



ROTARY CLUB OF BARRANQUILLA

Palermo community drinking water supply project through Sunspring purifier

December 2019

PALERMO VILLAGE



Typical street of Palermo Village



Another street of Palermo Village



Here the water is collected for the houses



Transporting water to the houses



Transporting water to the houses





HYBRID

**Alternative Energy - Decentralized
Microbiological Water Treatment System**



Worldwide Applications

- Developing Countries
- NGOs
- Mission Groups
- Military Organizations
- Emergency Response
- Disaster Preparedness
- USFS
- NPS
- Work Camps
- State Parks
- Camp Grounds
- Marinas
- Golf Courses
- Green Businesses
- Green Residences
- Remote Cabins & Getaways
- RV Parks
- Gas, Oil & Construction sites

www.innovativeh2o.com

Contact info:

Corporate Offices
SunSpring Manufacturing Facility
29625 Industrial Park Road
Rocky Ford, CO 81067
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877.567.9310 - Toll Free
719.254.4427 - Fax
info@innovativeh2o.com

SUN SPRINGTM HYBRID

Solar Powered Microbiological Water Treatment System

Technical Specifications

Peak Flow, Pressure System (LPM/GPM)	Up to 24/3
Peak Flow, Standard Pump (LPM/GPM)	Up to 1/04.5
Peak Flow, Submersible Pump (LPM/GPM)	Up to 15/44.1
Minimum Water Temperature (°C/°F)	>0/32
Maximum Water Temperature (°C/°F)	<50/100
Approximate Flush Volume (liters/US gal)	4.5/1.2
Total System Efficiency	>92%
System Voltage (VDC)	24 VDC
Minimum Suction Lift, Standard Pump	<3'

Standard Equipment:

- 1 MWT-275 Ultrafiltration Membrane Module
- 2 Solar Modules and Wind Turbine
- Gravity @ 50 psi - Up to 7,500 GPD
- Pump 4.5 GPM, up to 5000 GPD (18,925 Liters/Day)
- Pre-Filter Assembly, Stainless Steel Pre-Filter
- Raw and Filtered Water Plumbing
- 24" Diameter Aluminum Diamond Plate Enclosure
- Installation and Training Manual
- Tool Kit, Maintenance Kit, Spare Parts Kit
- Automatic Controllers - Solar, wind and backup
- 12 VDC Plug-Charging Station with 3 Plugs
- Digital Flow Meter (Instantaneous and Totalize)

Optional Equipment for Custom Installations:

- Charging Station (12VDC and/or USB)
- Pre-Filter (Stainless, Paper, Carbon, or Specialty)
- AC Charge Maintainer
- Submersible Pump Package
- Private Labelling (Logos)
- Insulated and Heated All Season SunSpringTMs available
- Solar Module Tripod Package
- Automatic Chlorinator

Please note: Membranes must be kept from drying out and/or freezing

General Information:

Businesses and small communities in remote locations can now take advantage of the same membrane technology used by large-scale water treatment plants in a compact, self-contained alternative energy design.

The SunSpringTM physically removes particulate, turbidity, bacteria, virus and cysts from virtually any water source including rivers, lakes, streams, ponds, shallow wells (GWUD), rain water, or safe municipal supplies and springs.

Features & Benefits:

- Utilizes solar power and wind so can be used in remote locations, all around the world
- Membranes physically block out and remove 99.999% of pathogens from water supply
- Significantly reduces colloids, turbidity, and organics
- Utilizes the same membrane technology closer by large-scale water filtration plants
- Effectively treats ground, surface or storm water sources
- Automated and efficient self-cleaning cycle flushes impurities
- Requires minimal water pressure to operate efficiently
- Rain water harvesting for reuse as drinking water

SunSpringTM Models:

SunSpring SS24
SunSpring SS24H
SunSpring Grid
SunSpring GWD (Ground Water Distilled)



healthymagination

Healthymagination Validated

www.InnovativeH2O.com



Introducing the SunSpring Bottle Buddy

A water bottle clean/sanitize/rinse station designed to be used with the SunSpring Hybrid water purification system. The SunSpring Bottle Buddy cleans, sanitizes and rinses any size water bottles in seconds. The SunSpring Hybrid produces up to 20,000 liters of safe drinking water a day.

Only \$850.00



- Installs in minutes
- 3 hands free nozzles (clean, sanitize, rinse)
- 300:1 sanitizing ejector
- All plastic construction
- Breaks down and fits in duffle bag
- Portable, weighs less than 40 lbs

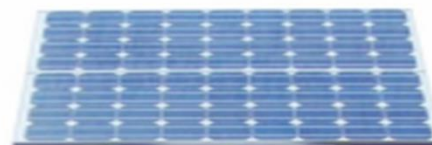


Phone: 719-254-4426
Website: innovativeh2o.com,
Email: info@innovativeh2o.com



SUNSPRING™
innovativeh2o.com

***Private Label “SunSpring
Hybrid” for your
Corporation, Foundation
or NGO***



**Your
LOGO
Here**



SUNSPRING™
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SunSpring Hybrid, Crate Dimensions and Weight

The SunSpring Hybrid, comes complete, all in one crate (standard crate)

- 41" tall by 37" wide by 96" long
- Weight 950 to 1000 lbs (some crates will have extras in them)
- 104.14 cm tall by 91.44 cm by 243.84 cm long
- Weight 430.9 - 453.6 kg (Some crates will have extras in them)

Normal crates will be used for individual shipping.



