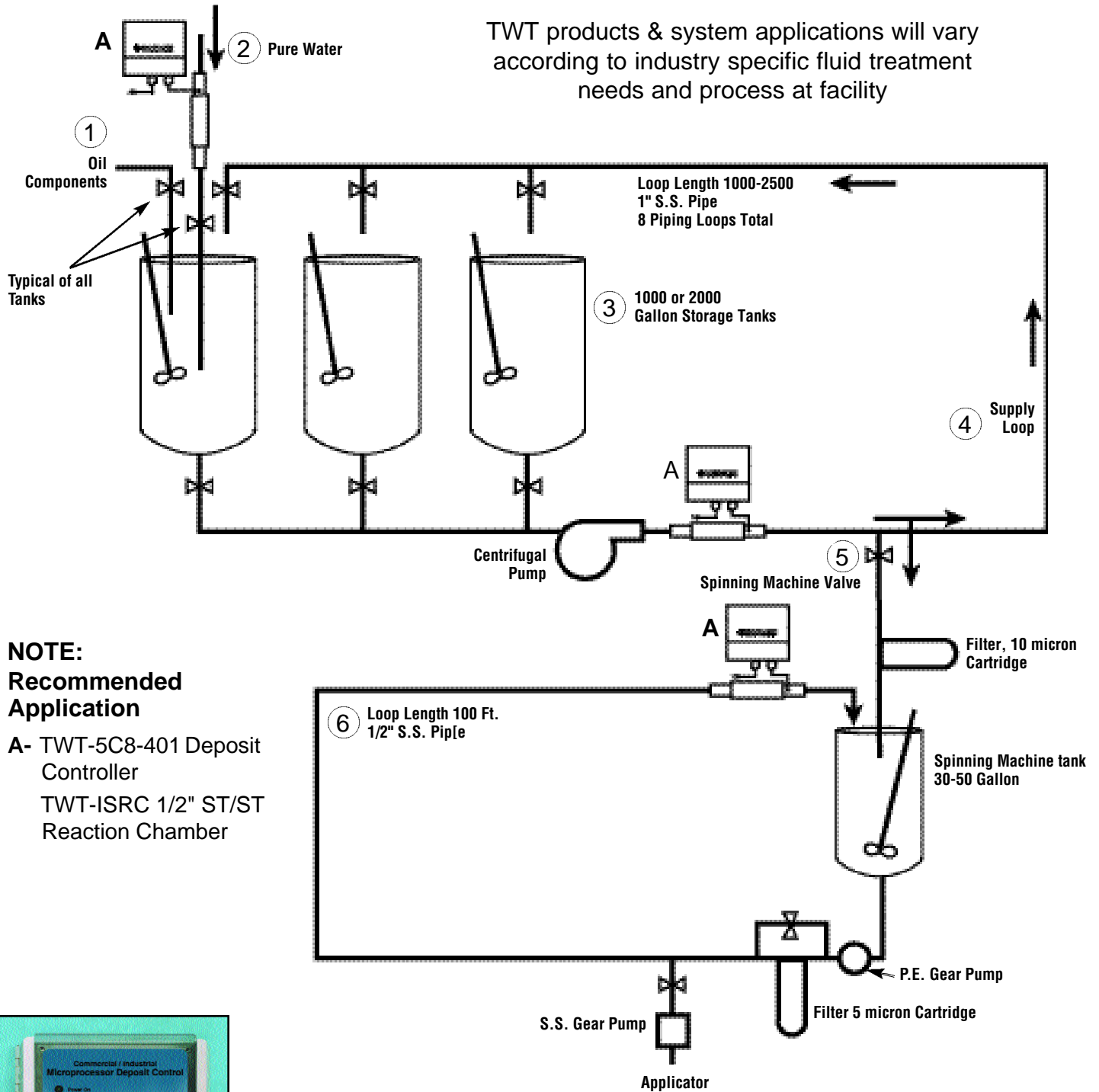
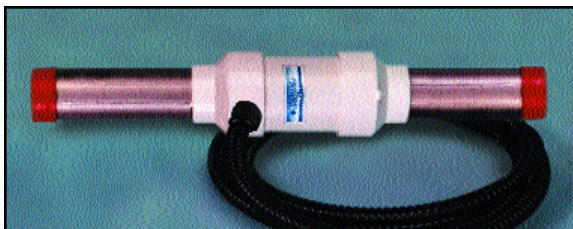


# Schematic Rendering of Fluid Management Products & Systems for a Fabric Manufacturing Facility

TWT products & system applications will vary according to industry specific fluid treatment needs and process at facility



TWT-5C8-401 Deposit Control



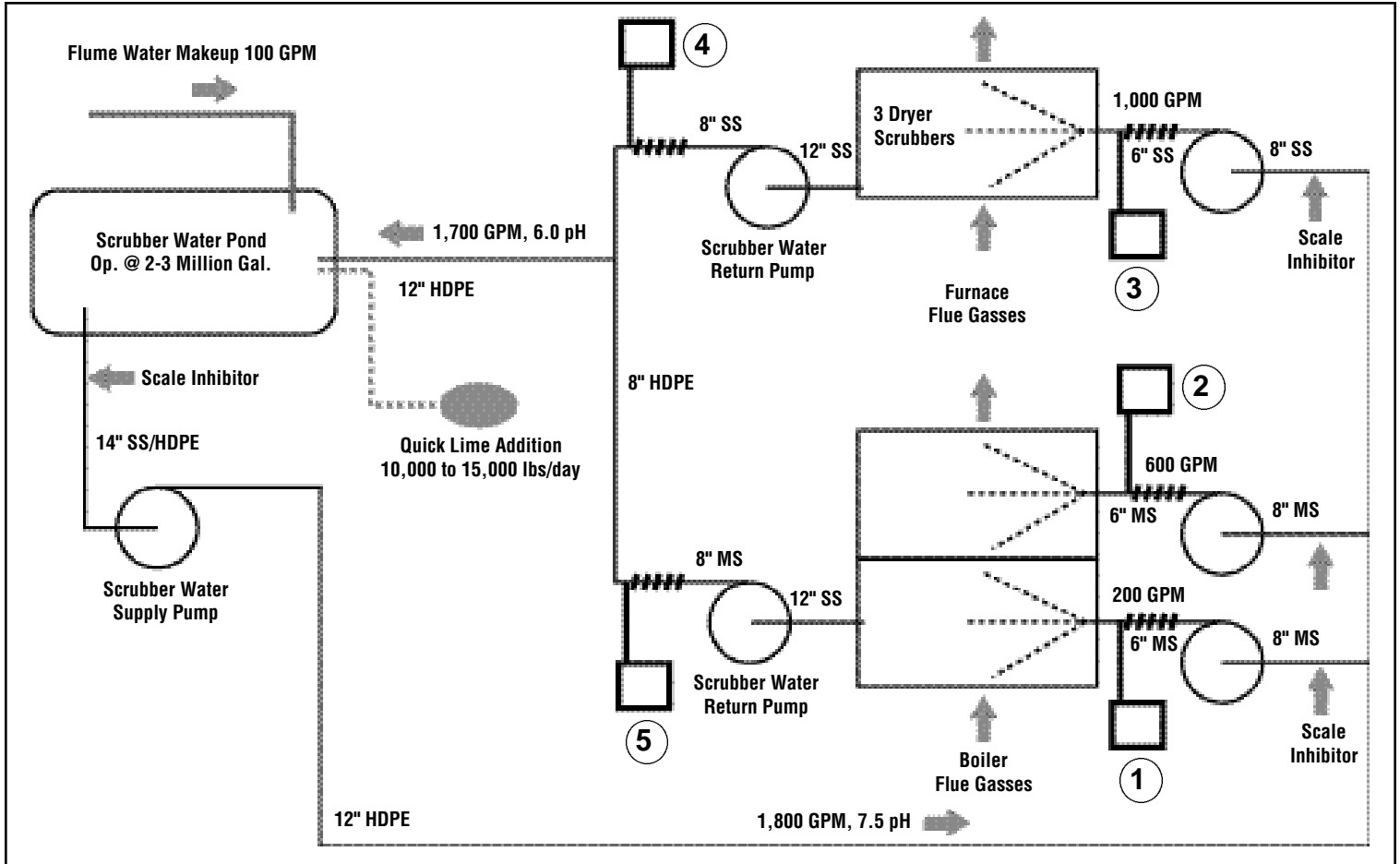
TWT-ISRC 1/2" ST/ST Reaction Chamber

**TRIANGULAR WAVE TECHNOLOGIES, INC.**  
FLUID MANAGEMENT SOLUTIONS  
www.triangularwave.com

# Schematic Rendering of TWT Fluid Treatment Application for Scrubber System For Sugar Co., Nyssa, Oregon

Total Pond capacity is 5,000,000  
 Boiler burns low sulfur coal  
 3 Dryer furnace burn high sulfur coal

