

## Equipment Data

Chemical Supply.....	4 GPM (max)	Electrical.....	N/A
Pneumatic.....	60 PSI (max)	Temperature.....	N/A

## Description Of Content

2 -	Chemical Tire Applicator Trees.....	Pic #1
4 -	Valves Assemblies.....	Pic #2

## Pictures



Pic #1: Set of CTA Applicators



Pic #2: Valves Assemblies



Pic #3: CTA Base Tree



Pic #4: Tubing and Fittings

## Suggested Installation Tools and Materials

7/8" Open Wrench or Crescent Wrench  
 Ball Pein Hammer  
 3/8"-3" Anchor Bolts (Qty 4)  
 1/2" Natural Polyethylene Tubing  
 1/2"x3/8"x3/8" Tee Push-On Fitting

1/2" Hammer Drill with 3/8" Drill Bit  
 9/16" Open Wrench or Crescent Wrench  
 3/8" Black Polyethylene Tubing  
 3/8"x3/8"x3/8" Tee Push-On Fitting  
 Zip-Tie

## Installation Instruction

**Using** a 7/8" open wrench, secure two valves assemblies into each **CTA** base (see Pic#3).

**Locate** the area where the **CTA** applicators will be installed. Make sure that the under floor is not equipped with heat apparatus if you chose to secure the applicators with floor anchors. Also allow a sufficient distance between the applicators and the cleaning equipment, the chemicals used in tire and wheel cleaning often requires dwell times ("soaking time") for the chemicals to work.

**Position** both applicators in line and perpendicular to the conveyor, the first one on the driver side and the next one to the passenger side. **Measuring** from the inside edge of the conveyor inside guide rail to the applicator base (see Drawing #1).

**Secure** the applicator to the floor using 3/8" concrete fasteners or equivalent.

**Position** the wheel sensor (floor mat) ahead of the new **CTA** by measuring the distance from the applicator base to the sensor exit edge (see Drawing #1).

## Plumbing

**Using** polyethylene tubing 3/8" O.D. for air and 1/2" O.D. for solution, pull both lines from the back room unit (dilution station) to the **CTA** area in the wash bay. Terminate the air line (3/8" O.D) with a 3/8" X 3/8" X 3/8" tee (see Pic #4) and the solution line (1/2" O.D.) with a 1/2" X 3/8" X 3/8" fitting. Run additional 3/8" air lines from both tees to each applicator (see Drawing #3).

**Connect** the air line tubing as shown on Drawing #2 (solution to the top fitting and air to the bottom).

## Operation

**At** start up, open both the air and solution ball valves completely on each applicator. Turn **ON** the solution and air supplies from the back room.

**Adjust** the solution pressure to 40 PSI and the air pressure to 20 PSI.

**After** the solution and the air have reached the applicators, adjust the ball valves. Adjust the flow by slightly closing the top ball valve of the applicator spraying the most solution, balance the flow between both applicators: Increasing the flow of solution delivered to the applicators will generate “wetter” foam. Decreasing the amount will generate “drier” foam from the applicators.

**Adjust** the air pressure to obtain the desired wheel coverage: increasing the air pressure to the applicator will increase the spray angle but may reduce the volume of solution delivered to the applicator, therefore making the foam “drier”. Decreasing the air pressure will decrease the spray angle but may also increase the volume of solution delivered to the applicators and make the foam “wetter”. Adjust both air ball valves to balance the air flow between the two applicators

