

APG Fire Suppression System Transforms Swimming Pools into On-Demand Wildfire Defense Infrastructure for Homeowners

July 24, 2026

PLEASANTON, CA - July 24, 2026 -

APG Fire Suppression has announced broad commercial availability of the APG Fire Suppression System, a comprehensive wildfire defense solution engineered to convert existing swimming pools into rapid-deployment emergency water sources with professional-grade foam application capability.

The system addresses three critical challenges that have emerged during recent wildfire events: reliance on municipal water infrastructure, reliance on household electricity that disappears during precautionary shutoffs, and the need for immediate defensive measures homeowners can deploy when conditions deteriorate rapidly.

The APG Fire Suppression System operates as a standalone unit that draws water directly from residential swimming pools, eliminating dependence on pressurized municipal water systems. Professional installation completes in under 60 minutes, positioning the system for immediate operational readiness with minimal disruption to property owners.

Once installed, homeowners can activate the foam application system in minutes, saturating vulnerable exterior surfaces, roof materials, and surrounding vegetation with Phos-Chek Class A firefighting foam. The system's pump mechanism and control infrastructure operate independently of household electrical systems, maintaining full functionality during planned power shutoffs.

According to fire behavior research, ember ignitions account for the majority of structure fires during wildfire events, with glowing embers traveling up to a mile ahead of flame fronts. The APG system specifically targets this threat by applying firefighting foam through a dedicated nozzle array that creates heat-resistant, oxygen-starving barriers on the surfaces most susceptible to ember ignition.

The timing of APG's product launch coincides with growing recognition among homeowners that traditional defensive strategies presume infrastructure reliability that cannot be guaranteed during emergencies. Municipal water pressure drops when multiple properties simultaneously draw from hydrant systems, household electrical systems go dark during precautionary shutoffs, and evacuation timelines compress unexpectedly.

The APG system's independence from these infrastructure dependencies creates a self-sufficient defense layer that remains operational when conventional approaches fail. Homeowners retain access to tens of thousands of gallons of water already present in their pools, maintaining full foam application capability regardless of utility service status.

APG Fire has released demonstration videos showing complete installation sequences, foam deployment patterns, and system activation procedures. These materials document real-world installations in communities that experienced direct wildfire threats, including testimonials from homeowners in fire-affected regions who deployed the systems during actual emergency conditions.

APG Fire has established partnerships with licensed pool service contractors throughout California's fire-prone regions to deliver professional installation services. These authorized installers complete system integration, test foam application patterns, train homeowners on activation procedures, and provide ongoing maintenance support to ensure operational readiness during fire season.

In the San Francisco Bay Area, APG has partnered with established pool service providers including Adam's Pools and similar contractors who bring existing customer relationships and technical expertise in pool systems, pump operations, and water chemistry. This installer network model allows APG to scale deployment rapidly while maintaining installation quality standards.

The company has developed comprehensive training materials for its installer network, covering proper pump positioning, nozzle array configuration for different property layouts, foam concentrate handling procedures, and seasonal maintenance protocols. Installers also provide homeowners with operational checklists and emergency activation procedures.

System capacity scales based on pool volume, with typical residential installations supporting several hours of continuous foam application. The foam-to-water ratio follows industry standards for Class A firefighting applications, with concentrate stored in weather-resistant containers positioned near the pump assembly.

The nozzle array configuration adapts to individual property layouts, with installation professionals positioning spray patterns to cover roof surfaces, exterior walls, deck materials, and vegetation within the immediate

home ignition zone. Homeowners can adjust spray patterns and foam concentration during operation based on wind conditions and specific threat vectors.

System activation requires minimal technical expertise, with controls simplified for emergency conditions. The system provides homeowners with defensive options during the critical window when fires approach, offering tangible protective capability they can control and deploy independently.

APG Fire will focus initial deployment efforts in California's highest-risk fire zones, including foothill communities in the Sierra Nevada, coastal mountain regions in Northern California, and suburban-wildland interface areas throughout the Bay Area and Southern California. The company plans to expand its installer network and continue documenting real-world system deployments during actual wildfire events.

For homeowners in California's fire-prone regions, the APG Fire Suppression System represents a practical solution to infrastructure vulnerabilities that have emerged during recent catastrophic fire events. The system converts an existing asset—the family swimming pool—into a powerful defensive tool that operates when traditional infrastructure fails.

APG Fire designs and manufactures homeowner wildfire defense systems that convert existing water infrastructure into rapid-deployment firefighting capability. Founded in response to direct wildfire experience in California communities, APG focuses on practical, infrastructure-independent technologies for residential properties in fire-prone regions. The company is headquartered at 3675 Old Santa Rita Road, Pleasanton, CA 94588. Additional information is available at apgfire.com.

Bay Area installation services are provided through authorized contractors, including adamspools.com.

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For more information about Adams Pool Solutions, contact the company here: Adams Pool Solutions
Ray Langford (925) 828-3100 info@adamspools.com 3675 Old Santa Rita Rd, Pleasanton, CA 94588

Adams Pool Solutions

Leading pool and spa contractor in Northern California and Nevada. We offer comprehensive residential and commercial new construction and remodeling services, performed by our expert in-house crews.

Website: <https://adamspools.com/>

Email: info@adamspools.com

Phone: (925) 828-3100