TWT products & system applications will vary according to industry specific fluid treatment needs and process at facility



ST/ST Reaction Chamber  
 Flanged Ends– TBD • Threaded Ends– TBD  
 Lengths Ends– TBD

- Notes: Will have positive treatment effect in pond within 24/48 hours of start-up
- Depending on pre-existing conditions of plumbing lines & equipment, positive treatment effects may take longer (30 to 60 days)

### Deposit Control Systems

1. TWT-5C8-406
2. TWT-5C8-406
3. TWT-5C8-406
4. TWT-5C8-408
5. TWT-5C8-408

### Industrial ST/ST Reaction Chambers

- TWT-ISRC-6
- TWT-ISRC-6
- TWT-ISRC-6
- TWT-ISRC-8
- TWT-ISRC-8



TWT-5C8-406  
 Deposit Controller



TWT-ISRC-6 Industrial Stainless Steel Reaction Chamber

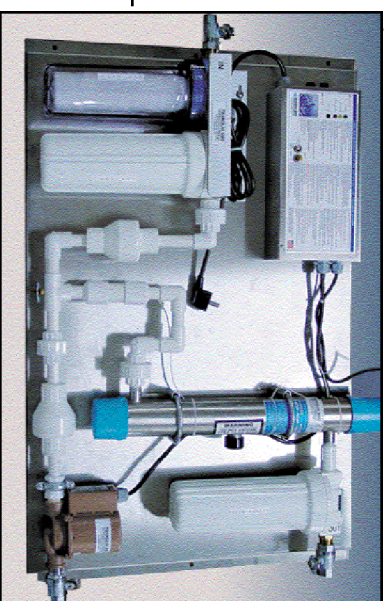
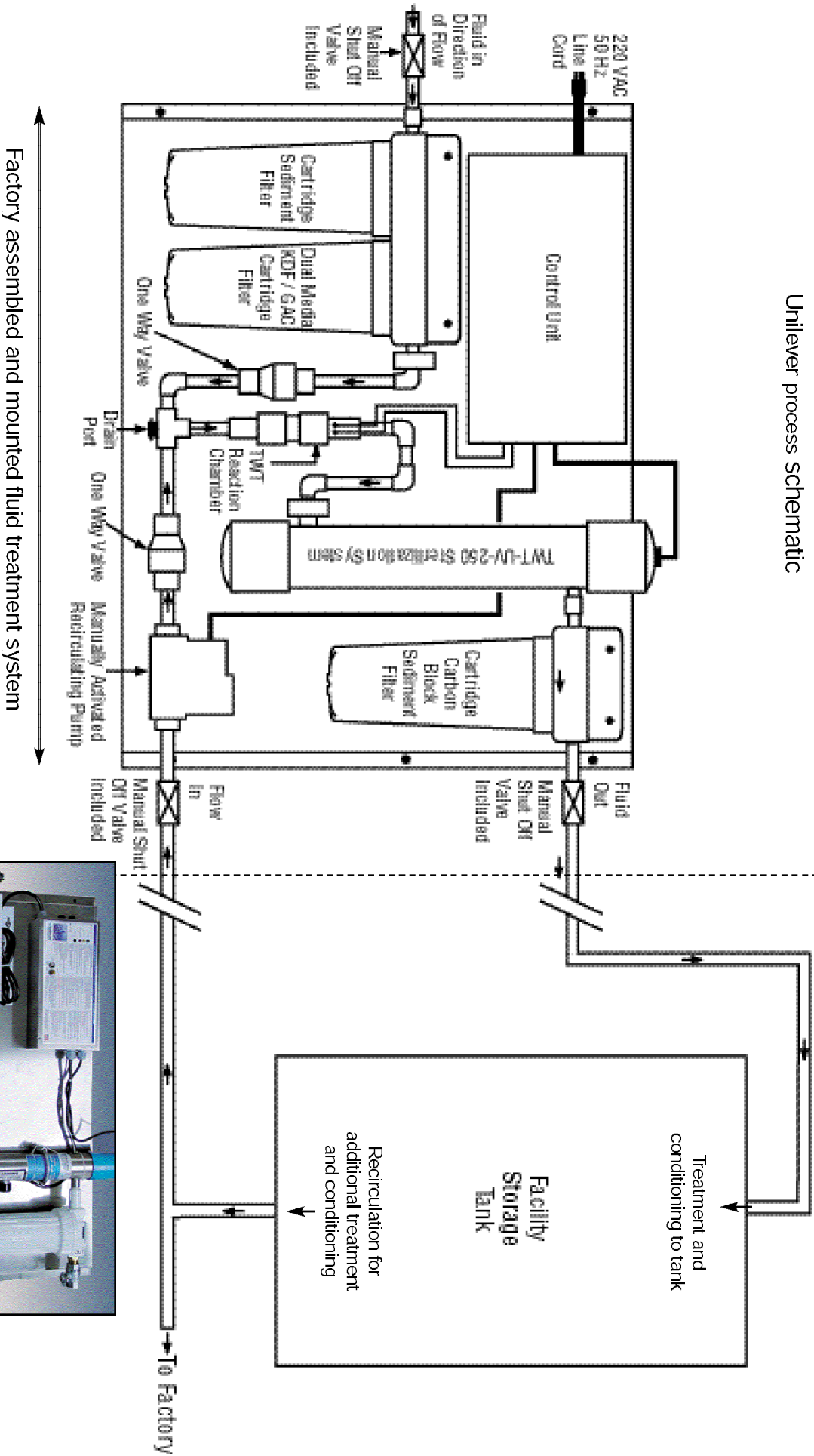


