

THE NATIONWIDE BOILER STEAMLINES

AUGUST 2025



SMARTER CONTROLS, SAFER STEAM: THE EVOLUTION OF OUR RENTAL FLEET PANELS

The brains behind every boiler matters—and upgrades that we've made over time help ensure that our rental fleet is smarter, safer, and more reliable than ever.

Over the past decade, Nationwide Boiler has continually upgraded the control panels on our rental boiler fleet to improve reliability, safety, and ease of use. Each change has been a strategic step toward delivering better performance, faster service, and enhanced data access for our customers.

Our earlier systems, like the 2012 vintage panels with Siemens/Moore 353 controllers, provided dependable analog control but offered limited integration and diagnostics. By 2018, we began the transition to PLC-based panels with intuitive touchscreens, making operation easier and reducing the risk of error. Subsequent up-



grades included more robust controllers, enhanced burner management systems, and standardized HMI platforms—streamlining training, improving safety, and simplifying maintenance across the fleet.

Recent improvements, like the addition of EWON Flexy remote access, allow for secure real-time troubleshooting and predictive maintenance from anywhere in the world. Updated terminal designs, revised back-panel layouts, and planned network segmentation will further improve serviceability, safety, and system security. A special thanks to our Controls Division, whose expertise and innovation have been instrumental in driving these upgrades forward.



These enhancements not only make our fleet more reliable, but they also empower operators and maintenance teams. With better diagnostics, trend monitoring,

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and remote connectivity, our customers can anticipate issues before they become problems, reduce downtime, and optimize boiler performance. By providing this level of visibility and control, we help facilities run safer, more efficient operations with confidence.

The result is a rental boiler fleet that's more reliable, easier to operate, and built to meet evolving industry demands. With every upgrade, we ensure our customers benefit from the latest technology—helping keep their operations running smoothly and efficiently while minimizing costly downtime.

"...INTEGRITY, DEPENDABILITY, REAL CUSTOMER SERVICE."



THE HISTORY OF NATIONWIDE'S “WORLD BOILER”

Nearly 30 years ago, we saw a shift coming. Customers were beginning to demand larger package boilers—and at Nationwide Boiler, we knew we needed to be ready. Partnering closely with our friends at Babcock & Wilcox, we set our sights on their proven FM120-124 package watertube boiler, capable of producing 200,000 lb/hr at 650 psi superheated steam.

While some competitors stocked 250,000 lb/hr units, we chose the 200,000 lb/hr FM120-124 model for several key reasons: the flexible and common “D” type design, its outstanding track record for performance, and, just as importantly, its shippability. With B&W owning two railcars, we knew railcar availability for transportation wouldn’t be a roadblock.

In 1997, we purchased our very first 200,000 lb/hr stock boiler and quickly placed it on rent to an Exxon refinery in California. The boiler performed so well that Exxon purchased it outright—a common outcome for larger units due to their installation costs and long-term value. At the time, a boiler of this size took 42 weeks or longer to build (today it’s nearly 54 weeks), and that experience taught us a valuable lesson: always keep at least one of these units in stock for emergency rental or an opportunistic sale.

Over the years, we’ve fine-tuned our expertise with this model, developing standardized drawings and packages, while offering customizations like desuperheaters, enhanced control systems, CataStak™ SCR systems for ultra low NOx performance, and a variety of burner configurations for fuels ranging from natural gas and refinery gas to hydrogen blends and heavy oils.

Fast forward to today—since that first purchase, we’ve sold twenty-five FM120-124 units to industries across the globe. While many have served petrochemical plants and oil refineries, others have powered pulp and paper mills, sugar operations, and even power plants. Outside the U.S., these boilers have been shipped to Canada, Mexico, Trinidad, Venezuela, Malaysia, the U.K., Israel, and Nigeria.

With its proven reliability, flexibility, and international reach, it’s easy to see why we’ve coined this boiler the “World Boiler”—a unit that has consistently delivered performance and value in markets all over the globe for more than 25 years.

