



Emergency Water Response System



Global Influences

→ Hunger and Underdevelopment

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"Water Purely from Air"

Global Influences

- Hunger and Underdevelopment
- The spread of Contagious Disease

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Global Influences

- Hunger and Underdevelopment
- The spread of Contagious Diseases
- Natural Disasters

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Global Influences

- Hunger and Underdevelopment
- The spread of Contagious Diseases
- Natural Disasters
- War

Global Influences

- Hunger and Underdevelopment
- The spread of Contagious Diseases
- Natural Disasters
- War
- The United Nations and UNICEF believe that the future of Humanity will depend on the availability of Water Supply.

Present Day Situation!



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Present Day Situation!

→ Pathogens, Bio-Degradable Matter



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Present Day Situation!



- Pathogens, Bio-Degradable Matter
- N, Nitrate, Ammonia and Nitrite

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Present Day Situation!



- Pathogens, Bio-Degradable Matter
- N, Nitrate, Ammonia and Nitrite
- Heavy Metals

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Present Day Situation!



- Pathogens, Bio-Degradable Matter
- N, Nitrate, Ammonia and Nitrite
- Heavy Metals
- Pesticides, herbicides, THM's (Chloroform, Bromo-dichloro-methane, etc

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Present Day Situation!



- Pathogens, Bio-Degradable Matter
- N, Nitrate, Ammonia and Nitrite
- Heavy Metals
- Pesticides, herbicides, THM's (Chloroform, Bromo-dichloro-methane, etc)
- Artificial Organic Compounds (solvents etc.)

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Few Facts

→ Earth's Surface is made up of mostly water!

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Few Facts

- Earth's Surface is made up of mostly water!
- Only a few Percent of that water is Drinkable!

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Few Facts

- Earth's Surface is made up of mostly water!
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- More than half of what is drinkable is locked in the polar Ice Caps!

Few Facts

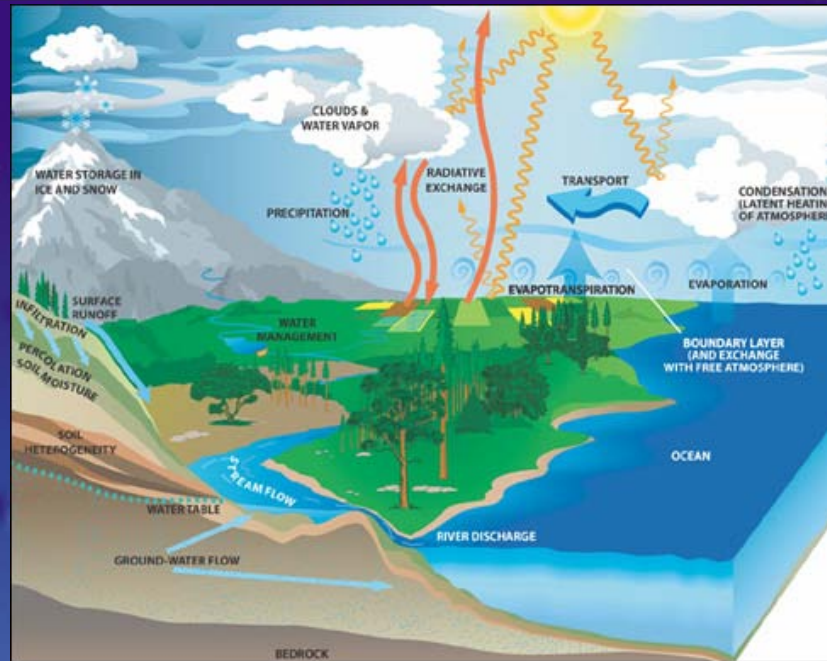
- Earth's Surface is made up of mostly water!
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- Except for water in a different Phase!

Few Facts

- Earth's Surface is made up of mostly water!
- Only a few Percent of that water is Drinkable!
- More than half of what is drinkable is locked in the polar Ice Caps!
- Except for water in a different Phase!
- **Over 16,000 Cubic Kilometers of water in the Atmosphere! Mother Nature's Balance**

