

UCD® FAST

Simple & Standard – The compact modular Drinking Water Treatment Plant up to 50m³/h

Functioning

Coagulation-flocculation and lamellar settling

- Accelerated separation of water and flocs by passing through lamellar modules
- Sludge collected in the lower part of the settling tank and evacuated by automatic extraction

Filtration

- Sand filtration, under pressure, with manual or automatic filter washing.

Applications

- Inspired on the conventional UCD LML Water treatment process (coagulation / flocculation / settling / filtration & disinfection)
- Average charged waters in turbidity (colloids, color), until 500 NTU
- Source: boreholes, rivers, dams

Performances

- WHO standards
- Reliable and complete Water treatment process adapted to different types of raw water



Technical specs

UCD® FAST Model	Unit	20'	40'
Production / day (23h/24)	m³	345	1150
Instant flow rate	m³/h	15	50
Installed power (pres. = 0.3 bar)	kW mec	2.3	7.7
Consumed power (pres. = 0.3 bar)	kW elect	0.8	2.7
Treated Water Pressure	bar	0.2	0.2
Flocculation Time	min	15	15
Number of skids	-	1	1
Dimension	m x m	5.3 x 2.3	11.8 x 2.3
Surface	m²	12,2	27

Standard

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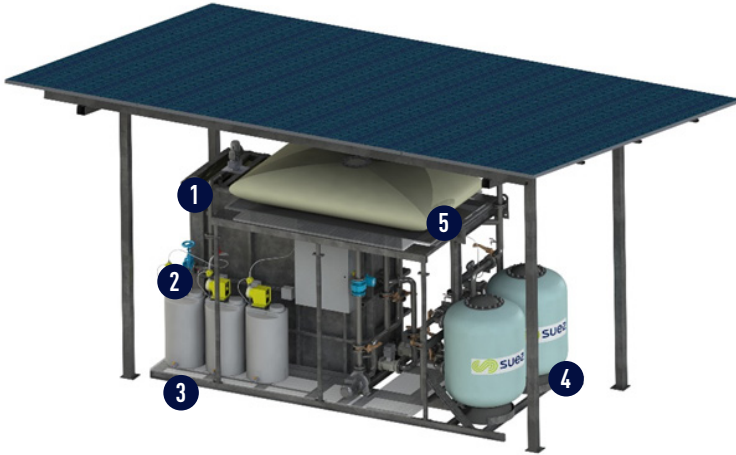
2 available design:

- 20 feet => 15 m³/h
- 40 feet => 50 m³/h

Optional

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- Daytime energy autonomy thanks to a photovoltaic roof
- Raw water pumping station
- Treated water pumping station and reservoir
micro-automate communicating via 2G/4G network in automatic washing version



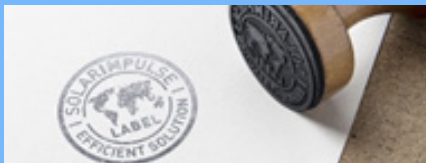
Caption

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1. Coagulation Flocculation
Lamellar settling
2. Raw water
3. Reagents
4. Sand filters
5. Treated water

The Solar Impulse Efficient

Solution Label is designed to shed light on existing Solutions that are both clean and profitable and have a positive impact on quality of life.



Benefits

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- Product adapted to emergency situations and rural development
- Simple & fast to deploy and operate
- Off-the-shelf product and immediate availability (depending on stock)
- Can be moved easily
- Low CAPEX & OPEX
- Easy to integrate different sources of energy (solar panels, wind turbine, electric grid, genset)

UCDs® contribute to the following Sustainable Development Goals:



Contact

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