NEW as of September 2018

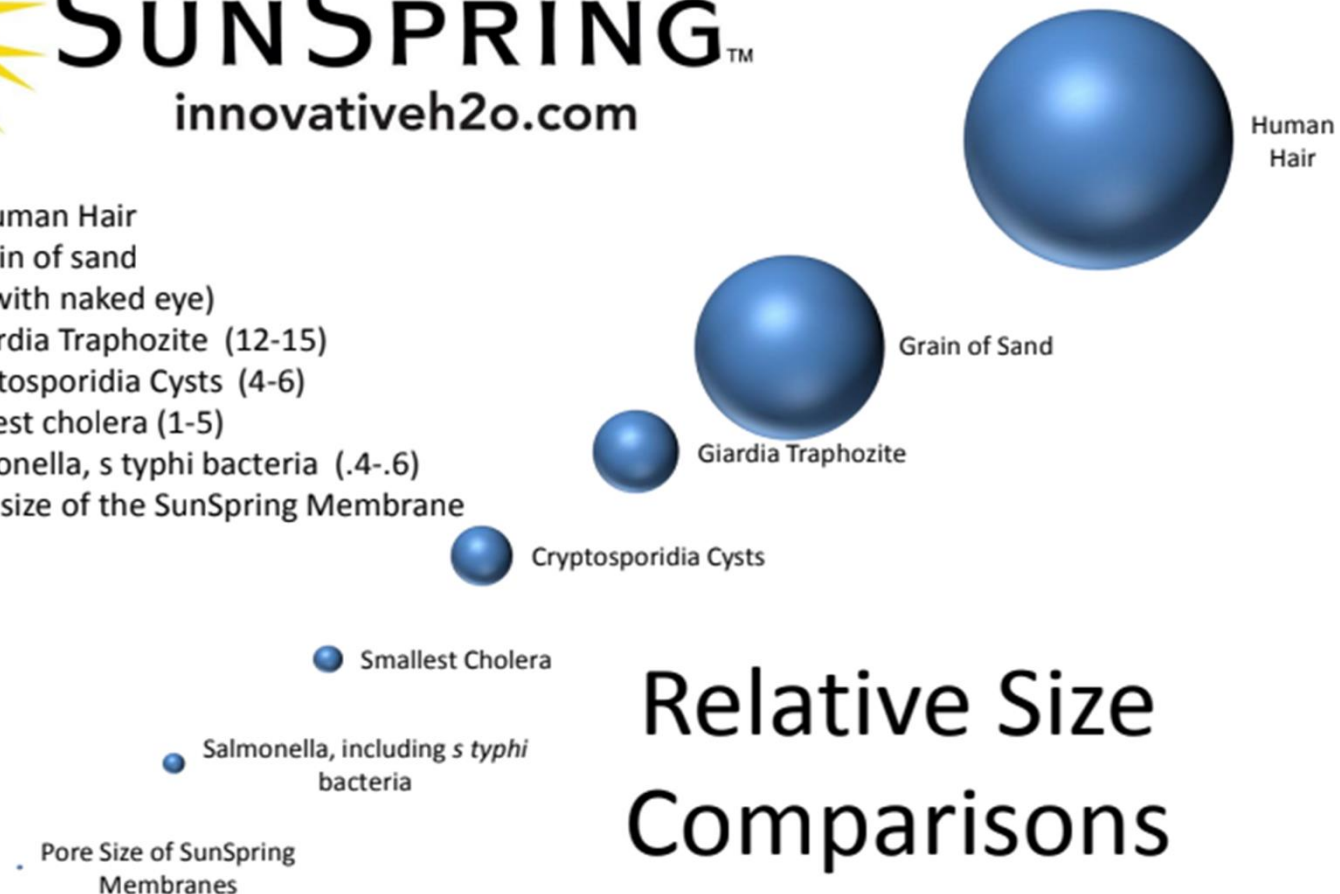
**We have designed a crate specifically for 40 foot shipping containers (Container Crates).
Now 20 SunSpring Hybrids will fit into a Standard 40 foot shipping container.**

Container Crate 41" tall by 37" wide by 93" long



SUNSPRING™
innovativeh2o.com

100 microns = Human Hair
50 microns = Grain of sand
(smallest to see with naked eye)
10 = microns Giardia Traphozite (12-15)
5 microns = Cryptosporidia Cysts (4-6)
1 micron = smallest cholera (1-5)
.5 micron = Salmonella, s typhi bacteria (.4-.6)
.02 micron, pore size of the SunSpring Membrane



The SunSpring is a physical barrier to particulate, turbidity, bacteria, virus and cysts!

