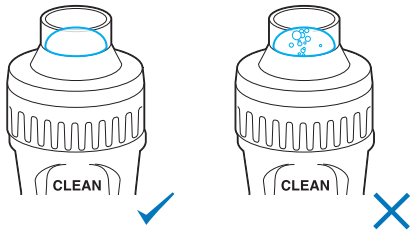
Never use a dishwasher to disinfect or clean the filter. High heat will melt or damage the hollow fibers.

INTEGRITY CHECK

If dropped or frozen, the hollow fibers in the cartridge can be compromised. If you are worried this has occurred, check if the filter is safe to use with the following method:

01. Fill your reservoir with 1L of water, and attach it to the dirty side of the cartridge.
02. Filter approximately half of the water through the cartridge.
03. Flip reservoir upside down so the bottom of the filter (dirty side) is in contact with air inside the empty reservoir.
04. Squeeze firmly on the bag for 20 seconds to push air up through filter.
05. During those 20 seconds, look for a steady stream of bubbles in the spout emerging from the hollow fibers on the clean side.
06. A steady stream of bubbles indicates the hollow fibers are compromised and the filter is NOT SAFE TO USE.

Note: It is important that the hollow fibers are fully wetted out in order to successfully perform the integrity check. If they are not fully wetted the integrity check may result in false results. If your filter is dry, passing up to 4 liters of water through the filter may be necessary to fully wet out the hollow fibers. If possible, use clean water to wet out the filter.



LIMITED WARRANTY/LIMITATIONS OF REMEDIES AND LIABILITY
USA AND CANADA

Limited Warranty. Cascade Designs, Inc. ("Cascade"), to the original owner ("Owner"), under intended use and maintenance, warrants the enclosed product ("Product") to be free from defects in materials and workmanship for the life of the Product. No warranty against defects in materials and workmanship will apply if Product is (i) altered in any way, (ii) used for purposes inconsistent with Product's intended purpose or design, or (iii) improperly maintained. Warranty will furthermore be voided where Owner/user (i) failed to follow Product instructions or warnings or (ii) subjected Product to misuse, abuse, or neglect.

During the warranty period, original Product parts determined by Cascade to be defective in materials or workmanship will be repaired or replaced as Owner's sole remedy. Cascade reserves the right to replace any discontinued product with a new product of comparable value and function. A returned product deemed irreparable becomes the property of Cascade and will not be returned.

EXCLUDING THE LIMITED WARRANTY PROVIDED ABOVE, CASCADE, ITS AFFILIATES AND THEIR SUPPLIERS, TO THE MAXIMUM EXTENT PERMITTED BY LAW, MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, AND DISCLAIM ALL WARRANTIES, DUTIES AND CONDITIONS, WHETHER EXPRESSED, IMPLIED OR STATUTORY, WITH RESPECT TO THE PRODUCT, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, AGAINST LATENT DEFECTS, FITNESS FOR A PARTICULAR PURPOSE, OR CORRESPONDENCE TO DESCRIPTION.

Warranty Service. To obtain service under this warranty, the warranty-eligible Product must be presented to a Cascade authorized dealer. In the United States and Canada, warranty service may also be obtained by calling 1.800.531.9531 [M - F, 8:00 a.m. - 4:30 p.m., PDT]. Owner is responsible for all costs associated with returning Product to Cascade for service. Where at its sole discretion Cascade deems Product eligible for warranty repair or replacement, Cascade will pay the shipping and handling associated with returning repaired or replaced Product to Owner. In instances where Cascade deems a returned product ineligible for warranty service, Cascade will, if possible, repair product for a reasonable charge that includes return shipping and handling. For warranty return service details, please go to www.platy.com.

Limitation of Remedies. Should a court of competent jurisdiction find the limited warranty set forth above breached, Cascade's only obligation will be to, at its option, either repair or replace Product. Should the aforementioned remedy fail of its essential purpose, Cascade will, in exchange for return of Product, refund to Owner Product's original purchase price. THE FOREGOING REMEDY IS THE SOLE AND EXCLUSIVE REMEDY OF THE PURCHASER AGAINST CASCADE, ITS AFFILIATES AND THEIR SUPPLIERS, REGARDLESS OF LEGAL THEORY.

Limitation of Liability. Cascade's, its affiliates' and their suppliers' maximum liability is limited to incidental damages not to exceed the original purchase price of the Product. CASCADE, ITS AFFILIATES AND THEIR SUPPLIERS HEREBY DISCLAIM AND EXCLUDE ANY LIABILITY FOR ANY CONSEQUENTIAL OR OTHER DAMAGES RESULTING FROM ANY REASON WHATSOEVER. THIS EXCLUSION AND LIMITATION APPLIES TO ALL LEGAL THEORIES UNDER WHICH DAMAGES MAY BE SOUGHT, AND WILL APPLY EVEN IF ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE.

This limited warranty gives Owner specific legal rights; Owner may have additional rights, which may vary state to state. Always completely follow safety, use, operation, and maintenance instructions for this or any other Cascade product. European Union customer statutory rights are not affected.

FOR PRODUCT SERVICE AND INFORMATION CONTACT:

Cascade Designs, Inc.
4000 First Avenue South, Seattle, WA 98134 USA | 1-800-531-9531
Cascade Designs, Ltd.
Dwyer Road, Midleton, County Cork, Ireland | (+353) 21-4621400
#34-217 | 10/20
www.platy.com