Moisture Recovery Theory

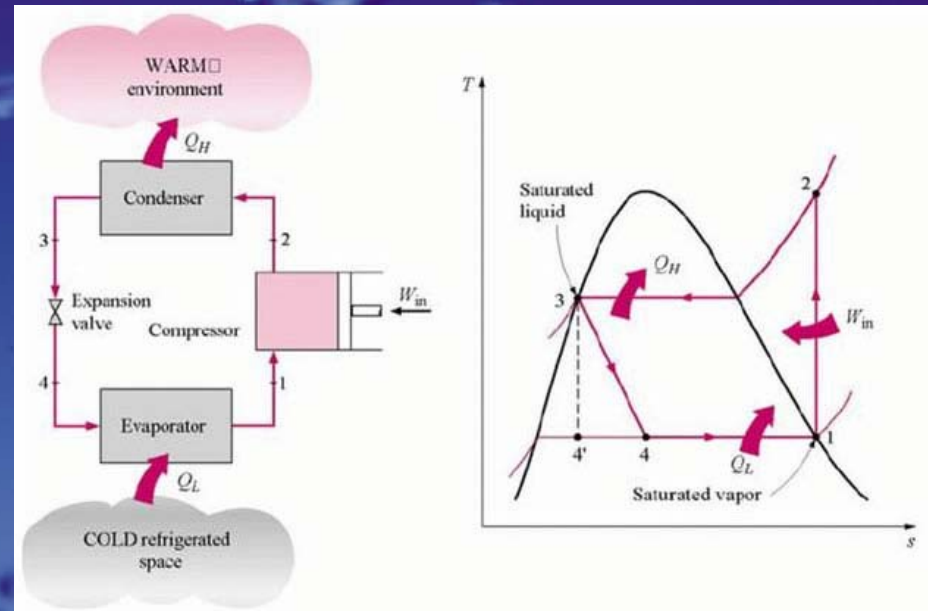
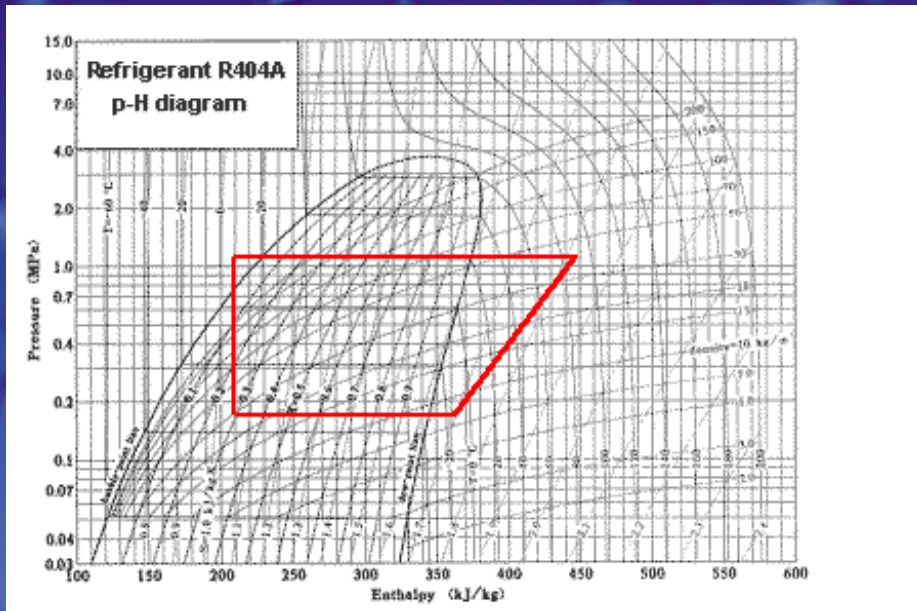
The Hydrologic Cycle



- ➔ Process that dates back to the beginning of time. (billions of years)
- ➔ Mother Nature's way to purify water.

Moisture Extraction

→ Specialized Refrigeration Process



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Moisture Extraction

- Specialized Refrigeration Process
- Stainless Steel Coils, Casing and Accessories



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Moisture Extraction

- Specialized Refrigeration Process
- Stainless Steel Coils, Casing and Accessories
- Specifically rated for each location