Sam

NBI NEWS BRIEFS



Employee News

Nationwide Boiler has expanded rapidly in recent years, and we are proud to have a current team of 88 talented professionals! We’re thrilled to introduce the newest members who have joined our growing family these last few months:

Horacio Garcia, Warehouse & Shop Support
Juan Hidalgo, Trailer Mechanic
Ari Oropezia, Industrial Painter
Zachary Quimson, Project Engineer
Devin LeJeune, Procurement & Service Lead



In addition, we are proud to announce that our HR Specialist, Lupe Garibay, is now also a certified Notary Public Officer. With this certification, Lupe provides essential notarial services, helping ensure document authenticity and streamlining administrative processes. Congratulations to Lupe on achieving this important milestone!

B&W Partnership Expands to OR and WA

Nationwide Boiler recently expanded our territory as an exclusive representative for B&W Boiler. With the addition of Oregon and Washington, we extend our existing partnership that has served the entire state of California and select counties in Nevada.

This expansion strengthens our commitment to providing best-in-class boiler solutions, local support, and unmatched technical expertise to customers throughout the West Coast. With this extended coverage, industrial facilities in Oregon and Washington can now access the same high-quality B&W boilers, parts, and service solutions that our California customers have trusted for years.



Learn more about this in our latest [press release](#).

Source Test Success at CA Food Facilities

Back-to-back source tests at two California food plants highlight the strength and reliability of equipment supplied by Nationwide Boiler. In one case, our in-stock 180,000 lb/hr B&W package watertube boiler with a CataStak™ SCR system delivered outstanding results, recording just 1.5 ppm NOx throughout the firing range. In a separate project, a 300 HP Hurst firetube boiler with Oilon ultra-low NOx burner achieved 3 ppm NOx and nearly zero CO. These results highlight the proven performance of our equipment in meeting—and exceeding—strict emissions requirements.

SAFETY MONTH AT NATIONWIDE ENCOURAGES SAFETY FIRST MINDSET

This summer, Nationwide Boiler took part in National Safety Month by focusing on four key areas that help keep our team safe and supported: well-being, employee engagement, roadway safety, and continuous improvement. Even though safety is something we prioritize year-round, this month gave us a chance to slow down and really focus on what it means to stay safe both at work and beyond.

The month kicked off with employee well-being, highlighting how important it is to take care of our mental and physical health. Individuals who are tired, stressed, or burnt out are more likely to make mistakes. That’s why we encourage open communication, promote a healthy work-life balance, and offer support through our Employee Assistance Program (EAP). Taking care of ourselves helps us take care of each other and our customers.



Next, we looked at employee engagement because safety works best when everyone is involved. Speaking up, asking questions, and sharing feedback all play a big part in building a strong safety culture. Programs like our Safety Committee, toolbox talks, and “Good Catch” awards help create space for those conversations and make sure every voice matters.

In week three, we shifted the focus to roadway safety. A lot of us spend time on the road for work, and distracted or

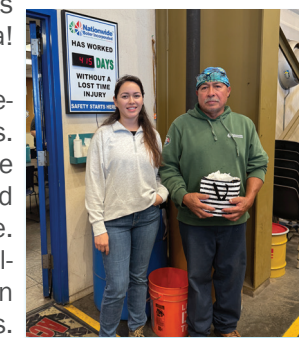


drowsy driving is something to not take lightly. We shared tips like staying off your phone while driving, doing quick vehicle checks, and always buckling up. Whether we’re behind a desk or behind the wheel, safety always comes first.

To wrap up the month, we talked about continuous improvement because staying safe isn’t something you check off once and forget about. We’re always reviewing procedures, learning from past incidents, and looking for ways to improve. Safety is a team effort, and we’re committed to doing better every day.

A big shoutout to Gaby Franco, our Health, Safety & Environmental (HSE) Specialist, and the entire Safety Committee, for organizing a successful month of safety activities and educational events. We concluded the month with a team luncheon and proudly recognized this year’s Safest Employee Award recipient - congrats and great job to Jose Molina!

At Nationwide Boiler, safety remains one of our core values. It means looking out for one another, staying vigilant, and continually striving to improve. We are proud of the safety culture we are building and remain committed to ongoing progress.



NBI EMPLOYEE SPOTLIGHT: NICK LEJEUNE



At Nationwide Boiler, our success is powered by the expertise and dedication of our people—and our Business Development Manager, Nick LeJeune, is a prime example of this. Since joining the company over four years ago, Nick has brought a wealth of industry knowledge, a relationship-driven approach, and a results-focused mindset that has delivered value to customers across the Gulf Coast, throughout the U.S., and internationally.