TWT Deposit Controller &  
 Industrial Stainless Steel  
 Reaction Chamber

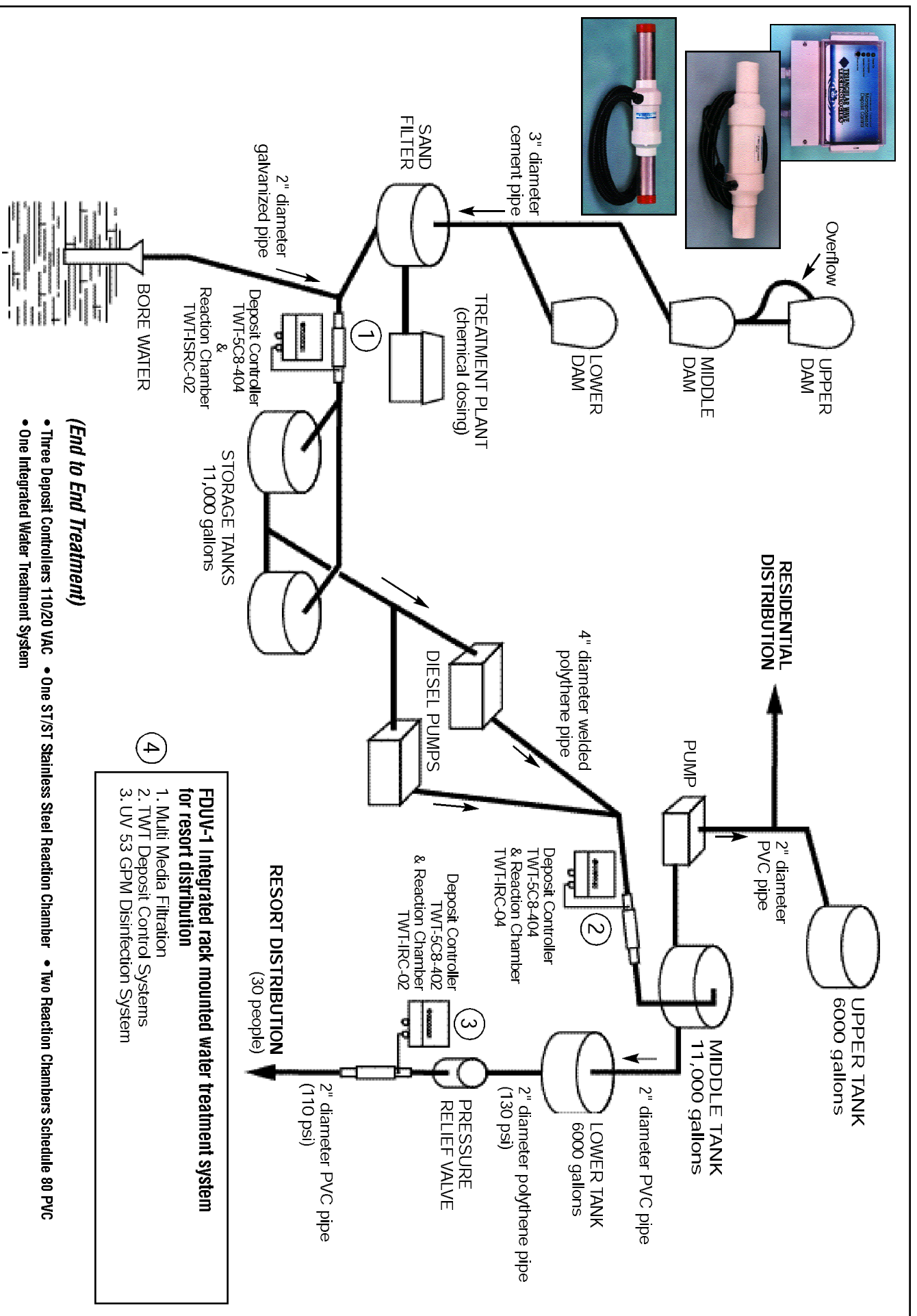


# Schematic Rendering of a TWT System for Unilever SNG / Soviet Republic

Unilever process schematic



# WATER CATCHMENT/FILTRATION/SUPPLY SYSTEM FOR ISLAND RESORT



# COMMERCIAL AIRCRAFT SYSTEMS

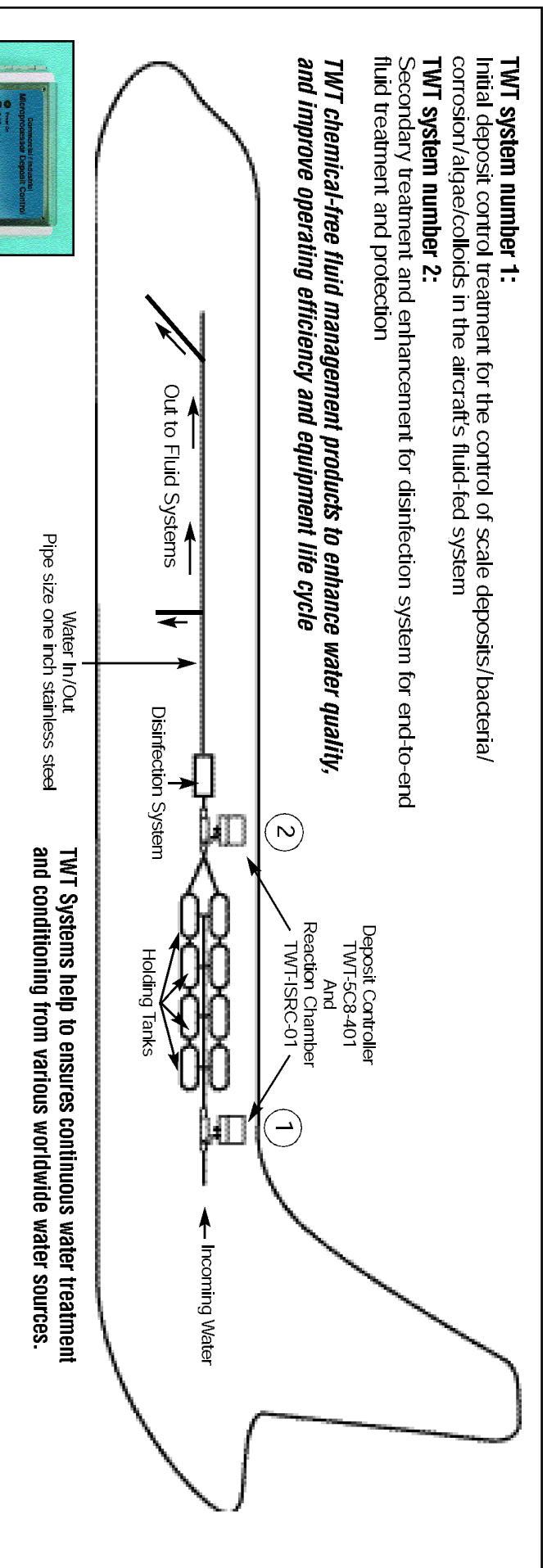
Recommended TWT Deposit Control Technology Products Application for End-To-End Fluid Treatment

## Commercial Aircraft

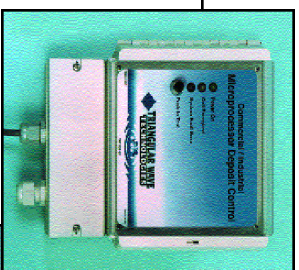
**TWT system number 1:**  
Initial deposit control treatment for the control of scale deposits/bacteria/corrosion/algae/colloids in the aircraft's fluid-fed system

**TWT system number 2:**  
Secondary treatment and enhancement for disinfection system for end-to-end fluid treatment and protection

**TWT chemical-free fluid management products to enhance water quality, and improve operating efficiency and equipment life cycle**



**TWT Systems help to ensure continuous water treatment and conditioning from various worldwide water sources.**



**TWT-5C8-401  
Commercial/Industrial  
Deposit Controller  
110/220 VAC**



**TWT-ISRC-01 Industrial S/Sl Reaction Chamber**

TWT products & system applications will vary according to specific fluid treatment needs and process on aircraft

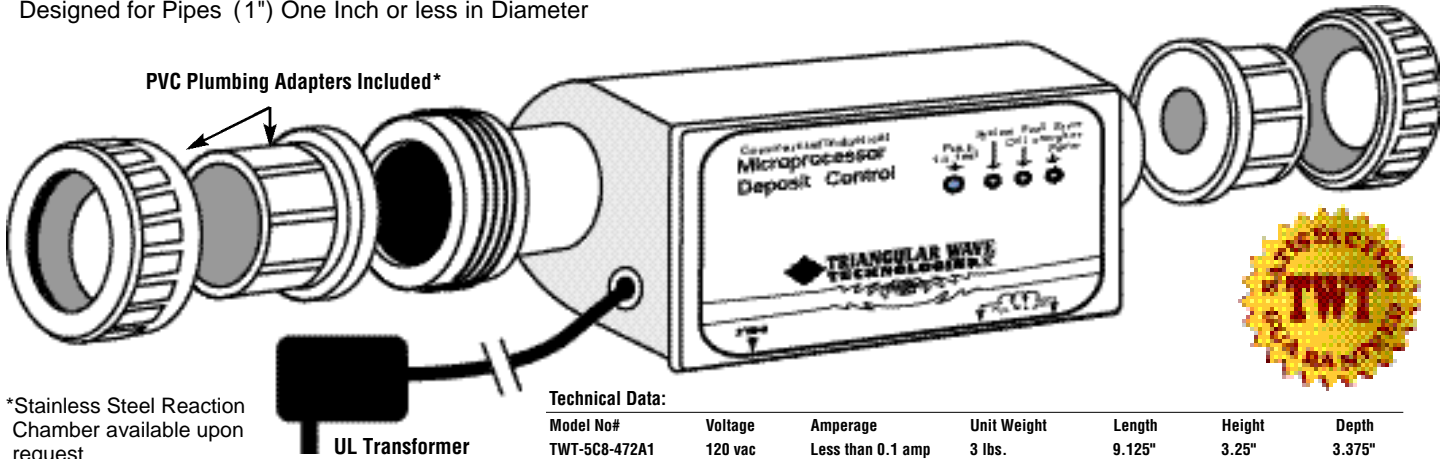


# Triangular Wave Technologies Inc. Patented Electronic Deposit Controller & PVC Reaction Chamber Unit

## Control scale and bio-fouling in water-fed systems & applications

TWT-5C8-472A1 Deposit Control Unit  
Designed for Pipes (1") One Inch or less in Diameter

