



# solar Minimus

mobile, cost effective,  
solar powered, water purification

#### Water Treatment for the World

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**FREYTECH** INC.



Worldwide, there are thousands of companies specializing in solar power and even more specializing in water purification. There are, only a small handful of companies, though, specializing in "solar water purification" and fewer, still among this select group, that have truly mastered the rather complex engineering process with practicality, affordability and durability in mind. Freytech solar Minimus is a mobile, turnkey, solar powered water purification system. Designed, engineered and manufactured in the USA.

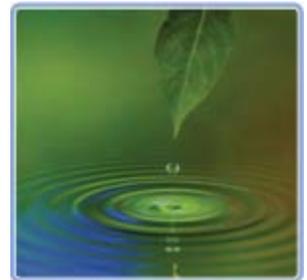
**solar Minimus is the solution**

The Freytech solar Minimus (MIN-FW) Series is our smallest, most affordable and versatile solar powered water purification system. Incorporating cutting edge, solar power, electric inverter, water filtration and purification technology, this rugged, turnkey system provides fresh, clean drinking water from germ laden lakes, rivers, wells and salty oceans meeting and beating strict US Environmental Protection Agency (EPA) and World Health Organization (WHO) drinking water standards. Freytech solar Minimus Fresh Water models (MIN-FW) operate 24 hours a day 7 days a week at full capacity using only the power of the sun. No other solar powered water purification system we know of in the world market place, can run that long without using an alternate source of power such as a diesel powered electric generator. The MIN-FW unit purifies 9,450 Liters per Day (LPD) / 2,500 Gallons per Day (GPD). All Minimus models include a factory-installed pump able to operate in wells up to a depth of 70m / 230ft. Freytech solar Minimus systems - our most affordable engineering marvel for our thirsty world.

**solar Minimus [FW]**

**Standard Filtration**

4 Log (99.99 %) reduction, removal and destruction of bacteria, virus and protozoan cysts (Giardia Lamblia & cryptosporidium).



**stages in FW models:**

- Strainers
- Pleated sediment - 20 micron washable and reusable.
- Granular Activated Carbon / KDF, 10 micron
- Pleated sediment, 1 Micron absolute
- Ultra Violet (UV)

Model	Flow Rate			Width		Length		Height		Weight	
	[lpd]	[gpm]	[gpd]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[kg]	[lbs]
MIN-FW	9450	1.7	2500	1092	43	1524	60	2337	92	132	291

\*Flow rates will vary according to weather conditions.



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The Freytech Multi Minimus system (Multi-MIN) purifies both fresh and salty water and this resolves a serious, global problem. Many coastal communities simply do not have the financial resources to pay for multi-million Dollar, industrial water desalination plants. For a mere fraction of the cost, but with the same degree of reliability and durability, Freytech provides extraordinarily affordable, superb quality, drinking water from ANY WATER SOURCE, using only the power of the sun. This system includes all of our standard filtration, disinfection and purification technology as well as universally tested and accepted reverse osmosis (R/O) filtration. With the flip of one switch, the operator can purify either sweet , brackish or sea water. Systems are built military grade rugged and conform to US Environmental Protection Agency (EPA) and World Health Organization (WHO) drinking water standards. The Multi-MIN system purifies 9,085 Liters per Day (LPD) of sweet water or 1,134 LPD of brackish water or 567 LPD of sea water (2,400, 300 and 150 Gallons per Day - GPD respectively). Freytech solar Minimus systems - our most affordable engineering marvel for our thirsty world.

## solar Multi Minimus

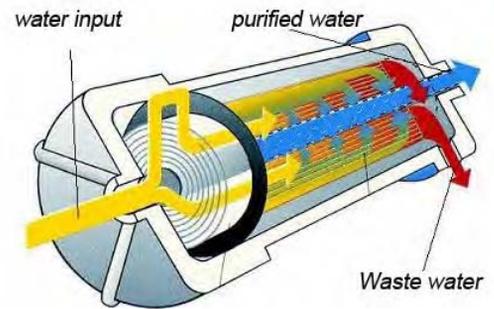


### Standard Filtration

4 Log (99.99 %) reduction, removal and destruction of bacteria, virus and protozoan cysts (Giardia Lamblia & cryptosporidium).

#### stages in Multi models:

- Strainers
- Pleated sediment - 20 micron washable and reusable.
- Granular Activated Carbon / KDF, 10 micron
- Pleated sediment, 1 Micron absolute
- Reverse Osmosis
- Ultra Violet (UV)
- Mineral Replenishing Injection Technology



Model	Flow Rate			Width		Length		Height		Weight	
	[lpd]	[gpm]	[gpd]	[mm]	[in]	[mm]	[in]	[mm]	[in]	[kg]	[lbs]
MULTI-MIN	567	0.21	150	2235	88	3353	132	1702	67	544	1200

\*Flow rates will vary according to weather conditions.



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