Based out of our Alvin, Texas facility, Nick has a degree in Business Finance from SDSU but a career rooted in equipment sales, and Nick has earned a reputation as a trusted resource in the boiler industry. At Nationwide Boiler, he leads major equipment projects, manages our extensive partner network,

and works closely with leadership to expand market reach, grow revenue, and develop forward-thinking solutions. One of his most notable achievements was securing the sale of four (4) 2,000 HP hot water boilers for an LNG station in New Jersey—a project that highlighted his strong client relationships and our company’s ability to deliver on complex, large-scale needs.



Outside of work, Nick is equally passionate and driven. He enjoys scuba diving, golf, hiking, and caring for orchids collected during a family trek through the Andes Mountains as a teenager—a unique adventure that still shapes his love for exploration. He also devotes his time to his wife and children, instilling in them the values of curiosity, perseverance, and making a positive difference in the world. His dream destination, Belize, offers the perfect mix of his favorite activities—diving, fishing, golfing, and exploring lush jungles—with the bonus of potentially discovering new orchid varieties.

Nick’s leadership, expertise, and commitment to innovation make him an essential member of the Nationwide Boiler team. We’re proud to have him driving business development efforts and representing our brand with integrity and excellence, both regionally and globally.

FROM OUR BLOG TO YOUR BOILER: EXPERT TIPS & NEWS UPDATES

At Nationwide Boiler, we believe that sharing knowledge is just as important as delivering high-quality equipment and service. That's why, in 2009, we became the first boiler rental and systems supplier to launch a dedicated Boiler Blog—well before digital resources were common in our industry. From the beginning, our goal was clear: provide open communication, practical insights, and industry education that our customers and peers could rely on.

Today, the Boiler Blog remains your go-to resource for technical tips, industry insights, company news, and more. Whether you're an engineer, operator, plant manager, or simply curious about how boilers support operations around the world, the blog is designed to keep you informed and up to date. You'll find best practices for boiler operation and maintenance, updates on emissions regulations and compliance strategies, spotlights on unique rental projects and success stories, insights into industry trends and innovations, and a behind-the-scenes look at the Nationwide Boiler team and company culture.

If you're not already following along, now is the perfect time to start. You can find the [Boiler Blog](#) on our website in the Resource Center, or by scrolling to the footer under the "From the Blog" section. Bookmark it, check in regularly, and stay ahead of the curve with real-world knowledge you can trust.

And lastly, we're always eager to hear from our readers. Whether it's a boiler issue you've encountered, a new trend you're exploring, or an insight you think everyone in the boiler world should know, your ideas help shape the blog and keep it relevant, practical, and engaging for everyone.



BOILER EMISSIONS: THEN, NOW, AND WHAT'S NEXT

Over the last five decades, emissions regulations for boilers have evolved from broad federal mandates to highly specific local standards—especially in states like California, Pennsylvania, and Texas. What began with the Clean Air Act of 1970 has transformed into a much more nuanced landscape, with regulators pushing for lower NOx emissions to protect public health and meet clean air goals.

California continues to set the pace with the most aggressive standards in the country. Air districts such as the South Coast AQMD, San Joaquin Valley APCD, and Ventura County APCD now require NOx limits as low as 2.5 ppm

for certain boiler categories—often necessitating equipment upgrades or advanced emissions control systems. These rules are being phased in with strict compliance timelines and enforcement.

Pennsylvania has begun following in California's footsteps, tightening regional NOx limits and encouraging the use of modern emissions reduction technologies in high-impact areas. Similarly, Texas—particularly in ozone non-attainment regions like Houston-Galveston-Brazoria and Dallas-Fort Worth—enforces its own set of stringent air quality regulations. In some locations, the TCEQ requires NOx levels to be as low as 8.3 ppm, and depending on system size and permit type, many facilities must adopt control strategies such as low NOx burners, flue gas recirculation, or SCR systems to comply.