Schematic rendering of the TWT-5C8-472A1 deposit control unit



\*Stainless Steel Reaction Chamber available upon request

UL Transformer

#### Technical Data:

Model No#	Voltage	Amperage	Unit Weight	Length	Height	Depth
TWT-5C8-472A1	120 vac	Less than 0.1 amp	3 lbs.	9.125"	3.25"	3.375"

Designed for pipes (1) one inch or less in diameter • Costume order for larger size pipe application available upon request

## Applications

**DECORATIVE WATER FOUNTAINS • SPAS & ABOVE GROUND POOLS**  
**LAWN & SPRINKLER SYSTEMS • MARINE INDUSTRY-HOUSEBOATS**  
**MOBILE HOMES • RESIDENTIAL/COMMERCIAL**  
**FACILITIES AND MANY MORE!**

**PREVENTS SCALE BUILD-UP**  
**CONTROLS SLIME DEPOSITS**  
**REDUCES CORROSION**  
**CONTROLS ALGAE AND BACTERIA**  
**MAINTAINS EFFICIENT HEAT TRANSFER**  
**EXTENDS LIFE OF ELEMENT**

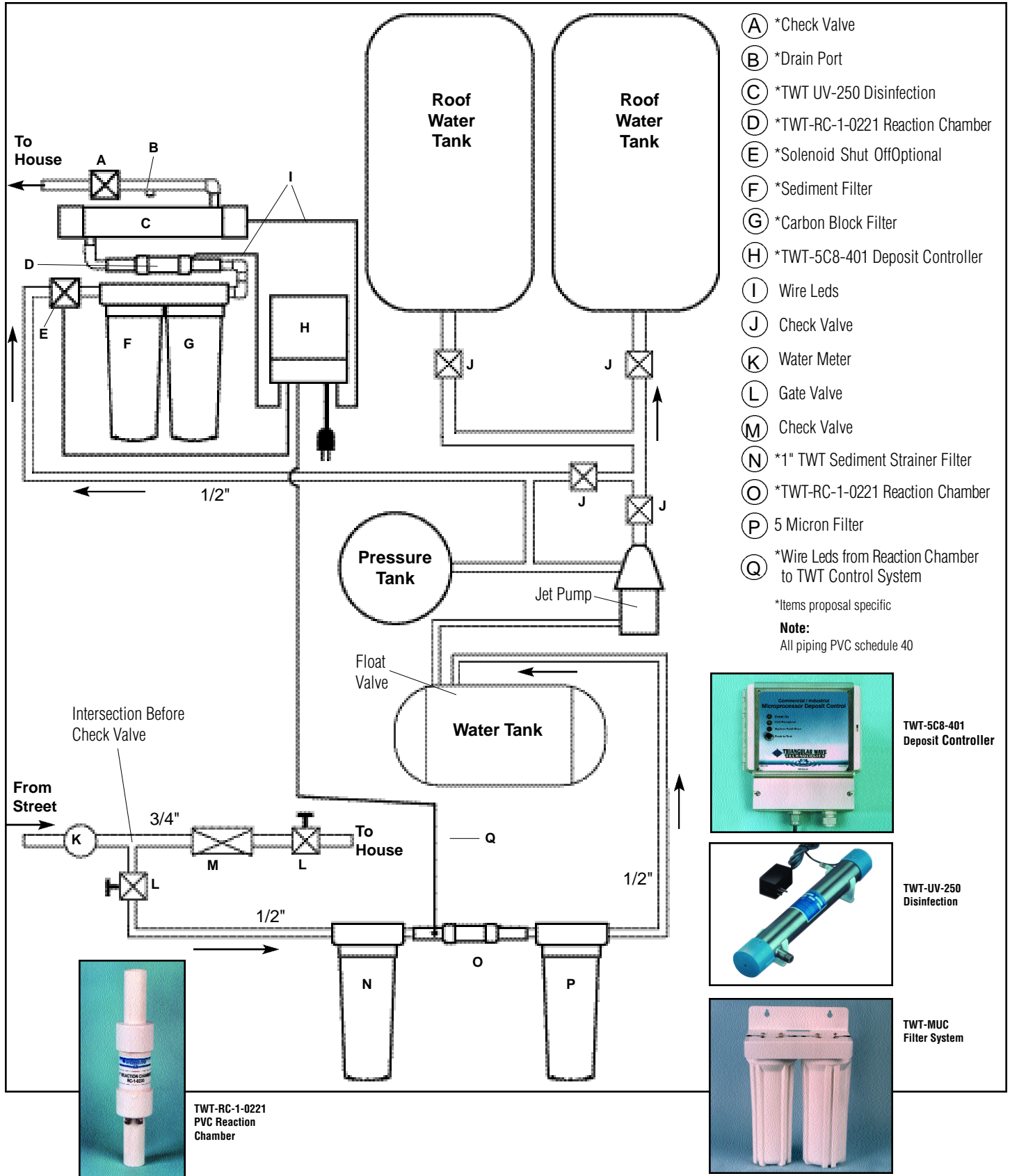
Designed for safety: The output is safe to both personnel and equipment. There is **NO ELECTRICAL CONTACT WITH THE PIPE**



 **TRIANGULAR WAVE**  
**TECHNOLOGIES, INC.**  
 FLUID MANAGEMENT SOLUTIONS  
[www.triangularwave.com](http://www.triangularwave.com)

# Triangular Wave Deposit Control Systems

## Residential Home Solutions ( Puerto Rico )



# SAFE DRINKING WATER ANYWHERE...ANY TIME!



**TWT-UV-60 (60 GPM)  
Treatment System**

## Transportable Water Treatment Systems with Multi-Stage Micro-Filtration, Deposit Control and Ultra-Violet Disinfection

### Custom Upgrades available upon request:

- Systems can be sized to suit virtually any required flow rate
- Designed as turnkey systems to process required GPM of input source water. Output water is of extremely high quality and free from disease-causing pathogens.



