



- provides devices for storage and transport of drinking water, especially for the emergency and relief markets.

SUSTAINABLE DEVELOPMENT GOALS

6 CLEAN WATER
AND SANITATION



3 GOOD HEALTH
AND WELL-BEING



13 CLIMATE
ACTION





ROB FLEUREN

Founder of Aquaaid

- Chemical Engineer.
- More than 30 years experience.
- Has been in public health since year 2001.
- Have developed two major products for the public health BOP sector: Permanet, Lifestraw & Dawanet.
- Strong experience in setting up companies, starting up and to get an idea to the market.



LARS THOUGAARD

Founder of Aquaaid

- Mechanical and electronic engineer.
- Packaging and container development
- More than 30 years of experience.
- Securing development and manufacturing of phones e.g. the first iPhone.
- Strong experience in international manufacturing, introducing new technology and quality control during development.
- Works for clients in USA, Cental Europe, Scandinavia and Asia.

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- Provides solutions for the **biggest global challenges: Water transportation and waste management**
- Has 30+ years experience in innovation
- Professional background as chemical mechanical and electronic engineers.
- Strong experience in international manufacturing, new technology and quality control during development.
- Gained traction with major, international NGOs
- Earlier products includes: Permanet, Lifestraw & Dawanet.



AQUAID WATERBAG

Holding and carrying water from
the water source to home or
temporary home

Photo by CareNederland, Ethiopia, april 2019



WASH IN NGOs

Primary target groups



MSF had a total budget of **1.438,3 million EUR** provided by the private sector, where 85% was spent on WASH programmes. (2016)



Unicef has spent **448 million EUR** in humanitarian situations providing 28.8 million people with access to safe water and 7.2 million people with improved sanitation. (2017)



OXFAM

Oxfam has spent **326 million EUR** on WASH programs.



FEEDBACK FROM NGO'S:

"(...) I do think it is a good design and will store the information so that if there is a situation where we think it would be more appropriate than the Oxfam Jerrybucket then we'd get in touch."

"(...) Good to be carried out in the head, it is quite comfortable and can be done even by people without the habit. Once filled the bag is quite stable, stays ok in flat/semi flat (tested) terrain Folds very small, good for transport"

"(...)The tap is beautiful. This economizes water consumption, because the water no longer gushes out like the jerry can"

*Gart van Leersum
Programme Officer
Disaster Risk Reduction at
CARE - 2019*



*Andy Bastable,
Oxfam bucket
designer - 2016*



*Alker Montes-Burgos
+ Åshild Skare - 2018*





AQUAID WATERBAG

Transport of water and keeping it safe from bacteria

- Keeping the water free from contamination
- Capacity for minimum 15L
- Excessive and long-term use
- Carry in hand, or on top of the head
- Low cost logistics, transport and storage

WATER TRANSPORTATION

This is how it NORMALLY works...



TRANSPORTATION

- In refugee camp or emergency camps, water are usually being trucked in for distribution.



DISTRIBUTION

- People lining up with all water containers available.
- Time-saving features have to be taken in account in the often impatient and stressful situation, people are in, when lining up for water supplies.
- All jerry cans, buckets, bottles are being used as open or semi-closed containers.



SAFE WATER

- The valuable water has to be carried from the delivering spot to the home.
- The water has to be stored bacteria-free during its use.
- Preventing any waterborne bacteria to infect the water.



UNSAFE WATER

- Over time, and due to bad hygiene, the safe water becomes infected with bacteria.



UNSAFE WATER

- The now unsafe water is infected with bacteria and results in diseases such as fatal diseases such as Cholera. • Typhus - Diarrhea.

WATER TRANSPORTATION

...This is how **AQUAID WATERBAG** does it!



TRANSPORTATION

- In refugee camp or emergency camps, water are usually being trucked in for distribution.



DISTRIBUTION

- Time-saving features have to be taken in account in the often impatient and stressful situation, people are in, when lining up for water supplies.
- The opening is adequate for rapid filling.
- The **WATERBAG** can be filled on site, packed on the truck and .swiftly being delivered



SAFE WATER

- The valuable water has to be carried from the delivering spot to the home.
- The water has to **stored bacteria-free** during its use.
- The **WATERBAG** will not be contaminated during transportation.



BAG TO LATRINE

- After 5000L /365 days; or depending on the needs, the **WATERBAG** can be used as latrine.
- Besides the use as a latrine, the **WATERBAG** can be converted in medical thermal cover, rain protection or..



WASTE TO FOOD

- Through **autoclaving** the waste can be converted into bio-mass, suitable for manure for the topsoil.
- Breaking the cycle of bacteria **infecting the food and water.**



AQUAID WATERBAG

Storage, logistics and transport of waterbag and filter unit



- Flexible and lightweight material, more than 10,000 bags per tons.
- Packed flat in carton boxes.
- Rolled in tube of fiber sack.
- Delivery by drones, reaching emergency zones in destroyed and otherwise inaccessible areas.

