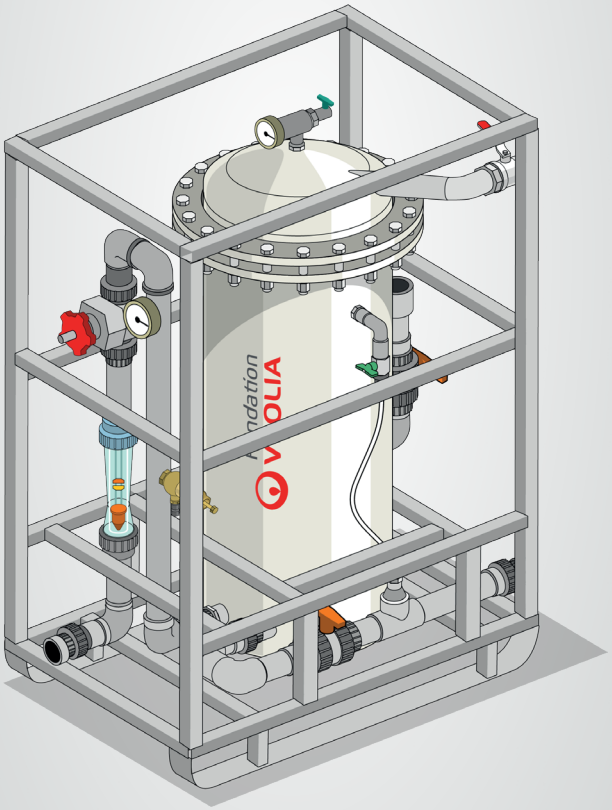
Aquaforce 7 500

Mobile water treatment unit by ultrafiltration
Capacity: 7,500 people



The mobile unit

▶ A mobile, autonomous and high-capacity drinking water production unit (7,5 m³/h), adapted to humanitarian emergency contexts for direct distribution to disaster-affected populations and/or in refugee camps.

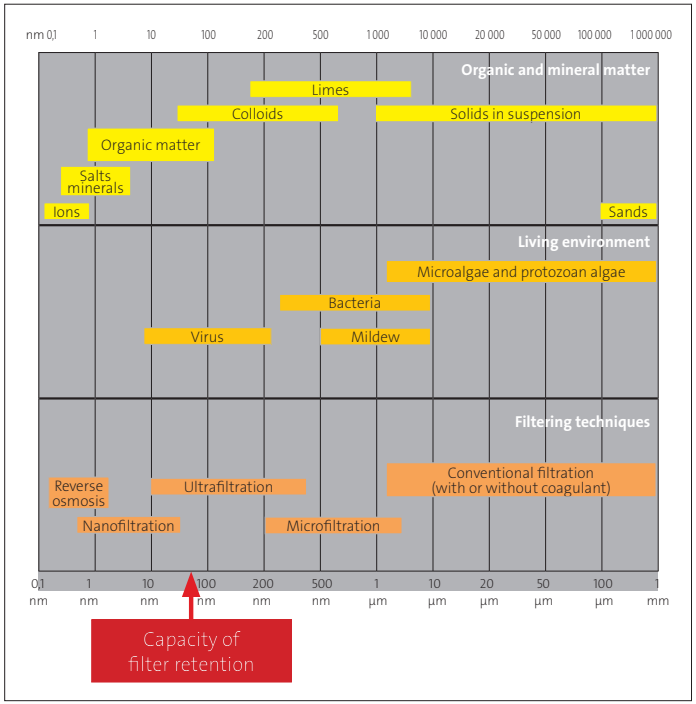
▶ High production flow rate and additional equipment to adapt quickly to all contexts: access to raw water to be treated, intended distribution methods (networks, standpipes, water trucking, etc.).

▶ A deployment accessible to the greatest number of people: simplified and robust equipment for long-term use of the station; pedagogical training materials allowing a quick introduction.

▶ Two Aquaforce 7,500 lines can be combined and operated in parallel to adapt to the specific needs and requirements of each field of operation.

Ultrafiltration

Equipped with ultrafiltration membranes with a cut-off threshold of 0.04 µm, Aquaforce 7,500 eliminates all colloids and bacteria, as well as the majority of viruses potentially present in raw water. The procedure is completed by a granular activated carbon treatment to treat colour, odour and some complex pollution. The treatment is completed by the injection of chlorine to finalize the disinfection and ensure persistence in the distributed water.