**TWT-UV-200 (200 GPM) Treatment System**

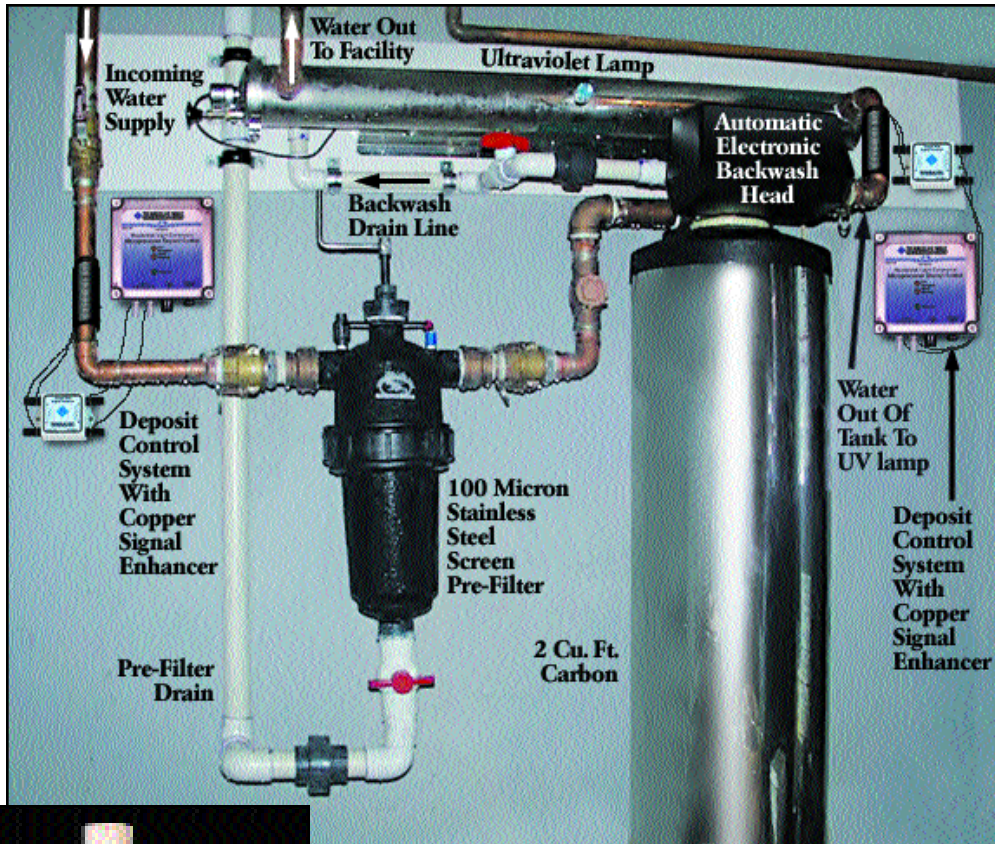
Input Water  
Automatic Pre-Filtration  
TWT Deposit Control  
Multi-Media Filtration  
DE Filter (optional)  
Centrifugal Cartridge Finish Filter  
TWT Deposit Control  
UV Disinfection  
Chlorine Residual (optional)  
Output Water  
Storage (not included)  
Covered trailer (optional)  
Recirculating line adapter (optional)

## SAFE DRINKING WATER ANYWHERE...ANY TIME!

Military Camps • Disaster Relief • Nursing Homes • Hospitals • Schools • Refugee Camps  
• Emergency Preparedness • Cholera Epidemics • Remote Construction Projects • Small  
Community Systems • Environmental Clean-Up Sites • Other Commercial & Industrial Applications  
Requiring High-Quality, Safe Drinking Water

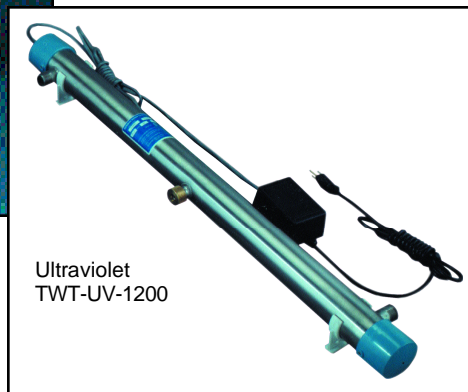


# RESIDENTIAL • COMMERCIAL HARD WATER PROBLEMS SOLVED EASILY



End-to-end Fluid Treatment Product Application. Custom design your own fluid management system to meet your home and/or office specific needs.

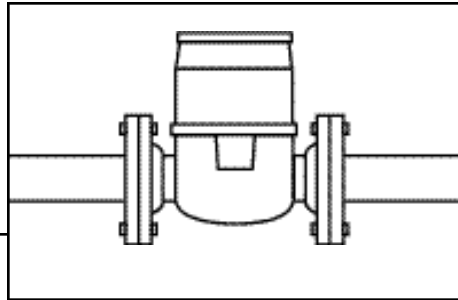
Engineered products and systems that provide technologically advanced methods for water and fluid management that are both efficient and cost-effective. Components and subsystems chosen from across the range of treatment methods can be combined in different configurations to provide custom solutions specific to any home, office, site and application.



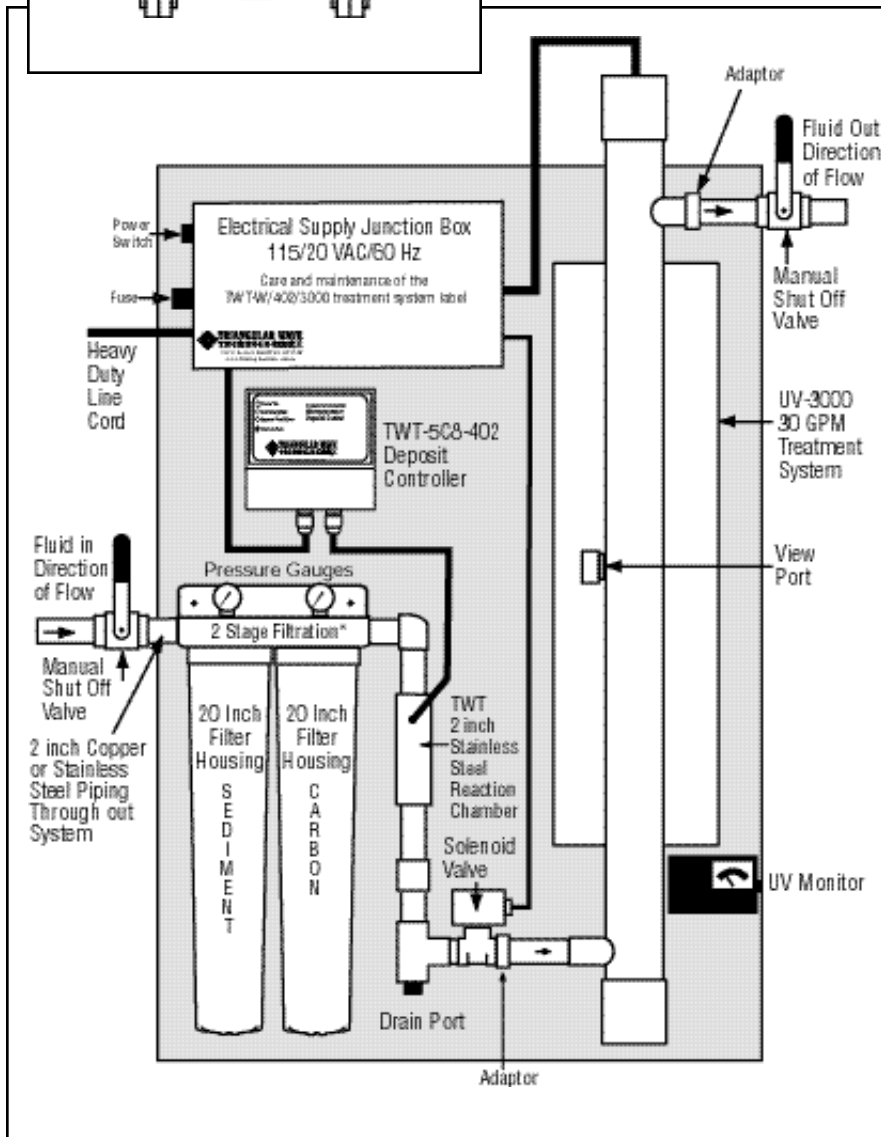
Ultraviolet  
TWT-UV-1200

**TRIANGULAR WAVE**  
**TECHNOLOGIES, INC.**  
FLUID MANAGEMENT SOLUTIONS  
[www.triangularwave.com](http://www.triangularwave.com)

# Points-of-Treatment for Schools, Hospitals, Nursing Homes and Other Commercial & Industrial Applications Requiring High-Quality, Safe Water



Main water feed line (after water meter) to facility



## Option No.1

Depending on water quality, GPM, and available space

- Wall mounted racked water treatment system
- Stainless Steel wall mount frame
- Sediment & Carbon Filtration
- TWT Deposit Control Technology
- Ultraviolet Disinfection

## Factory Assembled & Mounted Fluid Management System

*This fluid management system is a compact, self-contained, wall-mounted unit for the treatment of water.*

Applies all the needed elements for maximum fluid protection, management, and peace of mind in one simple packaged solution. State-of-the-art TWT Filtration, Microprocessor Deposit Controller, Reaction Chamber, and UV Disinfection units are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water line contamination dangers. TWT solutions are scalable to fit the volume and water conditions you need.

