

AquaBlock - Community Water Solution

Xylem AquaBlock is a community drinking water system that produces 1,500 liters water per hour to support the daily requirements of up to 10,000 people. AquaBlock design is based on 15 years of experience in providing clean and safe portable water to over 1000 communities in 13 countries. It is suitable for any spaces including office space, public places like bus stops, railway stations etc. It can also be used in the situations where rapid response and a robust, easy to operate solution is of critical need.

Features and Benefits

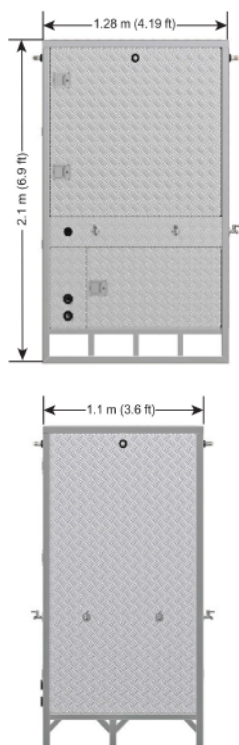
- Turn-key water supply system housed in a lockable, vandal-resistant, aluminum container
- Zero water wastage with 100% treated water made available for use.
- Four-stage water purification process for the provision of clean, safe drinking water from surface and ground water
- Two onboard pumping solutions, selectable with the turn of a valve for any power condition - be it petrol or electric.
- Drinking water production at 1,500 liters per hour capable of supporting the daily drinking water requirements of up to 10,000 people
- Designed and packaged for optimized logistics:
 - 18 unit placement in a standard 40-foot shipping container
 - Compatibility with aircraft main cargo decks and lower cargo holds
 - Size compatibility with truck based express delivery





1. **Pump compartment with a suite of two integrated pumps:**
 - Electric
 - Petrol
2. **Ultrafiltration (UF) filter:**
 - Provides a filtration precision of 0.01 micron
 - Removes up to 99.99% of microbial pathogens, viruses, colloids, parasites, protozoa, and organic and inorganic molecules larger than 0.01 micron in size.
3. **KDF carbon filter:** Removes a wide spectrum of water contaminants
4. **Dosing Pump:** A water-powered proportional dosing pump adds a residual level of free chlorine to the water to keep it safe from recontamination for up to 24 hours
5. **Water Storage Tank:** Food grade (polyethylene), 500 liters (132 gallons) clean water tank.

Dimensions



Specifications

Enclosure dimensions	1.28 m (4.19 ft) * 1.1 m (3.6 ft) * 2.1 m (6.9 ft)
Enclosure material	Aluminium plate
UF membrane material	Modified PVC
UF membrane fiber ID/OD dimension	1.0 mm (0.04 in) and 1.7 mm (0.07 in)
UF filtration precision	0.01 micron (100,000 daltons)
UF membrane area	12.5 sq m (134.5 sq ft)
Working pressure	0.3 bar (4.4 psi) to 2 bar (29 psi)
pH tolerance range	2 to 12
Applicable water temperature	5°C (41°F) to 40°C (104°F)
Designed water production flow	1500 L/hr (396 gal/hr)
Source water turbidity	≤ 15 NTU
Filtered water turbidity	< 0.5 NTU
Silt Density Index (SDI)	< 1.0
Microbial pathogen removal rate	up to 99.99%
Cleaning process	Chlorine liquid soak and air purge
Filtration modes	Basic or enhanced filtration
Chlorine dosing pump range	0.03 to 0.3%
Chlorine solution tank volume	20 liters (5.3 gallons), polypropylene material
Electronic flow meter	Instantaneous and cumulative rates
Carbon + KDF filter	Granular, 25.4 cm (10 in)
Clean water tank volume	450 liters (119 gallons), polypropylene material
Petrol pump	Xylem GWP-35HX
Electric (jet) pump	Xylem J5S
Water inlet and outlet fittings	1-inch internal thread
Power source input	110V - 240V / 50 - 60 Hz

For more information, visit us at our website www.xylem.com/india and for any sales, service and maintenance related support call our toll free no. 1800-572-XYLEM (99536) or write to us at indiasales@xylemnc.com

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Let's Solve Water

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