In the field

Mozambique, 2019: Cyclone Idai
A 7,500 line, producing half the maximum capacity of the Aquaforce 15,000, has been deployed in a cholera treatment centre in the city of Beira.

South Sudan, 2025: refugee camps
An Aquaforce 7,500 unit is deployed in partnership with the International Organization for Migration (IOM, United Nations) to support the production of drinking water in camps for displaced persons.

TECHNICAL INFORMATION

Weight: 2 tonnes
Volume: 13 m³
Flow rate: 7,5 m³/h

Capacity: 7,500 people*
Mounting time: 1 day
Cut-off threshold: 0.04 µm

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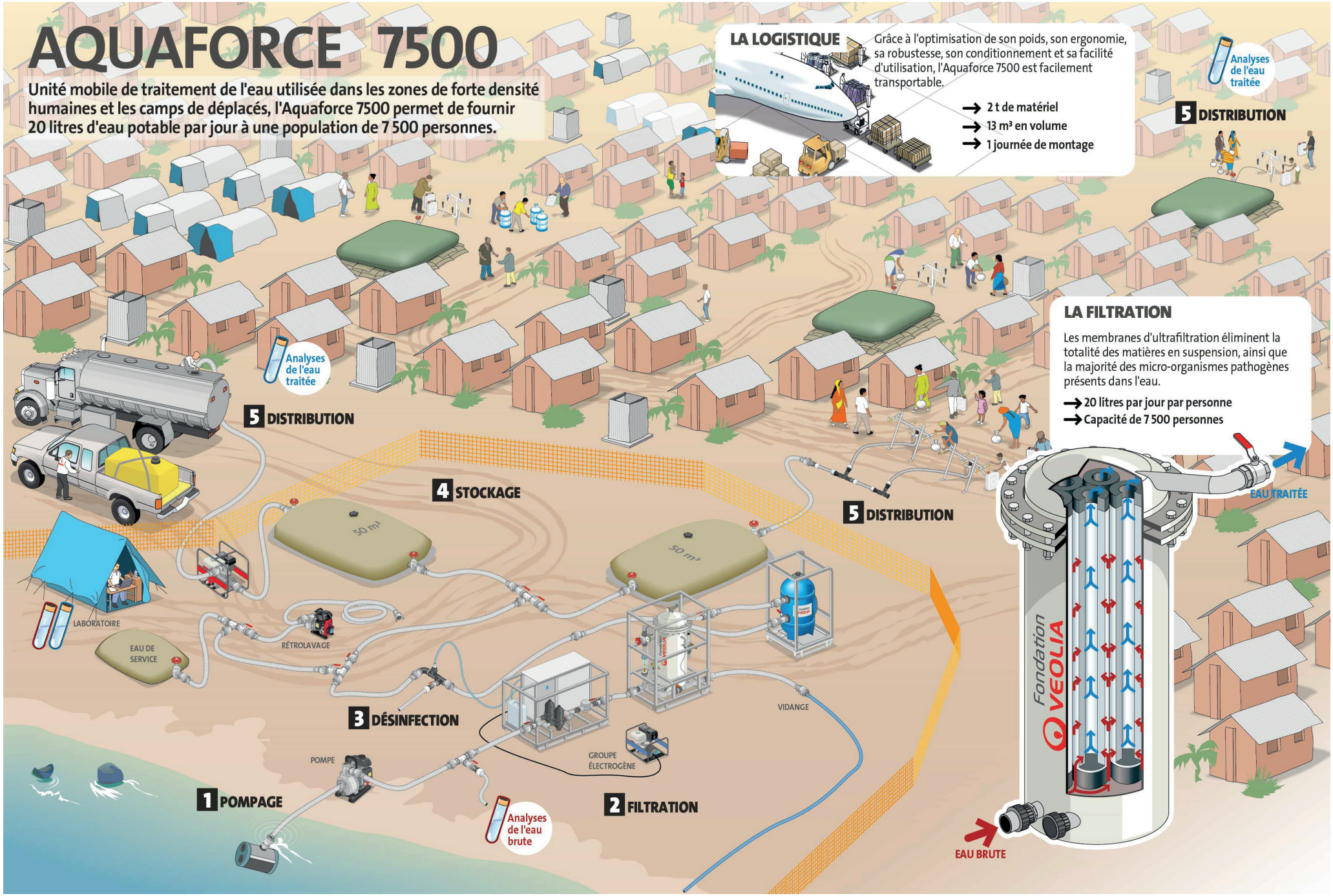
*According to WHO recommendations.



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