

PRODUCT & KIT CONTENTS



Main purifier body • Carrying lanyard • Protective caps

PRODUCT OVERVIEW

DesertDrop is a compact, suction-operated personal water purification device for field operations, emergency response and outdoor use. Source water passes through UF, iodine resin and carbon stages before reaching the mouthpiece.

KEY CHARACTERISTICS

- No external power required
- Lightweight personal-carry format
- Three-stage filtration configuration
- Designed for freshwater sources

CONFIRMED TECHNICAL SPECIFICATIONS

170 × Ø28 mm

SIZE

70 g

WEIGHT

2,000 L*

TREATMENT CAPACITY

0.3 L/min*

FLOW RATE

THREE-STAGE FILTRATION SYSTEM

Simplified 3D cutaway - configuration not to scale



SOURCE WATER → UF → IODINE RESIN → CARBON → MOUTHPIECE

* Capacity and flow depend on source-water quality, turbidity, temperature and operating conditions.

1 UF FILTER

Physical filtration stage designed to reduce suspended particles and provide a barrier within the treatment train.

2 IODINE RESIN

Contact-treatment media stage incorporated between the UF and carbon sections.

3 CARBON FILTER

Final conditioning stage that supports improvement of taste and odor before the outlet.

INTENDED USE

For personal freshwater treatment during field deployment, disaster response, emergency preparedness, remote work and outdoor activities. This device is not a substitute for a permanent or professionally managed water-treatment system.

FIELD DEPLOYMENT

DISASTER RESPONSE

REMOTE WORK

OUTDOOR USE

HOW TO USE & CARE

Read all instructions and use limits before operation.



CONCEPTUAL USE IMAGE

BEFORE USE

- Confirm the mouthpiece and intake end are clean.
- Inspect the body, caps and connections for cracks or damage.
- Select the cleanest available freshwater source.

1 OPEN & INSPECT

Remove both protective caps. Keep the mouthpiece from touching source water, soil or dirty hands.

2 POSITION THE INLET

Place the raw-water inlet in a suitable freshwater source or container. Prefilter highly turbid water whenever possible.

3 DRAW WATER STEADILY

Use slow, steady suction through the mouthpiece. Do not bite, bend or force the purifier body.

4 DRAIN & PROTECT

After use, allow residual water to drain. Keep the mouthpiece clean, allow the unit to dry and replace the caps.

AFTER EACH USE

- Drain the purifier without striking or shaking it violently.
- Wipe the exterior with a clean cloth; do not use solvents.
- Prevent the mouthpiece from contacting untreated water.
- Stop using the unit if the body is damaged or flow cannot be restored.

STORAGE

- Store clean and dry with the protective caps fitted.
- Protect from freezing, excessive heat and direct sunlight.
- Keep away from fuel, chemicals, dust and contaminated equipment.
- Do not share the mouthpiece without appropriate hygiene controls.

IMPORTANT SAFETY & USE LIMITS

- Freshwater use only. DesertDrop does not desalinate seawater.
- Do not use water suspected of contamination by fuel, industrial chemicals, pesticides, heavy pollution or radiological hazards.
- Capacity and flow rate vary with turbidity, temperature, source-water quality and operating conditions.
- Do not use a unit that has been frozen, cracked, punctured or otherwise damaged.
- If water has an unusual taste, odor or appearance, stop use and select another source.
- Users with iodine sensitivity or relevant medical conditions should follow local health guidance before use.

DO NOT USE WITH

SEAWATER

FUEL / CHEMICALS

RADIOLOGICAL HAZARDS

DAMAGED / FROZEN UNIT

MANUFACTURER

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