

# AUTOMATED LIQUID COATING RING

*Automated liquid coatings for field joints*



With the oil and gas industry heading toward defined technological advances, Aegion Coating Services engineers have strategically developed a field joint coating mechanism that can apply liquid coatings automatically on the field joint. The development of the Liquid Coating Ring represents the cross-section of functionality and consistency for a more reliable solution in corrosion protection.

## Liquid Coating Ring

The Liquid Coating Ring is engineered to be user-friendly and operated by the push of a button. After being lowered onto the pipe, the ring automatically rotates around the field joint for a more consistent result. One of the many advantages of the Automated Liquid Coating Ring is the use of the Paint and Solvent Reclaim System to alleviate the issue of overspray and waste. The travel speed, number of passes, thickness, width, temperature, and pressure can all be regulated to reduce variability in the final product.

## Advantages

- Automatic ratio control
  - Data logging components
  - Programmed application parameters
- Environmentally-friendly
  - Paint solvent reclaim system
  - Reduction in waste
- Multiple product capabilities
- Easy maintenance
- Reduced manpower by 50%
- Operator friendly
- Fail-safe programming
- Consistent mil thickness results
- Up to 80% reduced application cycle time

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## Paint and Solvent Reclaim System

The highly innovative Paint and Solvent Reclaim System makes this unit beneficially attractive. For disposal, other spray systems point the fan away from the pipe either directing the waste overspray unchecked into the environment or into a collection container that must be manually retrieved by an operator. Aegion Coating Services's advanced Paint and Solvent Reclaim System directs the entire waste stream into a receptacle for easy disposal.

## Technical Support

Aegion Coating Services is known for its quality in the industry and our technical service is no exception. We provide technical assistance for all of our products and services.

## Minimum Downtime

The simplicity of the system along with its ease of use minimizes downtime.

## Services Available

- Technical support
- Setup
- Application support
- Material

## System Features

### Ratio Specs

- Plural component ratio range — 1.0:1 to 10.0:1 ± 5%
- Digitally controlled ratio and material parameters for traceability
- Dosing catalyst injection system provides uniform blended coating

### Spray System

- Paint/solvent reclaim system
- Automatic drum loading system
- Heat traced lines and drums ensure consistent spray quality
- Spray field joints up to 24 inches wide
- Coating DFT between 10 to 60 mils
- Tight film build tolerances reduce waste associated with thickness
- Mounting of the mixing manifold on the ring minimizes solvent purge waste
- Multi-component spray for a variety of coating options

An ISO 9001:2008 Certified Company



# AEGION<sup>®</sup> | COATING SERVICES

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