

# RTS

RIVEER  
TREATMENT  
SYSTEMS



**RIVEER**<sup>™</sup>

Engineered Wash Water  
Recovery Systems

# CAPTURE, CLEAN, AND REUSE YOUR WASH WATER

The RTS Series of closed loop water treatment systems designed for parts cleaning and equipment washing. The systems reclaim wash water from above-ground wash racks, in-ground sumps, skid steer troughs, spray booths, and trench drains. The zero discharge process allows environmentally compliant cleaning by using simple filtration processes included in all models: built-in oil and water separation, ozone injection, oil coalescing, oil skimming, absolute filtration and more. Not only is RTS effective for equipment washing and corrosion control, but it can also save tens of thousands of dollars reclaiming and reusing costly solutions. Whether you are degreasing or acid washing partsequipment, the RTS can save you time and money.



EASY TO OPERATE AND SIMPLE TO MAINTAIN

INTEGRATED WITH RIVEER WASH RACK OR  
STAND ALONE

GRIPSTART TRIGGER ON/OFF

TURKEY INSTALLATION AND SERVICE

BUILT TO YOUR REQUIREMENTS



# RTS 500 LIGHT SOLIDS AND OILS



The RTS 500 is a compact, efficient wash water filtration system designed to handle waste streams containing light solids and oils, such as industrial parts degreasing and maintenance equipment washing. The RTS 500 filters and treats water for reuse or proper discharge in compliance with EPA and municipal regulations. The all-stainless steel filtration system features inclined plate separators to settle solids in a large initial settling chamber. Oil is coalesced by passing through a cube of porous polypropylene and then removed from the water by a large disc skimmer. Optional high-pressure, high-flow multimedia filtration removes suspended solids, heavy metals, and volatile organic compounds (VOCs). This filter is automatically back washed when needed. A final absolute polishing filter cleans the water down to 5 microns before sending it to a holding tank. Water in the system is continuously circulated and injected with ozone or bacteria to prevent the onset of unwanted odors.

## RTS 500 FEATURES

- One button GripStart™ operation:
  - Squeeze pressure washer gun and system starts
  - Release gun and walk away
  - System automatically cycles and shuts down
- Sump pump or diaphragm pump recovery
- Cast iron pump for effluent also available
- 400-gallon holding tank
- NEMA 4 control panel
- Features a 3-chamber stainless steel settling tank with coalescing and absolute filtration
- 24/7 programmed ozone injection to mitigate bacteria

## APPLICATIONS

- Washing forklifts, man lifts, etc.
- Degreasing large parts
- Degreasing production dies, molds, and fixtures

## RTS 500 SPECIFICATIONS

- Capacity:** 336 gallons plus holding tank
- Weight:** 516 lbs. dry
- Wier Dimensions:** 48" H x 48" W x 70" L
- Electric:** 208, 240, 480 single or three phase
- Process Rate:** Up to 15 GPM
- Delivery Pressure:** 80-15,000 PSI
- Delivery Flow:** 2-80 GPM
- Material:** 304 L stainless steel



# RTS 3000

## MODERATE SOLIDS

For moderate to heavy mud and oil loads, the RTS 3000 filtration system features inclined plate separators to settle mud in a large initial settling chamber. The chamber is sloped to a valve that automatically purges settled solids. Oil coalescing in conjunction with ozone or bacteria injection completes the initial stage. Wash water is recovered with a run-dry diaphragm pump or a cast iron WSO sump pump where appropriate (this sump pump is capable of pumping large solids up to 3/4"). High-pressure industrial media filtration removes suspended solids, heavy metals and VOCs. This filter is automatically back-washed when needed. A final absolute polishing filter cleans the water down to 5 microns before sending it to a holding tank. Like all Riveer systems, it continuously circulates water and injects ozone to prevent odors.



### RTS EXCLUSIVE FEATURES

- Filter automatically back-washes when needed
- Settled mud is automatically purged with high-pressure water
- Oil coalescing with automatic oil skimmer
- Automatic 24/7 ozone injection and/or automatic 24/7 bacteria and air injection with pH adjust
- Continuous recirculation
- 475 gallons of mud settling

### RTS APPLICATIONS

Designed for moderate mud loads found in washing:

- Equipment covered in mud, clay, debris and oils
- Industrial and commercial vehicles
- Municipal road vehicles, including salt trucks and street sweepers
- Rental equipment

### RTS 3000 SPECIFICATIONS

- Capacity:** 500 gallons plus holding tank
- Weight:** 860 lbs. dry
- Wier Dimensions:** 78" H x 36" W x 72" L
- Electric:** 208, 240, 480 single or three phase
- Process Rate:** Up to 50 GPM
- Delivery Pressure:** 80-15,000 PSI
- Delivery Flow:** 2-80 GPM
- Material:** 304 L stainless steel



# RTS 5000 HEAVY MUD SOLIDS



For tough-to-handle, heavy mud applications, the RTS 5000 is the best filtration system yet for heavy dirt operations. A stainless steel filtration chamber incorporates inclined plate separators that drop solids into the RTS 5000's built-in conveyor which drags the mud to an external hopper for easy disposal with a forklift. After the 850-gallon settling chamber, the wash water passes through oil coalescing media and is then pumped through a high-pressure, auto back-washing media filter and then through a polishing filter down to 5 microns. The RTS 5000 is used in applications where water cannons are knocking hopper loads of mud off of construction equipment. The RTS 5000 is frequently used with Riveer's above ground wash racks with optional built-in conveyors or with Riveer-designed concrete pads.

## RTS EXCLUSIVE FEATURES

- One button GripStart™ operation
- Only filtration system with built-in mud conveyor
- 850 gallons of mud settling
- High-pressure back-washable media filter
- PLC controlled
- Automatic oil skimmer
- Absolute filtration to 1 micron
- Continuous recirculation
- ¼ yard self-dumping hopper

## RTS APPLICATIONS

Designed for heavy mud loads found in washing:

- Equipment covered in mud, clay, debris and oils
- Municipal road vehicles, including salt trucks and street sweepers
- Industrial and commercial vehicles
- Fracking trucks and other oil field equipment
- Rental equipment

## RTS 5000 SPECIFICATIONS

- Capacity:** 915 gallons plus holding tank
- Weight:** 3200 lbs. dry
- Wier Dimensions:** 96" H x 60" W x 130" L
- Electric:** 208, 240, 480 single or three phase
- Process Rate:** Up to 75 GPM
- Delivery Pressure:** 80-15,000 PSI
- Delivery Flow:** 4-80 GPM
- Material:** 304 L stainless steel



# RIVEER MANUFACTURING AND SUPPORT



Riveer RTS meets all US and CE electric standards: UL, TUV, IEC, NEC, NFPA.

Covered by patent numbers 6,021,792 and 6,164,298 with others pending



Riveer employs a quality management system that is ISO 9001:2008 certified.  
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