At Nationwide Boiler, we've been helping customers stay ahead of the regulatory curve since the early days of low NOx enforcement. We were the first in the industry to convert our entire fleet to 30 ppm NOx, the first to offer ultra-low NOx SCR systems for mobile boiler applications, and we maintain a fleet of new in-stock boilers and rental systems with ultra-low NOx burners for single digit NOx compliance. Our CataStak™ SCR system has been successfully installed on hundreds of boilers, guaranteeing emissions as low as 2.5 ppm NOx and achieving sub-1 ppm NOx performance. These results have helped clients meet some of the most demanding air quality regulations in the country.



But we're not stopping there. Our team is continuously evaluating new technologies, fine-tuning existing solutions, and offering customized systems to help facilities comply with current rules and prepare for future changes. Whether through mobile boiler rentals, permanent boiler packages, or emissions retrofit solutions, Nationwide Boiler remains committed to delivering reliable, forward-thinking emissions control.

As more states move toward tighter emissions rules, the need for flexible, proven, and cost-effective solutions will only grow. Nationwide Boiler is proud to lead the way in helping companies navigate this evolving landscape—no matter where they operate.



KEEPING IT SAFE: GAS TRAIN MAINTENANCE

In any environment where boilers are essential to operations, safety and reliability are paramount. One critical, yet often overlooked component is the fuel train—the component that controls fuel delivery to the burner. During budget cuts, maintenance of this system is frequently deferred, a decision that can lead to gas leaks, combustion failures, and serious safety risks. For facilities operating steam boilers, consistent gas train maintenance is vital to ensuring safe and reliable performance.

The gas train is made up of mechanical and electrical components (shut-off valves, pressure regulators, solenoids, pressure switches, and piping) that work together to manage fuel flow and respond to unsafe conditions. Its primary functions are to (1) control the fuel entering the burner, (2) shut off fuel in hazardous situations, and (3) maintain proper gas pressure. Even in systems equipped with modern safety interlocks and burner management systems, the effectiveness of these features hinges on regular testing and operator awareness.

When maintenance is neglected, small component failures can go unnoticed but may compromise the entire combustion system. Common problems include leaking

valves, faulty pressure switches, malfunctioning regulators, and worn or bypassed interlocks. In many cases, combustion-related incidents stem not from the absence of safety devices, but from skipped inspections and a lack of staff training.

To mitigate risks, facilities should implement a structured gas train safety program that includes thorough operator training, clearly written startup and shutdown procedures, and routine inspection schedules. Testing should cover valve tightness, pressure switch functionality, flame safeguard checks, and compliance with NFPA, ASME, and local codes. All testing should be documented to support traceability and compliance. Periodic third-party equipment reviews can be valuable when installing new systems or upgrading existing ones, helping to identify design flaws and ensure proper integration. Facilities should also plan for proactive upgrades of aging components, favoring modern PLC-based burner management systems that offer enhanced diagnostics and safety features.

Ultimately, maintaining safety and reliability goes beyond hardware. It requires a proactive culture of safety that prioritizes preventive maintenance, ongoing training, and system improvements—not just in permanent systems, but also in rental boiler operations.

NATIONWIDE PARTNER SPOTLIGHT: KEI STEAM SOLUTIONS



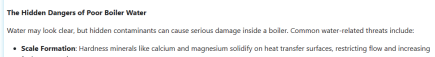
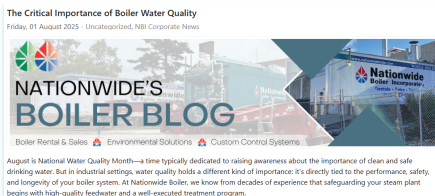
Under the leadership of President Kevin Rasmussen, KEI Steam Solutions, Inc. has been a trusted leader in the steam and heat transfer industry for more than 30 years delivering best-practice solutions for steam, condensate, heat recovery, and fluid systems. Headquartered in Green Bay, Wisconsin with additional offices in Milwaukee, Minneapolis, Wisconsin Rapids, and Sioux Falls, KEI Steam supports Nationwide's customer base across Southern, Central, and Eastern Wisconsin as well as Michigan's Upper Peninsula.

Renowned for their collaborative, solutions-driven approach, KEI Steam's team works closely with clients to provide engineering support, technical expertise, and high-quality products tailored to the unique demands of each system. From equipment selection and project execution to system au-

ditions and ongoing service, their focus remains on achieving optimal performance and complete customer satisfaction.