				SS Order Sheet 2019	
29625 Industrial Park Road				DATE ____/____/____	
Rocky Ford, Colorado 80167					
Toll Free 877-567-9310, 719-254-4426					
Project/Project Contact: _____					
Phone _____		E-Mail _____			
SunSpring Hybrid, SS24H (fresh water only) info@innovativeh2o.com					
	START DATE	FINISH DATE	TERMS		
			Due upon Order		
QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT		
1	SunSpring Hybrid SS24H, Decentralized Water System	22.000,00	22.000,00		
	O&M Instruction sticker on inside door, in English [] or Spanish []				
	Solar and wind turbine assembly, Multi stage filtration				
	Waterproof control box, security shelf				
	Maintenance kit (Filter wrenches, MIT kit & CIP kit)				
	Standard 17 lpm pump, 2 spigots, tool kit				
	3 plug 12vdc charging station, custom crate				
	State of the art UF membrane technology, O&M Manual				
	Spare parts backpack (includes spare standard pump)				
	1 Stainless steel prefilter (standard BB enclosure), Flow meter/totalizer				
	Piping kit, 3/4" sch 40 pvc pipe, valve, glue and fittings				
	Optional Equipment, extra cost				
1	English and Spanish door instructions	50,00	50,00		
10	Extra 4.5" by 20" stainless steel 100 micron prefilter cartridge	450,00	4.500,00		
1	Sub. pump kit, 100 ft pipe, psi switch and electrical cord	1.999,00	1.999,00		
1	.4 ft3 GAC post media tank, high capacity, extra .6 ft3 and install kit	450,00	450,00		
1	120vac to 24vdc battery charger, maintainer	150,00	150,00		
10	GAC Prefilters, 4.5" x 20" (clean raw water only)	40,00	400,00		
1	Custom Logo, painted one color (+75/ per extra color)	300,00	300,00		
1	Vinyl logo, 16" - 20"	150,00	150,00		
1	Chlorinator Assembly, water powered plus manifold	750,00	750,00		
1	SunSpring Bottle Buddy Kit	850,00	850,00		
1	Tank fill mechanical float, 6" float	122,41	122,41		
1	Electric tank low float, pump safety switch, 20 ft cord	97,21	97,21		
1	3/4" bulkhead fitting	20,79	20,79		
1	2" bulkhead fittings	89,33	89,33		
1	Water Bottle Blaster, Bottle/Bucket Washer	29,99	29,99		
1	Standard Pump, 17 lpm, 24vdc	175,00	175,00		
1	Extra Piping kit, 3/4" sch 40 pvc pipe, valve glue and fittings	150,00	150,00		
1	Battery Hammer Drill Kit, 18vdc	199,99	199,99		
1	5psi Battery low pressure shut off	99,00	99,00		
1	12vdc charger for Hammer Drill	75,00	75,00		
Invoice will be processed off of this Order Sheet		SUBTOTAL	\$32.657,72		
Shop charge of \$75/hour for IWT labor packaging, adding to crate, shipping, receiving and packing extra			\$ 750,00		
Does not include shipping, customs, tariffs, VAT taxes, extra taxes or costs of any kind.		TOTAL	\$33.407,72		
ALL SALES FINAL Standard lead times of 4-8 weeks, Emergency Response lead times will vary.					

Budget

#	Categoría*	Descripción	Proveedor	Costo en moneda local	Costo en US\$
1	Equipos	Sistema de filtración de agua descentralizado	Sunspring	\$ 108.576.000	\$ 33.408
2	Transporte	Transporte USA-Colombia	N/A	\$ 6.370.000	\$ 1.960
3	Impuestos	Nacionalización	Dian	\$ 21.063.744	\$ 6.481
4	Entrenamiento	Entrenamiento en saneamiento básico	N/A	\$ 20.700.000	\$ 6.369
5	Administración	Administración	N/A	\$ 10.857.600	\$ 3.341
6	Administración	Imprevistos	N/A	\$ 10.857.600	\$ 3.341
Presupuesto total:				\$ 178.424.944	\$ 54.900

Proposed Financing

Host Rotary Clubs/Districts		US\$ Cash Direct to Project	US\$ Cash to TRF + 5%		US\$ DDF	
			Cash to TRF	5%		
	Club Rotario de Barranquilla		\$ 5.000	\$ 250		
	Distrito 4271			\$ -	\$ 3.000	
Total Host Contributions						\$ 8.000 26%
International Rotary Clubs/Districts		US\$ Cash Direct to Project	US\$ Cash to TRF + 5%		US\$ DDF	
			Cash to TRF	5%		
	Distritos Internacionales				\$ 15.000	
	Clubes Rotarios Internacionales		\$ 7.600	\$ 380		
				\$ -		
Total International Contributions						\$ 22.600 74% *
Total Contributions		\$ -	\$ 12.600		\$ 18.000	\$ 30.600 100%
Total 5% for cash sent to TRF				\$ 630		
World Fund match (50% Cash, 100% DDF)		-	6.300		\$ 18.000	24.300 **
Total Global Grant Funding						\$ 54.900
Funding from other sources***						
Total Project Funding (must be equal to budget)						\$ 54.900
Total cash to TRF + 5%			\$ 13.230			

Gracias

Thanks

Muito Obrigado