

# 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 m<sup>3</sup>/h
- 40 feet => 50 m<sup>3</sup>/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



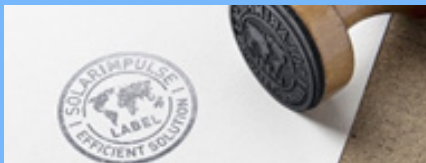
## Caption

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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

[www.suezwaterhandbook.com](http://www.suezwaterhandbook.com)

Degrémont Compact Unit product line  
16 Place de l'Iris  
92040 Paris la Défense - France  
[ucd@suez.com](mailto:ucd@suez.com)

## After Sales

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[sav.ucd.fr@suez.com](mailto:sav.ucd.fr@suez.com)