

The Next Generation of the TrojanUV3000Plus

The TrojanUV3000Plus[®] has demonstrated effective and reliable performance around the world in the thousands of municipalities that rely on it every day. Since its introduction, we have continued to invest in and evolve the technology and are excited to announce a new generation of the product line. Our goal is to support our customers who have operated and trusted their TrojanUV3000Plus system for years by offering:

- New features to make the operators daily work faster and easier
- Cost-effective and simplified ways to work through the challenges of obsolescence and aging equipment

New Features to Simplify Operation & Maintenance:

Integra[®] Lamp Assembly

Same proven lamp and sleeve, now combined into a water-tight assembly

- Reduce the time and complexity of lamp replacement
- Lamps and sleeves are pre-assembled and factory-sealed to simplify replacement; there are fewer parts to keep track of, remove and reassemble
- O-rings and seals are permanently built-in, preventing leaks or particle contamination within the assembly
- Integrated design reduces potential of lamp or sleeve damage during maintenance
- Same reliable 250W amalgam lamp delivers 98% output after 12,000 hours guaranteed



Improved ActiClean[®] Sleeve Cleaning System

- Canisters hold twice the amount of cleaning gel for fewer refills
- Longer contact time during wiping for improved cleaning performance
- Hose connections are larger diameter and stronger reducing potential for clogs or breakage



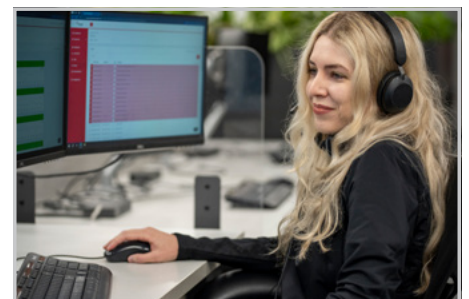
More System Control Options

- More controller options available, including the new TouchSmart[®] Plus controller
- Larger and easier to navigate screens for rapid monitoring, diagnosis and adjustments to UV system operation
- Outdoor rated screens for better visibility and resistance to sun damage



Connected Service with Stream[™]

- The Stream App is your personal view into your UV system; See system status, receive instant alarm notifications and access guided troubleshooting resources
- Stream Connection enables faster & easier technical support



The Challenges of Obsolescence and Aging Equipment

The latest features of the TrojanUV3000Plus were engineered to provide municipalities dealing with obsolescence and aging equipment more options and simplified ways to work through those challenges. Depending on the age and condition of your existing TrojanUV3000Plus, you could consider a full system replacement or core component upgrades.

Full System Replacement

The most evident signs that your existing TrojanUV3000Plus system might need replacing can be observed through inspection of your system. Visible wear and tear and corrosion of vital system components are signs to look for. Or, if you notice that more time is being spent servicing the system than in the past. There comes a point at which plants can save time, money, and effort by replacing their entire system.

Core Component Upgrades

Plants may be able to avoid a full system replacement and extend the life of their existing TrojanUV3000Plus by upgrading core components. This allows plants to take advantage of the latest features while scheduling upgrades at their preferred timing and as their budget allows. You may find that small investments into your system can result in long-term cost savings.

Benefits of a Replacement or Upgrade Solution

Latest Technology and Parts

UV parts — particularly electronics — in your UV system have evolved quickly over the past decade and many original components may be phased out and no longer available. Reduce the potential for unplanned downtime and meet treatment compliance with newer parts that are available now and into the future.

Stand-Alone Upgrade Components

The electrical and mechanical components supporting the core UV module are now designed to be stand-alone. This allows you to consider upgrading these components independent of others to facilitate individual budget and timeline considerations.

Like-for-Like Replacements

Construction and engineering for design and installation of a new UV system account for the large majority of cost when purchasing a UV system. When treatment needs are similar, you can keep your existing infrastructure and choose a direct like-for-like replacement at a fraction of the cost of building new.

Warranty Renewal

Replacing or upgrading to the latest TrojanUV3000Plus features comes with Trojan's one-year full system warranty.

What You'll Get with the Latest TrojanUV3000Plus

Feature	For TrojanUV3000Plus systems purchased in 2006 or earlier	For TrojanUV3000Plus systems purchased after 2006
Lamp	250W TrojanUV Integra lamp assembly ✓	TrojanUV Integra lamp assembly ✓
Controller	3 standard controller options to suit your specifications and budget: <ul style="list-style-type: none"> • Trojan TouchSmart Microprocessor • Trojan TouchSmart Plus Controller ✓ • Allen Bradley BL320ER 	3 standard controller options to suit your specifications and budget: <ul style="list-style-type: none"> • Trojan TouchSmart Microprocessor • Trojan TouchSmart Plus Controller ✓ • Allen Bradley BL320ER
HMI	Larger, easier to navigate screens with better visibility: <ul style="list-style-type: none"> • 12" Beijer Extreme (outdoor rated) ✓ • 12" Allen Bradley (indoor rated) ✓ 	Larger, easier to navigate screens with better visibility: <ul style="list-style-type: none"> • 12" Beijer Extreme (outdoor rated) ✓ • 12" Allen Bradley (indoor rated) ✓
HSC/PDC Combination	Replaced with newest design standards of stand-alone components to better support plant expansion needs. Improved component compatibility and availability.	
Double-sided PDC	Obsoleted and replaced with stand-alone components. Improved component compatibility and availability.	
PDC	Angled ✓	Angled
HSC	Compact Stand-alone ✓	Stand-alone
SCC	Stand-alone ✓	Stand-alone
Validation	New validation (for most sites) to our core 250W LPHO lamp ✓	Same validation, no changes to sizing or dose calculations
End of Lamp Life	New 3rd party validated 98% @ 12,000 hours ✓	Same 3 rd party validated 98% @ 12,000 hours
Fouling Factor	New 3rd party validated 95% with ActiClean ✓	Same 3 rd party validated 95% with ActiClean
PDC Safety	Improved PDC usability for quicker diagnostics and safe use: <ul style="list-style-type: none"> • Separate sections for high and low voltages ✓ • Touch-safe surfaces ✓ • Fuses and relays aligned to modules ✓ • Exterior LED Light ✓ • Angle mounted 	Angle mounted PDC with touch-safe surfaces
Reliability & Ease of Use	<ul style="list-style-type: none"> • UV module endcap ✓ • Robust module cables with better shielding ✓ • Drive bar & ActiClean improvements ✓ • Data trending of flow, power, UVT and dose ✓ • Color HMI & remote monitoring ✓ • Low voltage water sensor ✓ 	<ul style="list-style-type: none"> • Improved ActiClean system with larger canisters, bigger and more robust connections and hoses ✓ • Controls philosophy includes individual lamp monitoring, lamp out factor, maintenance mode and customizable alarm groups* ✓ <small>(features may be different by controller type)</small> • Technical Assistance access through Stream Connection ✓ • Level control panel and strategy ✓

✓ New features when upgrading to the 2022 model

Start Planning

If you are ready to start planning a system replacement or component upgrade, we recommend you begin by having a certified Trojan service expert inspect your system. A service expert will:

- Visit your plant and complete a top to bottom inspection of your TrojanUV3000Plus
- Recommend the most cost-effective replacement or upgrade options for your system
- Provide a no obligation quote

We're here to help. If you have questions, simply call us at **1-800-291-0851**, visit **trojantechnologies.com**, or contact your local sales and service representative.

To learn more about the brands and affiliates of Trojan Technologies, please visit www.trojantechnologies.com