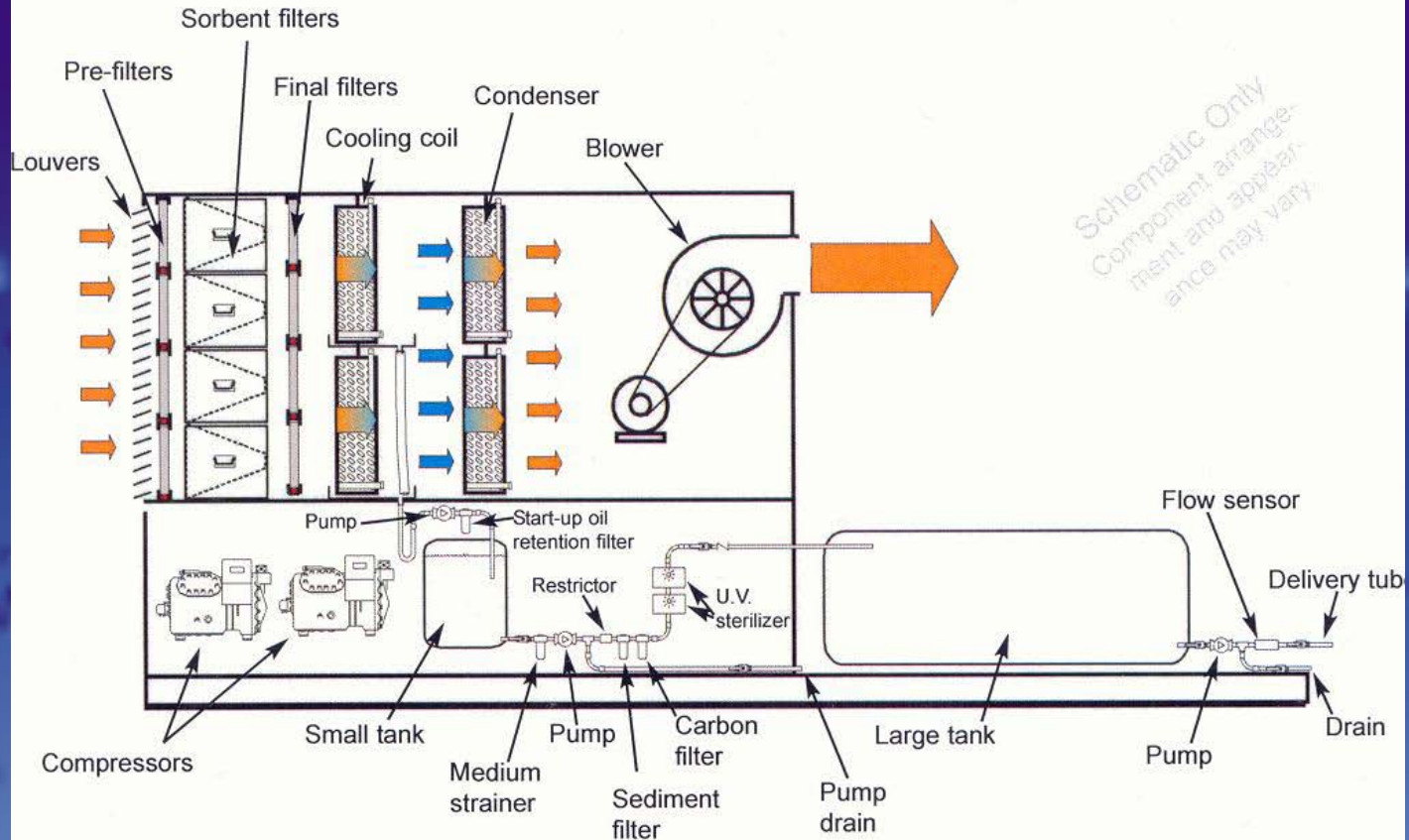


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Unit Layout



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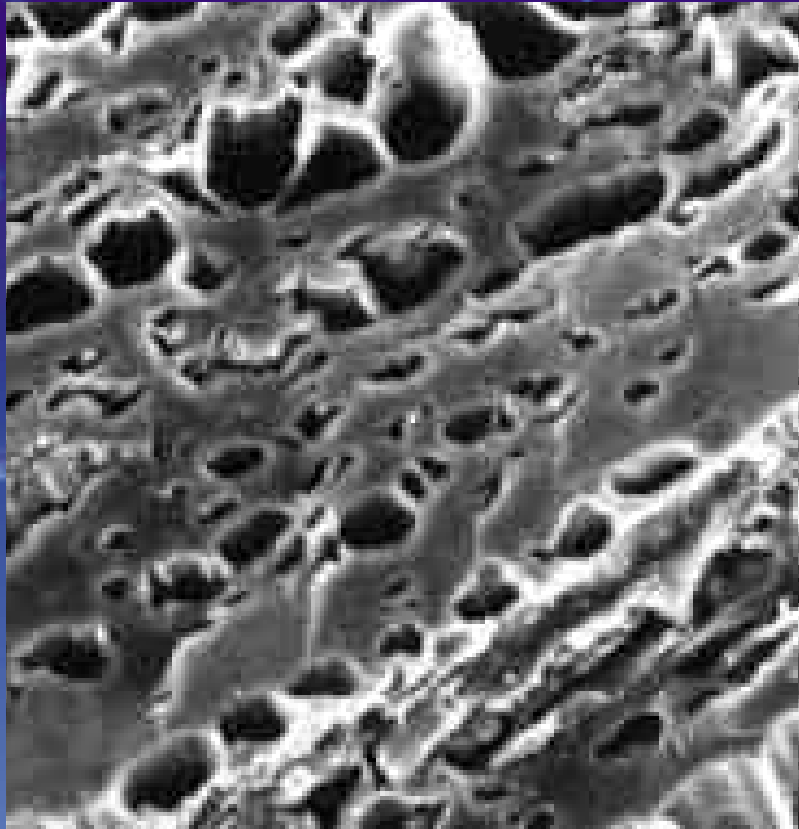
Gas Phase Chemical Filter