Since joining Nationwide Boiler's partner network in July 2023, KEI Steam Solutions has exemplified the values we prioritize in our partnerships. Our team continues to collaborate with their experts to deliver responsive solutions that meet urgent customer needs while enhancing system efficiency and reliability.

We're proud to highlight KEI Steam Solutions in this spotlight and look forward to continuing our shared commitment to quality, innovation, and delivering results that exceed customer expectations.





SWINGING FOR A CAUSE: HIGHLIGHTS FROM NATIONWIDE'S 44TH ANNUAL CHARITY GOLF TOURNAMENT

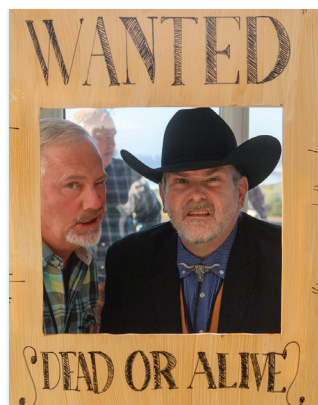
Nationwide Boiler's 44th Annual Pebble Beach Charity Golf Tournament teed off with sunshine, smiles, and plenty of friendly competition—all in support of some incredible causes. This event isn't just about birdies and eagles, it's about boiler industry professionals and end-users coming together as a community to make a real difference, each and every year.

Over two days at the beautiful Pebble Beach Golf Links and the Links at Spanish Bay, golfers brought their skills and their best Western spirit to the green. From the gold ball competition at our practice round to an exciting tournament round, every swing helped raise funds for Make-A-Wish® Greater Bay Area and the ABMA's Randy Rawson Scholarship Fund.

We're proud to announce that thanks to the generosity of our participants, sponsors, and donors, this year's tournament raised a record-breaking amount of more

than \$70,000—surpassing all previous years. These funds will make a lasting impact by supporting children's wishes and advancing education in the boiler industry.

The Western-themed awards banquet was a lively celebration, complete with cowboy hats, country tunes, and plenty of good cheer. Raffles, auctions, and heartfelt moments rounded out the event, leaving everyone with lasting memories and a shared sense of accomplishment.



A heartfelt thank you goes each and every contribution that was crucial in making this tournament a resounding success. Here's to another year of great golf, great company, and making great things happen! We look forward to welcoming guests back for the 45th

Annual Charity Golf Tournament, so save the date for May 5-8, 2026. Our practice round will be played at Spyglass with the tournament round at the Pebble Beach Golf Links.

- FEATURED INVENTORY - RECONDITIONED WATERTUBES

When time, budget, and reliability matter, purchasing a quality used boiler can be the ideal solution. Used boilers offer faster lead times, lower upfront costs, and proven performance—without compromising safety or efficiency. That's why Nationwide Boiler continues to invest in high-quality pre-owned equipment to better serve our customers' rental and purchase needs.



The most recent addition to our inventory includes five (5) late model used package watertube boilers, all currently being reconditioned in partnership with NBW, Inc. at their shop in Cleveland, OH. These boilers are currently available and being offered for long-term rental or purchase:

- One (1) 75,000 lb/hr, 395 psig, Low NOx D-Type Boiler
- Two (2) 80,000 lb/hr, 395 psig, Low NOx O-Type Boilers
- One (1) 90,000 lb/hr, 250 psig, Low NOx D-Type Boiler
- One (1) 90,000 lb/hr, 395 psig, Low NOx D-Type Boiler

Each unit comes equipped with a low NOx burner, burner management system, and forced draft fan. With ongoing refurbishment by NBW, these boilers will be restored to high performance standards and made ready for deployment to customers with an immediate need, worldwide.

Nationwide and NBW's thorough reconditioning process ensures that each unit meets our high standards for safety, performance, and long-term reliability. Whether you need a cost-effective solution for a capital project, a fast turnaround to replace a failed unit, or additional capacity for peak demand, these used / reconditioned boilers offer a practical and reliable path forward.

Used and Reconditioned boilers are not only a smart financial choice—they also help reduce lead times and minimize downtime. Explore our full [Stock Inventory](#) online, or contact us today to learn more about rental or purchase options tailored to your needs.