Schematic rendering for reference only  
TWT-W-402/3000 Treatment System  
Filter medium & tank size to be determined

### Please Note:

System engineering design, weight, size and system component assembly may vary based on water conditioning, quality, application and industry specific needs

### Specifications:

Factory assembled and mounted carbon steel wire rack with mounting brackets, size aprox. 00" X 00", weight 00

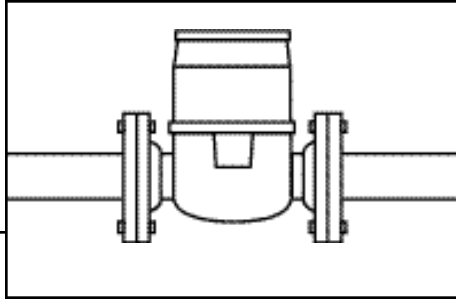
Filter medium used in 2-stage filter housings is configured and based upon impute water quality and customer and/or industry specific treatment requirements.

### Note: Optional

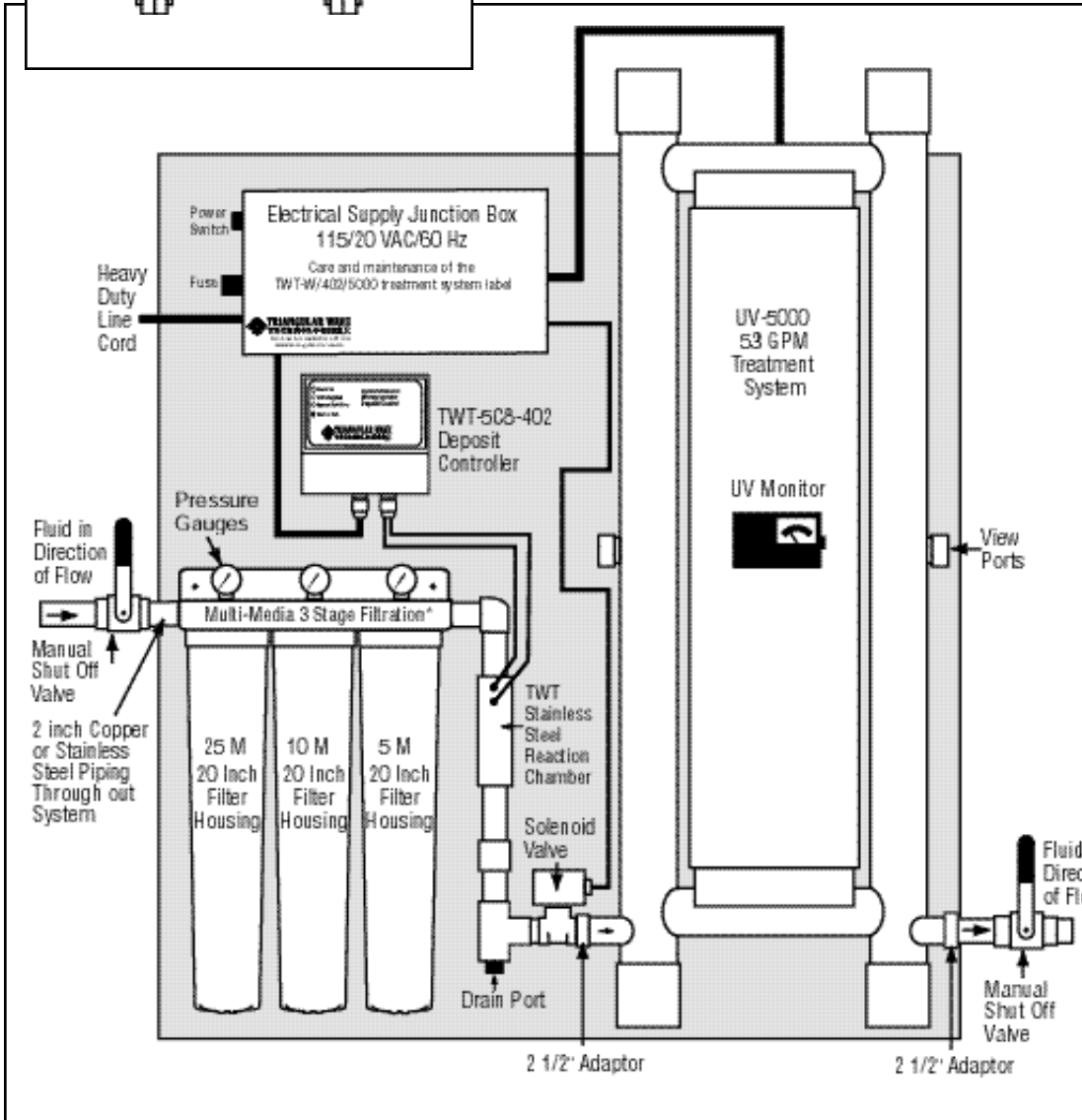
A redundant (fail-safe) complete second UV Disinfection unit can be system integrated, to ensure uninterrupted treatment upon request (Price TBD)



# Points-of-Treatment for Schools, Hospitals, Nursing Homes and Other Commercial & Industrial Applications Requiring High-Quality, Safe Water



Main water feed line (after water meter) to facility



Schematic rendering for reference only • TWT-W-402/5000 Treatment System • Filter medium & tank size to be determined

## Option No.2

Depending on water quality, GPM, and available space

- Wall mounted racked water treatment system
- Stainless Steel wall mount frame
- 3 Stage Sediment & Carbon Filtration
- TWT Deposit Control Technology
- Ultraviolet Disinfection

## Factory Assembled & Mounted Fluid Management System

*This fluid management system is a compact, self-contained, wall-mounted unit for the treatment of water.*

Applies all the needed elements for maximum fluid protection, management, and peace of mind in one simple packaged solution. State-of-the-art TWT Filtration, Microprocessor Deposit Controller, Reaction Chamber, and UV Disinfection units are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water line contamination dangers. TWT solutions are scalable to fit the volume and water conditions you need.

### Please Note:

System engineering design, weight, size and system component assembly may vary based on application and industry specific needs

Specifications:

Factory assembled and mounted carbon steel wire rack with mounting brackets, size approx. 00" X 00", weight 00

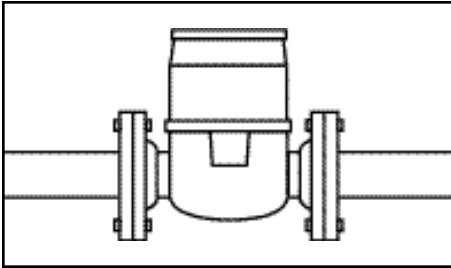
Filter medium used in 2-stage filter housings is configured and based upon impute water quality and customer and/or industry specific treatment requirements.

### Note: Optional

**A redundant (fail-safe) complete second UV Disinfection unit can be system integrated, to ensure uninterrupted treatment upon request (Price TBD)**



# Points-of-Treatment for Schools, Hospitals, Nursing Homes and Other Commercial & Industrial Applications Requiring High-Quality, Safe Water



Main water feed line (after water meter) to facility

## Option No.3

Depending on water quality, GPM, and available space

- Skid mounted water treatment system
- Stainless Steel skid
- Stainless Steel Hurricane sediment filter
- Stainless Steel Hurricane carbon filter
- TWT Deposit Control Technology
- Ultra Violet Disinfection

## Factory Assembled & Skid Mounted Fluid Management System

*This fluid management system is a compact, self-contained, skid-mounted unit for the treatment of water.*

Applies all the needed elements for maximum fluid protection, management, and peace of mind in one simple packaged solution. State-of-the-art TWT Filtration, Microprocessor Deposit Controller, Reaction Chamber, and UV Disinfection units are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water line contamination dangers. TWT solutions are scalable to fit the volume and water conditions you need.

