

SMART X SNAP-ON FILTER SYSTEM

Verified Clean Water.
Anywhere. For Everyone.



THE PROBLEM WITH CLEAN WATER TODAY

Every 90 seconds, a child dies
from a waterborne disease.

More than 800,000 people lose their lives every year
because the water they drink is unsafe.



This tragedy persists **despite** billions of dollars spent
on “water filters” that claim to solve the problem.

**Most water filters do not work
where they are needed most.**

WHY MOST FILTERS FAIL IN THE FIELD

Most filtration technologies are incomplete systems. They may perform in laboratories, but they fail under real-world conditions.

Common failures include:

- **No flow control** — water passes too quickly for treatment
- **Single-stage media** — cannot remove viruses, fluoride, or arsenic to WHO standards
- **No verification** — no proof that water is actually safe
- **No scalability** — too complex, expensive, or power-dependent
- **No transparency** — no way for NGOs or donors to verify impact

The result:

A global crisis of trust
in clean-water solutions.



THE SMART X SOLUTION

Smart X is not a filter.

It is a complete clean-water ecosystem.

- Measurable
- Affordable
- Scalable
- Verifiable

Smart X turns clean water into infrastructure, not charity.



SMART X SNAP-ID

KNOW YOUR WATER, IN SECONDS

Smart X Snap-ID is an advanced field tool for accurate water contamination testing. Before inserting any cartridge, Snap-ID pinpoints the precise contaminant with a quick test. No chemicals or lab time needed.



Snap-ID Test Cards
One-time use, disposable

Ensuring the right filter for safe water, every time.

SMART X
MEASURABLE CLEAN WATER

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THREE SNAP-ON CARTRIDGES – ONE PLATFORM

Smart X uses a universal Snap-On platform with three purpose-built cartridges, each engineered for specific regional water challenges.

GREEN

- Virus+ Standard

For general biological and chemical contamination

BLUE

- Virus+ F-Guard

For fluoride-affected groundwater

RED

- Virus+ As-Guard

For arsenic-contaminated regions



Each cartridge is engineered with multi-layer media, defined lifespan limits, and WHO-compliant flow control.

ENGINEERED FLOW CONTROL

Water purification only works if contaminants have enough contact time with treatment media.

Smart X enforces precise WHO-compliant flow rates:

GREEN
1.0–1.5 L/min

BLUE
0.7–1.0 L/min

RED
0.7–0.8 L/min

This guarantees full biological and chemical treatment — every liter, every time.

No guessing.
No shortcuts.
No unsafe water.



SNAP-ON SIMPLICITY

DESIGNED FOR THE FIELD

Smart X is built for environments where power, tools, and trained technicians are unavailable.

- No electricity
- No pumps
- No tools
- No training required



Fill. Hang. Walk away.

Clean water flows within minutes.

GRAVITY BAG SYSTEM

Smart X also works with gravity-driven water bags, enabling immediate deployment for larger groups.

- 2-to 4-liter capacity
- Durable, puncture-resistant silicone
- Does not require suspension tools.

Safe, independent
water supply.
at any site.

Clean water flows within minutes.



SMART SENSOR VERIFICATION

Each Smart X snap-on filter has an internal digital sensor that verifies system performance and tracks critical data.

- Date of last change
- Liters filtered
- Time in service
- Replacement countdown



Clean water, quantified and verified.

DATA & TRUST

Smart X protects stakeholders against failures by democratizing and sharing clean-water data.

- Track every liter of water filtered
- Verify the results of successful programs.
- Maintain a chain of custody of cartridges.
- Share impact with donors, governments and communities.



Transparency builds **trust** in safe water.

LET'S BUILD TRUST IN CLEAN WATER

It's time for clean-water solutions that are measurable, affordable, and trusted.

Together, we can save lives
and build trust in communities.

Let's build a better future
for millions—one drop at a time.



MEASURABLE. AFFORDABLE. VERIFIABLE.

SMART X

MEASURABLE. CLEAN. WATER.

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