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➔ Macropores ($r > 25$ nm)

Used to enter

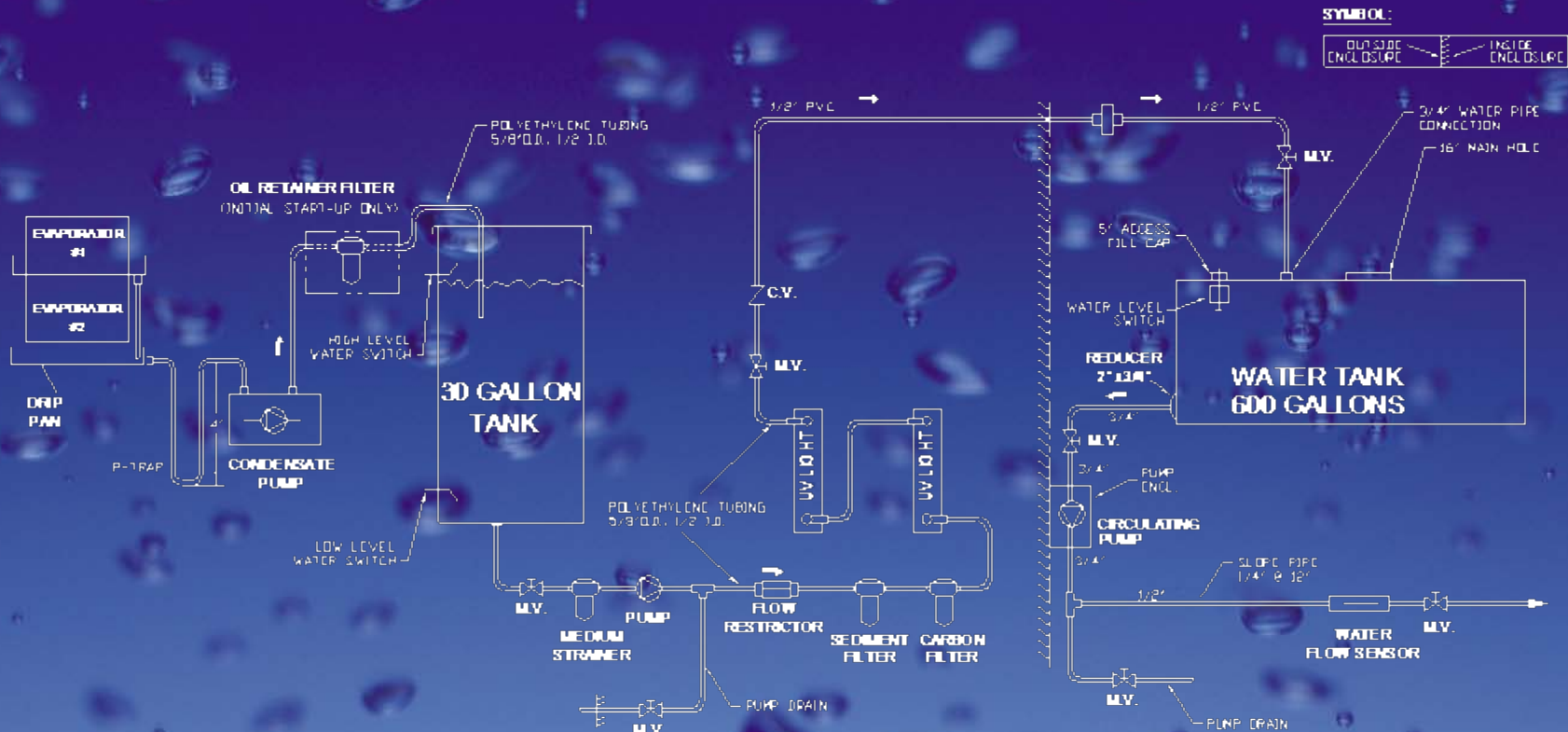
➔ Mesopores ($r = 1-25$ nm)