### Please Note:

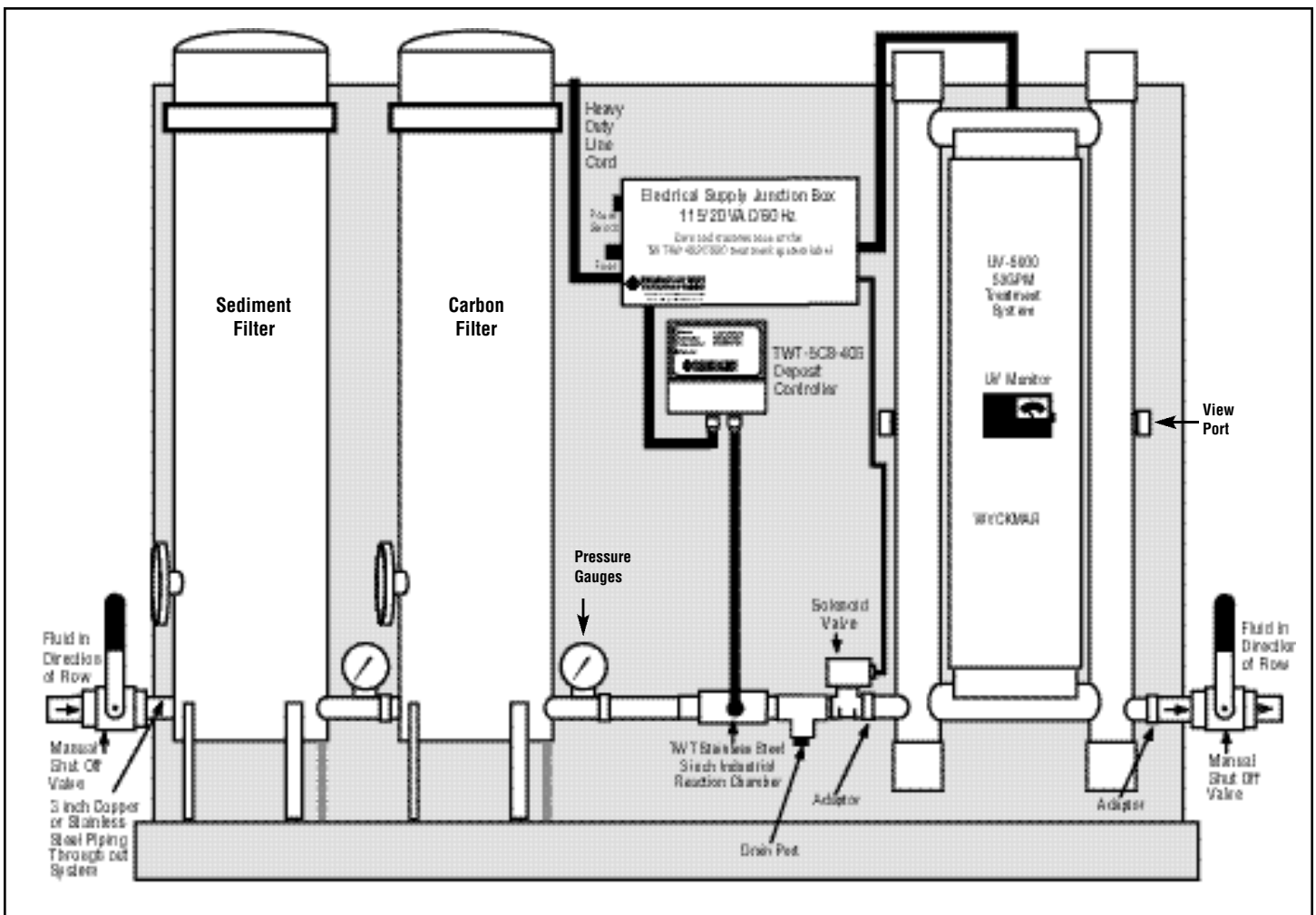
System engineering design, weight, size and system component assembly may vary based water conditions, quality, application and industry specific needs

### Specifications:

Factory assembled and skid-mounted. size aprox. 00" X 00", weight 00  
Filter medium used in 2-stage filter housings is configured and based upon impute water quality and customer and/or industry specific treatment requirements.

### Note: Optional

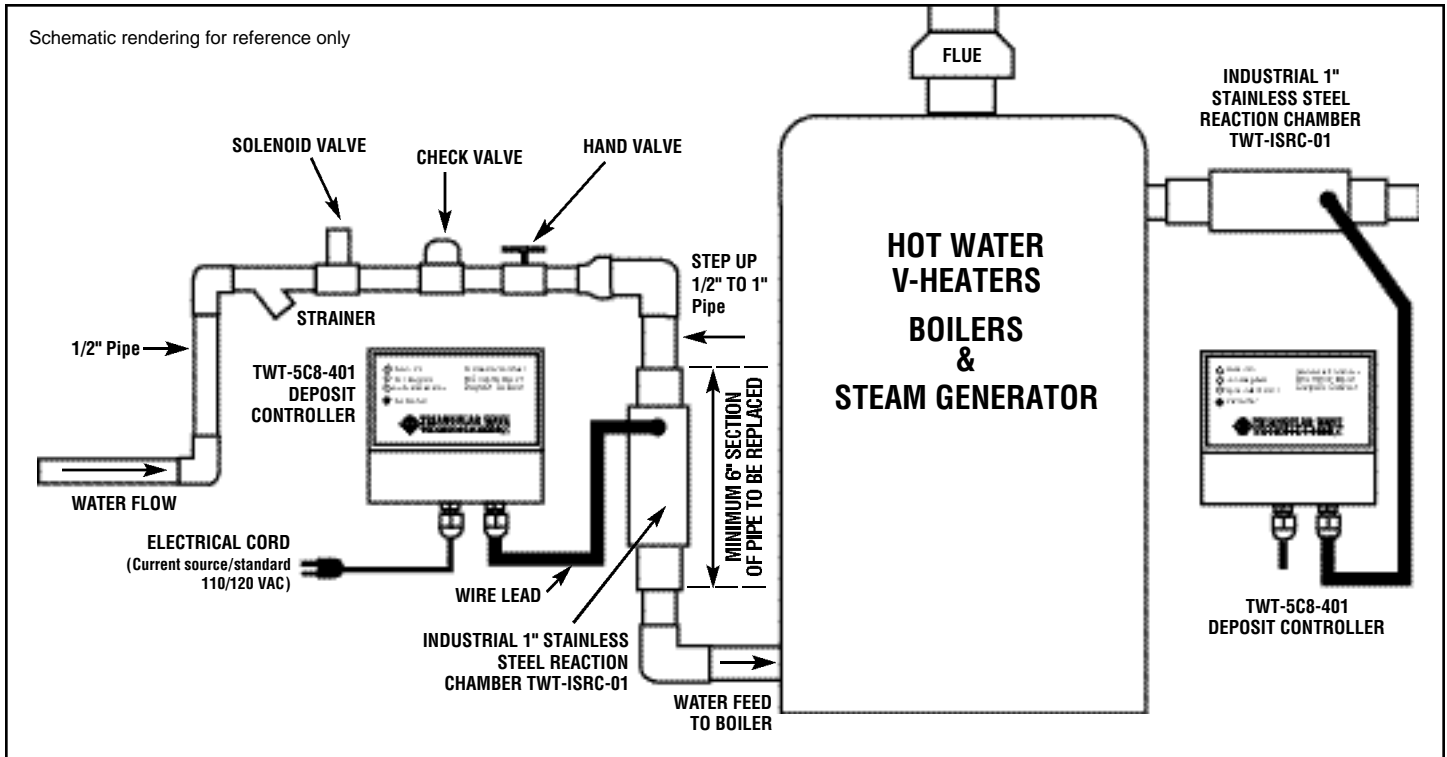
A redundant (fail-safe) complete second UV Disinfection unit can be system integrated, to ensure uninterrupted treatment upon request (Price TBD)



Schematic rendering for reference only • TWT-SM-403/5000 Treatment System

# Points-of-Treatment for Schools, Hospitals, Nursing Homes and Other Commercial & Industrial Applications Requiring High-Quality, Safe Water

