



## Model RT SCR Cleaning System

***Clyde Bergemann Has Installed  
More SCR Cleaners Than all  
Other Companies  
COMBINED!***





# Clyde Bergemann is the undisputed leader in SCR Cleaning Systems worldwide. At present over 85% of the world's SCR reactors are cleaned using Clyde Bergemann technology!

Lance tube, preheat tube and elements are all made to cause the least amount of restriction to flow and reduce the event of deposit buildup to happen on the rake element.

The canopy is designed to provide a sturdy platform for the carriage mechanism to travel within and is galvanized for long life.

Bolt in gear rack for ease in maintainability and 2", square tube roller rails to provide solid stable operating platform.

Externally adjustable poppet valve provides accuracy in pressure settings and ease in adjustment.

The number and placement of nozzles is made to maximize cleaning while minimizing catalyst damage.

Easy to get to, adjustable poppet valve linkage.

The preheat loop is designed to remove moisture from the cleaning medium, thus protecting the reactor catalyst.

The rake element incorporates a special welding process whereby the joints are made without causing undue cleaning medium flow restrictions.

Hourglass support roller designed for maximum rake support.

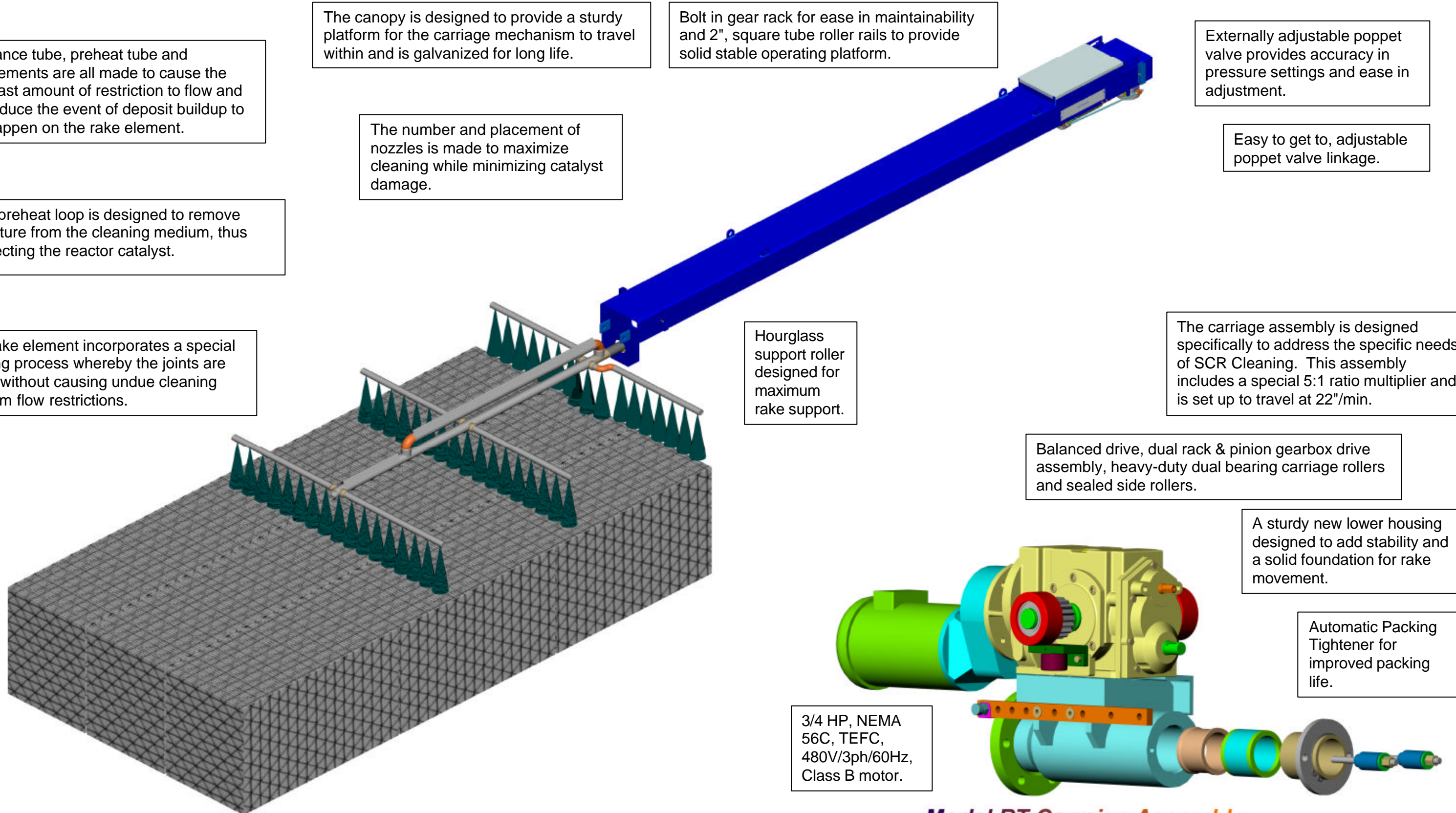
The carriage assembly is designed specifically to address the specific needs of SCR Cleaning. This assembly includes a special 5:1 ratio multiplier and is set up to travel at 22"/min.

Balanced drive, dual rack & pinion gearbox drive assembly, heavy-duty dual bearing carriage rollers and sealed side rollers.

A sturdy new lower housing designed to add stability and a solid foundation for rake movement.

Automatic Packing Tightener for improved packing life.

3/4 HP, NEMA 56C, TEFC, 480V/3ph/60Hz, Class B motor.



**Model RT Carriage Assembly**

*SCR cleanliness is inherently difficult due to the sensitive materials used in producing the reactor elements and the nature of the particulate to be removed.*

When selecting an SCR Cleaning System consideration must be given to:

### **Effective Delivery of Cleaning Medium**

The system must be designed to deliver the cleaning medium to the maximum surface area of the reactor in order to promote the catalyst's effectiveness and eliminate downtime due to pluggage.

Success comes from experience. With hundreds of successful installations worldwide, Clyde Bergemann has painstakingly developed the most successful and proven delivery mechanism available with facets such as nozzle design and arrangement being scientifically configured.

### **Dependable Delivery of Cleaning Medium**

System components must be designed to continuously operate throughout the ozone emissions season without fail. The Clyde Bergemann RT is the SCR cleaner of choice due to the high reliability factor provided by the unique balanced, modular drive mechanism which eliminates failures commonly associated with unbalanced integral drive mechanisms.

### **Safe Delivery of Cleaning Medium**

Combining our unique nozzle attributes with our unique "Preheat" loop to remove damaging moisture, Clyde Bergemann can offer the highest degree of confidence that reactor life will be prolonged in addition to being cleaned effectively.

### **Economics of Cleaning System Choice**

When balancing the cost of the time proven successful Clyde Bergemann cleaning system against the tremendous costs associated with use of an unproven or experimental system, it is clear why the system of choice is the Clyde Bergemann RT SCR Cleaning System. Unproven or experimental systems may cause reactor damage, downtime due to pluggage, legal fines due to SCR inoperability, high maintenance costs and environmental damage. Also, the typical cost of the SCR cleaning system is less than 1% of the total SCR investment. Why take a gamble on lesser cleaning systems, choose the Clyde Bergemann model RT SCR Cleaning System.