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## Tank Cleaning Technology for Sanitary Applications...

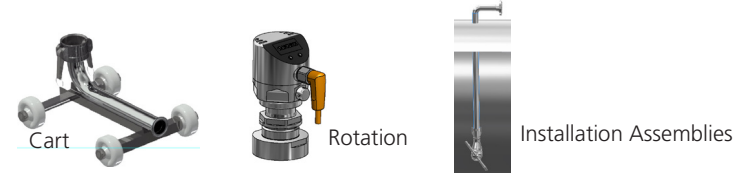


# Clean In Place Equipment and Systems

...sanitary applications



Accessories...



## Clean In Place Systems

Sanitary Design per FDA, USDA, cGMP, EEHEDG  
MOC: 316SS; Surface Roughness to customer specification  
Electropolishing available where needed  
Basic Automation to Fully Automated with Remote and Touch Screen  
Web page: <http://orbijet.com/products/tank-cleaning-systems/>

- Design specific to customer.
- Standard systems available
- Skid based construction
- Easy site installation
- Startup and commissioning
- On-site training

Bio 10



## Rotating Jet-Head Technology - Integrated Turbine

High Impact Tank Cleaning Machine  
Patented Self-Washing Features  
Small to Medium Size Tanks  
\*See product datasheet for further details.  
Web page: <http://tankcleantech.com/tank-cleaning-machines/>

- Pressure Range: 0-175 PSIG
- Flow Range: 0-80 USGPM
- Max Amb. Temp: 140°C
- Max Temp Working: 95°
- MOC: 316SS and PEEK
- Steam: Yes, low pressure

Bio 20



## Rotating Jet-Head Technology - External Drive Turbine

High Impact Tank Cleaning Machine  
Patented Self-Washing Features  
Small to Medium Size Tanks  
\*See product datasheet for further details.  
Web page: <http://tankcleantech.com/tank-cleaning-machines/>

- Pressure Range: 0-175 PSIG
- Flow Range: 0-80 USGPM
- Max Amb. Temp: 140°C
- Max Temp Working: 95°
- MOC: 316SS and PEEK
- Steam: Yes, low pressure

Bio 25



## Rotating Jet-Head Technology - Integrated Turbine

High Impact Tank Cleaning Machine  
Patented Self-Washing Features  
Medium to Large Size Tanks  
\*See product datasheet for further details.  
Web page: <http://tankcleantech.com/tank-cleaning-machines/>

- Pressure Range: 0-175 PSIG
- Flow Range: 0-200 USGPM
- Max Amb. Temp: 140°C
- Max Temp Working: 95°
- MOC: 316SS and PEEK
- Steam: Yes, low pressure

Bio 50



## Rotating Jet-Head Technology - Integrated Turbine

High Impact Tank Cleaning Machine  
Self-Washing Features  
Medium to Very Large Size Tanks  
\*See product datasheet for further details.  
Web page: <http://tankcleantech.com/tank-cleaning-machines/>

- Pressure Range: 0-300 PSIG
- Flow Range: 0-432 USGPM
- Max Amb. Temp: 140°C
- Max Temp Working: 95°
- MOC: 316SS and PEEK
- Steam: Yes, low pressure

CIP Optimization



## CIP Optimization

Minimize Pre and Post Rinse Cycles  
Validate cleaning in less than one minute  
\*See product datasheet for further details.  
Web page: <http://tankcleantech.com/cleaning-validation/>

- Uses ATP Method
- Cleaning values related in Relative Light Units (RLU)
- Measures total residual biomass
- Measures both alive and dead bio organisms
- Optimizes total CIP Recipe

Chemistries



## Enhancement Chemistries for Caustic Soda

Controls water hardness  
Reduces Caustic Soda Consumption  
Improved Cleaning  
\*See product datasheet for further details.

- Scientific Approach
- Additive to Caustic Soda
- Reduces annual cleaning costs
- Reduces rinse time
- Improves water conservation
- Reduces set point on Caustic %

Bio 2, 5, 7



## Rotating Spray Head Technology

Low Impact Tank Cleaning Machines  
Self-Washing Features  
Small to Medium Size Tanks  
\*See product datasheet for further details.  
Web page: <http://tankcleantech.com/tank-cleaning-machines/>

- Pressure Range: 0-50 PSIG
- Flow Range: 0-150 USGPM
- Max Amb. Temp: 140°C
- Max Temp Working: 95°
- MOC: 316SS and PEEK
- Steam: Yes, low pressure



## Installation Drawings detailing

- Cleaning installation locations
- Pressures and Flows
- Recipes
- Shadowing
- Pattern Density
- Jet Peripheral Velocities
- Impact Values

