

Treatment Solutions For Proving Systems



e9 Treatments offers game-changing surface treatment solutions, designed by surface modification experts, to protect and enhance the operational efficiency of industrial assets used by industries across the globe.

Our solutions transform how treated equipment surfaces perform in harsh industrial environments. When applied to surfaces of critical prover components (shafts, guide rails, poppet, flanges, and seals) our treatments change the surface characteristics, helping to:



Reduce Fouling & Buildup

- Slow adhesion of contaminants and debris
- Minimize seal damage from shaft buildup
- Simplify cleaning and inspection



Improve Measurement Accuracy

- Maintain consistent proving performance through enhanced proving accuracy and repeatability
- Reduce leakage and measurement drift caused by fouling



Extend Service Life

- Improve equipment reliability
- Protect shafts, guide rails and barrel interiors from wear and corrosion
- Extend seal life and reduce component replacement frequency
- Eliminate cleanings between waterdraws



Reduce Maintenance & Downtime

- Extend shaft and internal seal life
- Strong ROI through lower cost of ownership and reduced operational costs



REAL BENEFITS



Case Study

Prior to being treated with e9, the company's small volume prover was working hard under challenging conditions, but frequent exposure to debris and contaminants led to buildup on the shafts and inside the prover barrel requiring regular maintenance.

The pipeline company significantly reduced their costs and increased prover efficiency by treating their prover shafts and barrel with e9 Treatments.

Results:

- Monthly failures eliminated
- No leaks or downtime reported over 8+ months, over 800% increase in seal life
- Reduced maintenance costs and improved proving reliability
- The operator subsequently standardized on e9 Treatments for all new and serviced provers

TREATMENT CHARACTERISTICS



Clear, ultra-thin surface protection, Surface appearance, conductivity, and function remain unaltered



Temperature resistant to handle most industrial environments



Treated assets numbering hundreds of thousands deployed globally



Will not void device warranty, as validated by many OEMs. Compatible with existing materials and design



Repellent to water, oil & many contaminants

TESTIMONIAL

"It's pretty simple. e9 works. We were having trouble with the prover at least once a month. Since we treated the first prover with e9, we haven't had any problems. We can focus on other things and know the provers are accurate and in good shape. For us, treatment with e9 is now a standard for all new provers and any needing repair or maintenance."

– *Measurement Manager, Pipeline Operator*

SERVICE & APPLICATION EXPERTISE



Service Options

e9 Treatments offers flexible treatment programs for prover operators:

- * Treatment of new equipment prior to use
- * In-field treatment
- * Off-site refurbishment
- * Preventive maintenance (seal and shaft service)



GETTING STARTED

Make e9 Treatments part of your new install and preventive maintenance programs today! Whether you operate in oil & gas, chemical processing, water/wastewater, transportation or manufacturing, e9 treated industrial assets offer significantly improved uptime, accuracy and ROI when compared to untreated parts.

Call **210-742-1051** to get started. We work with fabricators and local service companies, OEMs, distributors and end users. e9 personnel will handle logistics and scheduling to ensure that you receive great service!

The information and recommendations relating to the application and end-use of these products are given in good faith based on current knowledge and experience with the products applied under normal conditions. In practice, differences in materials, substrates and actual site conditions are such that no warranty in respect to the merchantability or fitness of these products for a particular purpose, nor any liability arising out of any legal relationship whatsoever can be inferred from this information.

e9 Treatments, Inc. products are afforded patent protection in the oil & gas industry under patents: 9476754, 9688926, 10059892, 10150924, 10934497, 10844299, 10822559