STOCK BOILER INVENTORY SPOTLIGHT

47.5 HP, 150 PSIG
New Hurst
Low NOx, Vertical Tubeless
Package Boiler

60 HP, 150 PSIG
Used Precision
Electric Steam Boiler

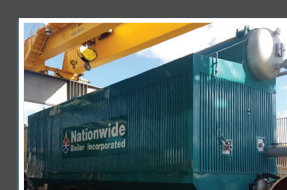
150 - 800 HP, 250 PSIG
New Hurst
Low or Ultra-Low NOx
Package FT Boilers

1200 HP, 250 PSIG
Used York-Shipley
Low NOx
Package FT Boiler

90,000 PPH, 950 PSIG
Reconditioned Victory
Low NOx Package WT Boiler

200,000 PPH, 750 PSIG / 750F
Used B&W, Low NOx
Package WT Boiler

**Additional boilers in-stock & in-production, inquire within for more details.*

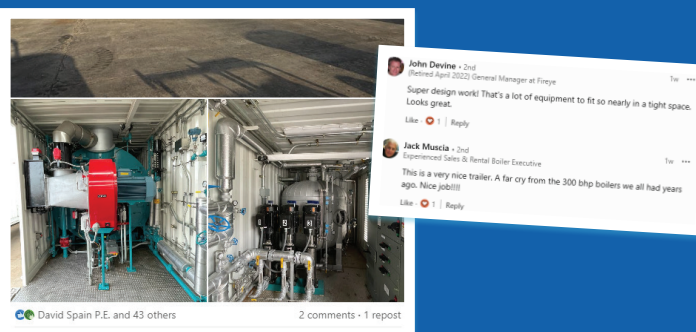
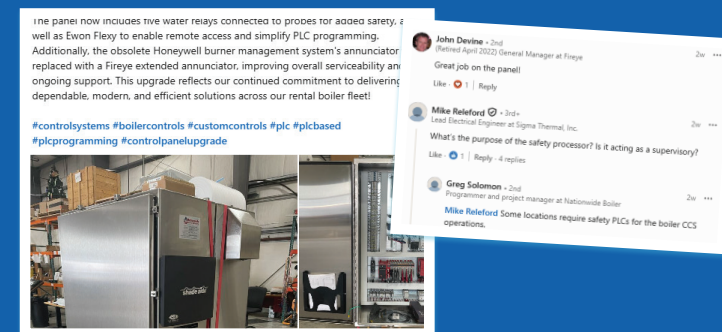
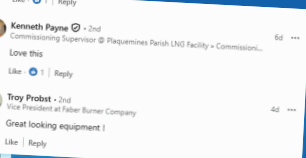
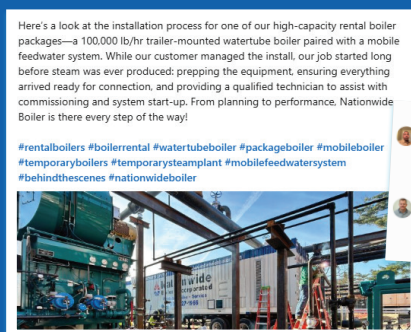
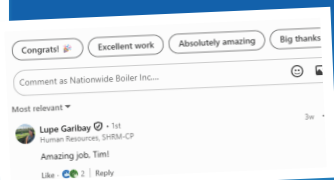
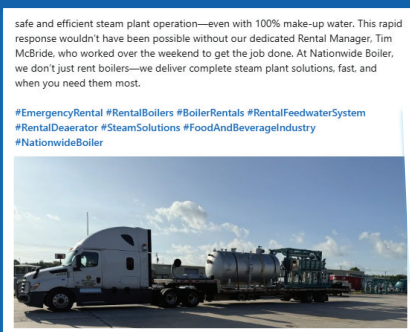


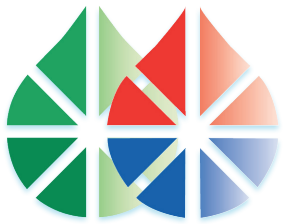
2025 UPCOMING EVENTS

WIBI Symposium, Minneapolis, MN
October 15 - 19



API Fall Meeting, Anaheim, CA
November 10 - 14





THE NATIONWIDE BOILER **STEAMLINES**

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