Used to transport

➔ Micropores ($r < 1$ nm)

Used to adsorb

Flow Schematic

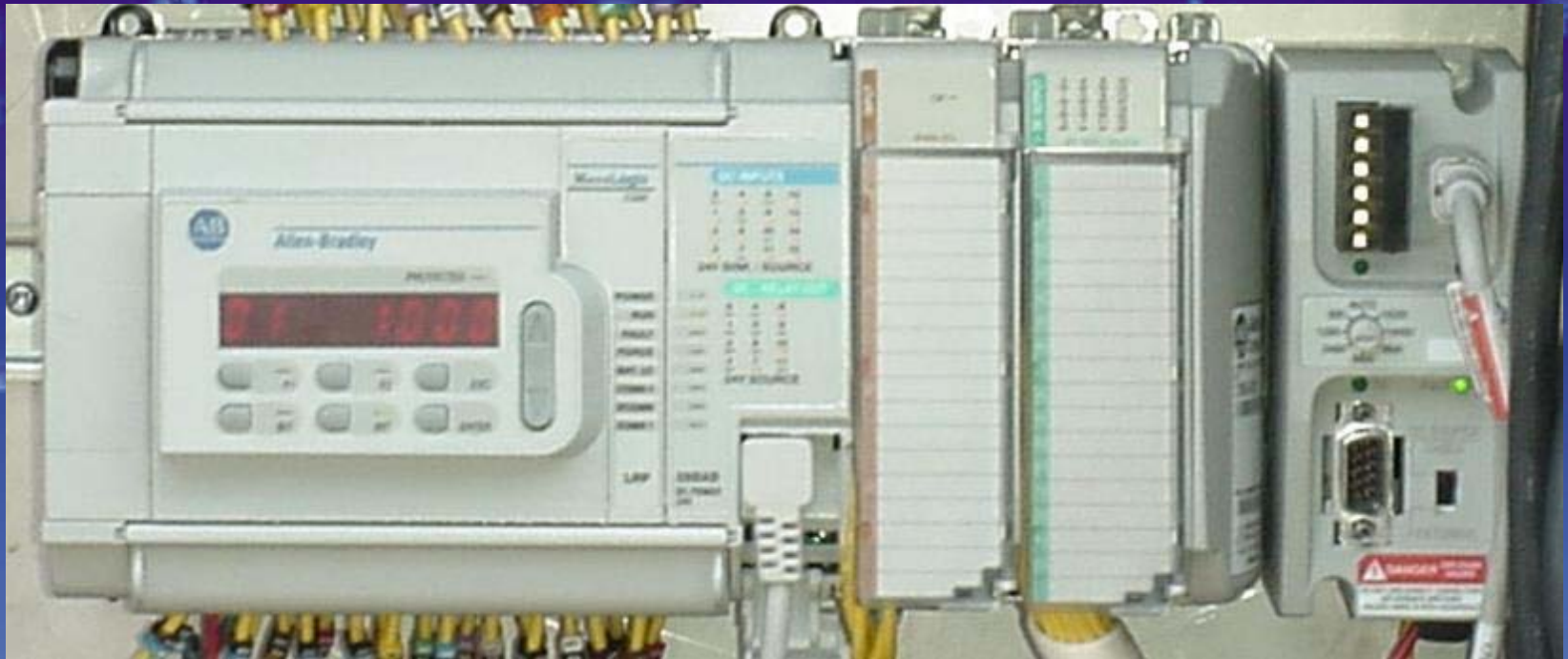


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MicroLogix Controller



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International Water Makers

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Carel Controller



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International Water Makers

"Water Purely from Air"

Actual Unit



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MRU-050



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MRU-50 On-shore installation for Off-Shore operation ST177E



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Vessels



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Trinidad Military Unit



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Packaged for Standard Truck



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"Water Purely from Air"

Net Result – Pure Clean Healthy Water



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Saving Lives Just One Drop
At A Time

Thank You For Your
Time