## Vertical Hot Water Heater

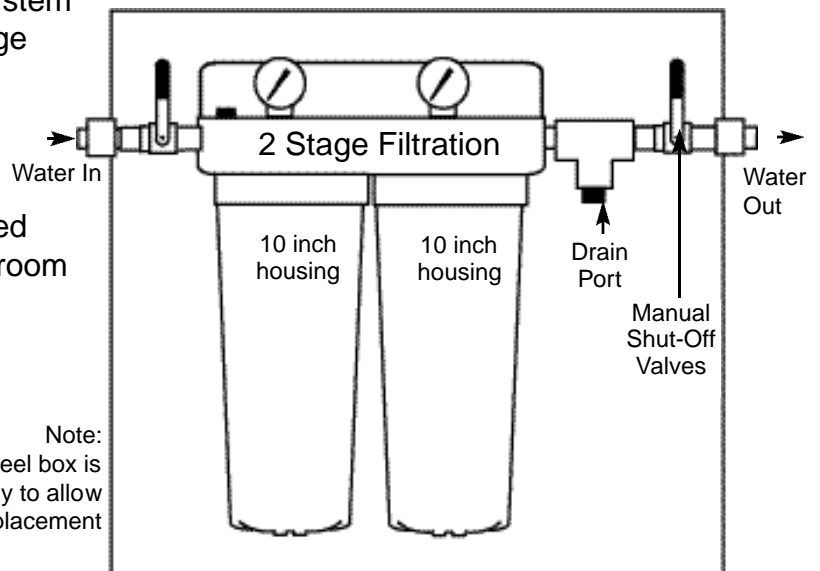


Vertical Hot Water Heaters only–Boilers, Steamers not part of proposal

## Points-of-treatment

### Local point-of-use (POU) filtration treatment system for sinks, water coolers etc.

- Stainless Steel Box or wire rack to protect system from vandalism w/hasp for lock and piano hinge
- 2 Stage 10 inch Filtration
- Mounting Brackets
- Incidental Installation Hardware
- Treatment system to be plumbed and mounted adjacent to sinks, fountains, leaving enough room for filter replacement and out of harms way
- Filter replacement wrench



Note:  
Stainless Steel box is sized appropriately to allow filter replacement

# Point-of-Treatment System / Post Holding Tank

## Factory Assembled Skid Mounted, Fork Lift/ Fluid Management Treatment System

*This fluid management system is a compact, self-contained, skid-mounted unit for the treatment of water.*

Applies all the needed elements for maximum fluid protection, management, and peace of mind in one simple packaged solution. State-of-the-art TWT Filtration, Microprocessor Deposit Controller, Reaction Chamber, UV Disinfection and Chemical Feed Tank Injection System are combined to provide a start-to-finish answer to simplified prevention, treatment and management of water contamination dangers. TWT solutions are scalable to fit the volume and water conditions you need upon request.

### Specifications:

Factory assembled and skid-mounted.

Size approx. W 00 X H 00 X D 00, weight 00 ( vary according to custom design )

Filter medium used in 2-stage filter housings is configured and based upon impure water quality and customer and/or industry specific treatment requirements ( medium TBT).

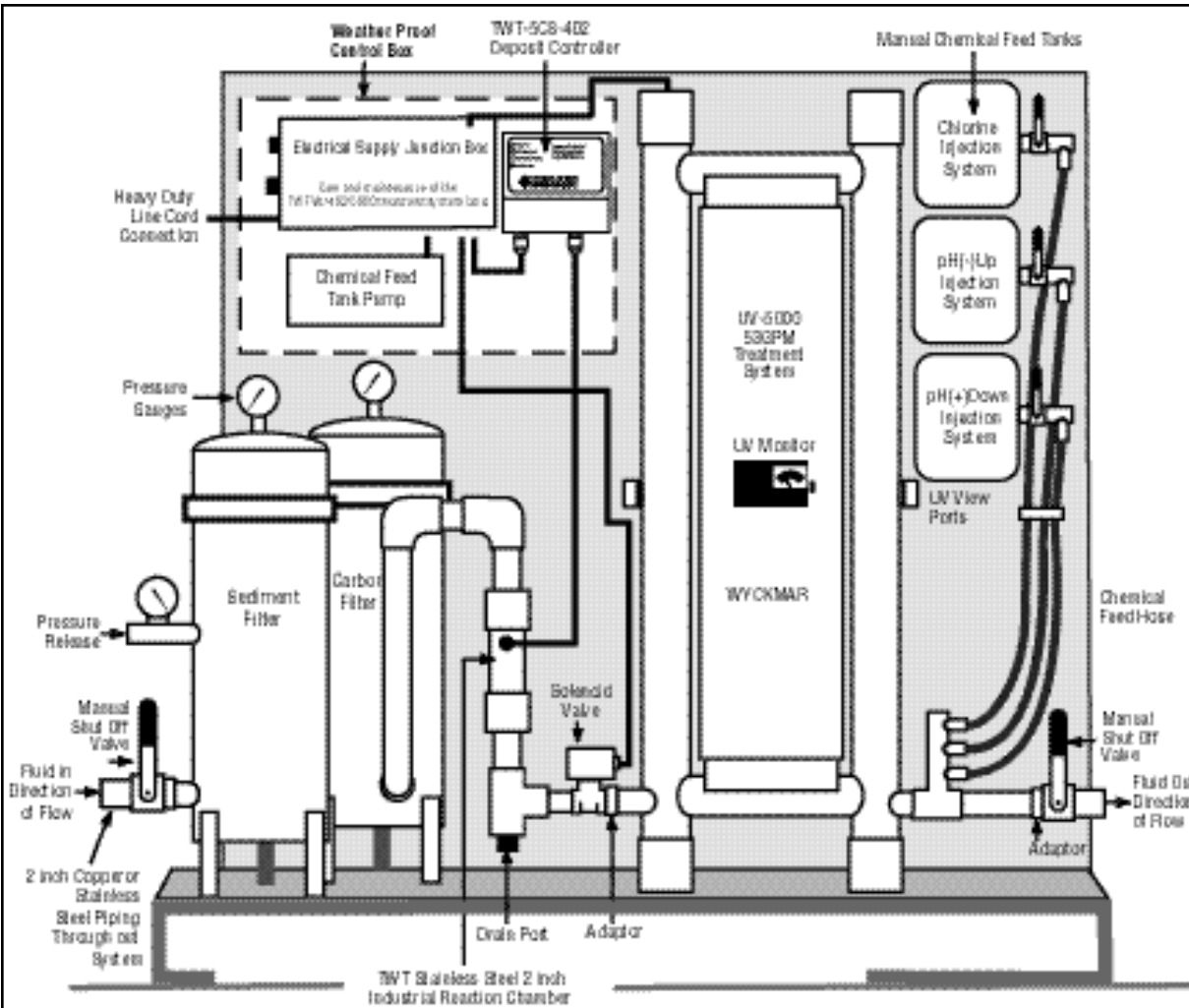
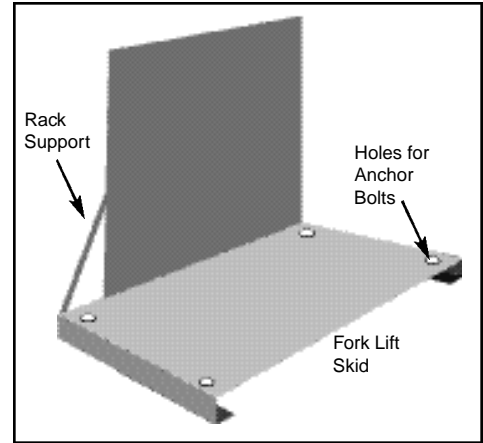
All electrical, piping, fittings, pumps, and materials (equipment) used in the system will be engineered and system integrated to conform to code requirement of the submitted RFQ.

### Note: Optional

**A redundant (fail-safe) complete second UV Disinfection unit can be system integrated, to ensure uninterrupted treatment upon request.**

**A complete backup system to allow for uninterrupted service when system is used in a very harsh environment is recommended.**

- Skid mounted water treatment system
- Stainless Steel skid
- Stainless Steel Hurricane sediment filter
- Stainless Steel Hurricane carbon filter
- TWT Deposit Control Technology
- Ultra Violet Disinfection
- Chemical Feed Tank Injection System



### Please Note:

System engineering design, weight, size and system component assembly may vary based on water conditions, quality, application, industry and/or customer specific needs

Schematic rendering for reference only, final rendering will be provided upon proposal acceptance

### Optional

Tent, Fiber Glass (vented) enclosure for entire system to protect against the elements (sand, dust, wind etc.) not included.

Piping, fittings, valves, and other material needed to and from system owners responsibility