AQUAID WATERBAG

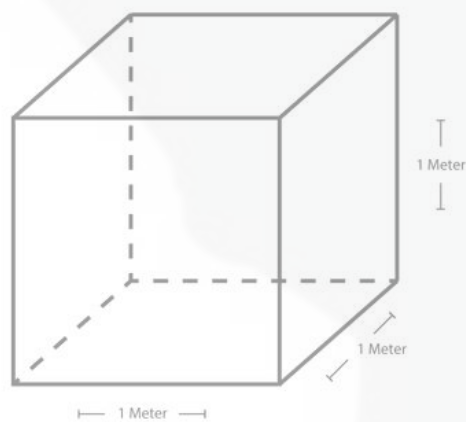
Price & loadability



BUCKET

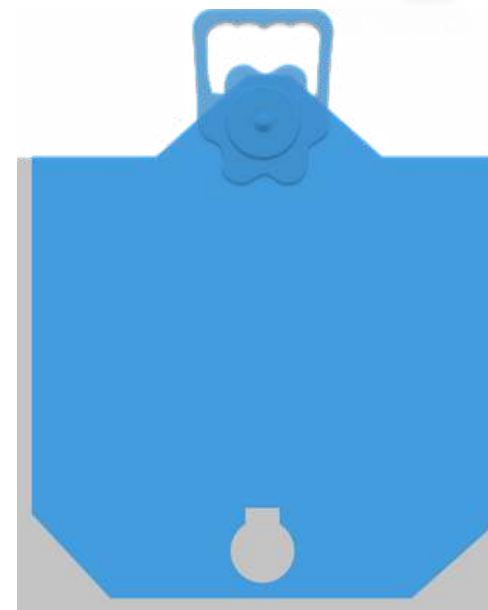
PACKING & SHIPPING

Jerry Buckets: **200 pcs**
- with lids, stacked on pallet
Gross weight: **190 KG/1 kg pr. pcs**
Dimensions: **120x100x124 cm**



ESTIMATED LOADABILITY

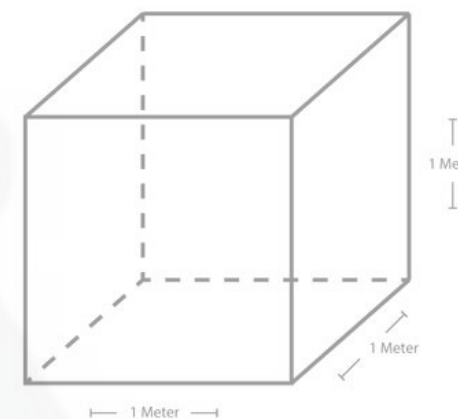
1 44 palletsm3: **134 Units**
Weight: **10.000 units = 9,500 Kg**



AQUAID WATERBAG

PACKING & SHIPPING

AquaId Waterbag: **200 units per carton**
Multiple packing modes:
Coiling, folding, stacking etc.
Gross weight: **18 kg/ctn**
Dimensions: **40x50x60 cm**



ESTIMATED LOADABILITY

1 m3: **1667 Units**
Weight: **10.000 units = 900 Kg**

10x smaller than a bucket
10x lighter than a bucket

AQUAID WATERBAG LOADABILITY

BUCKET



ESTIMATED LOADABILITY

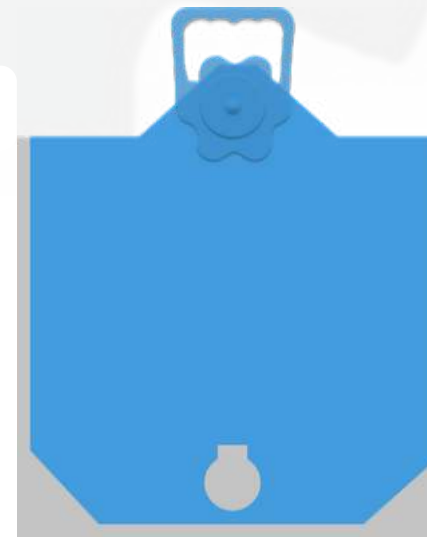
Container: 40' HC / 44 pallets

200 pieces per pallet = **8,800 pcs.**

MUST be shipped on pallets!

- includes extra weight, loss of materials etc.

AQUAID WATERBAG



ESTIMATED LOADABILITY

Container: 40' HC / 18 pallets

360 ctn per pallet = **72.000 SKUs.**

Flexible shipping modes:

ship, airplane, helicopter, drone etc.

Shipped in cartons **without** pallets:

500 ctn per container = **100.000 SKUs.**

AQUAID WATERBAG BECAUSE...

- Provides solutions for the **biggest global challenges: Water transportation and waste management**
- Multifunctional
- Production is ready to scale
- Traction with major, international NGOs
- Earlier products includes: Permanet, Lifestraw, SafeHands & Dawanet.



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