**Finally** adjust the direction of each nozzle in order to optimize the coverage of most of wheels to be cleaned.

## Preventive Maintenance Tips

**Inspect** each nozzle for wear and/or visible damages. Replace any damaged nozzle.

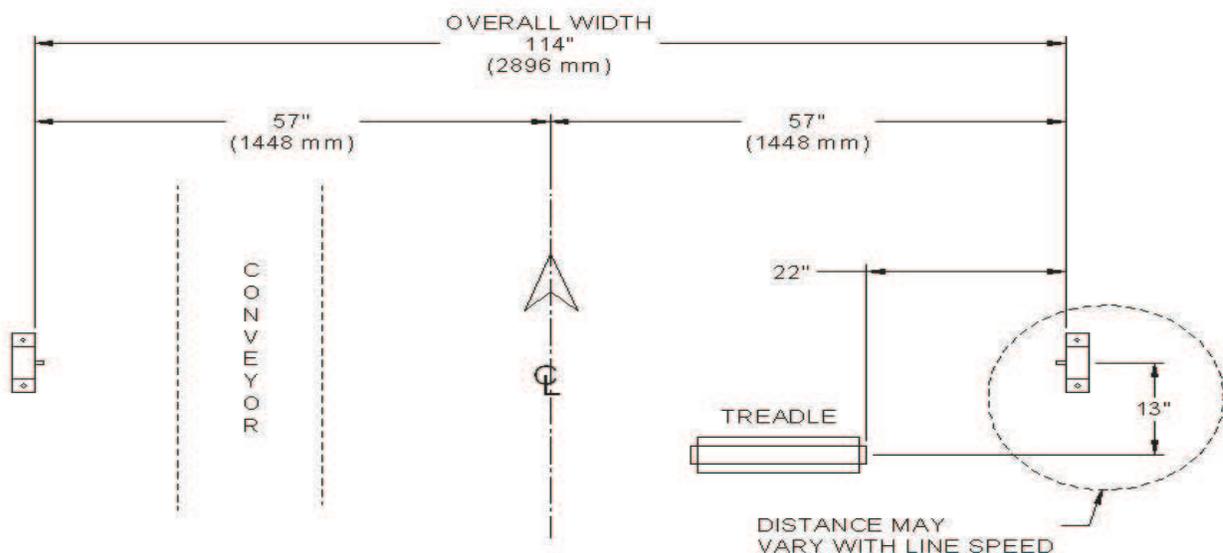
**Remove** the foamer generator assembly from the **CTA** base, remove the plastic mesh and clean it periodically with warm soapy water. Keeping the foamer generator cleaned from deposit will guarantee the applicators a maximum efficiency... for years to come!!!

## Warranty and Return Procedure

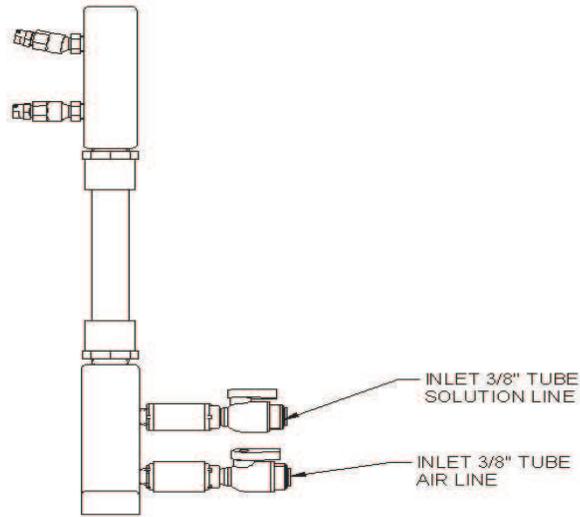
**MacNeil Wash Systems** warrants this product to be free of defect in material and/or workmanship for a period of **one year** from the date of the purchase by the customer from MWS. During the warranty period MWS will at its discretion, at no charge to the customer, repair or replace this product if found defectives, with a new or refurbished unit, but not to include costs of removal or installation. Any product returned to MWS for warranty has to have a **Return Goods Authorization Number**. All shipping cost to MWS is assumed by the customer. This is only a summary of **MWS Limited Warranty**. Please, communicate with MWS for our complete warranty.

**Prior** to returning any product to MWS, the customer must call in for **Return Goods Authorization Number** and a copy of our **Return Goods Authorization Form** filled and completed by our Tech Support Department. The **RGA** number must be written clearly on the outside of the shipping package and copy of the form must be included in the package.

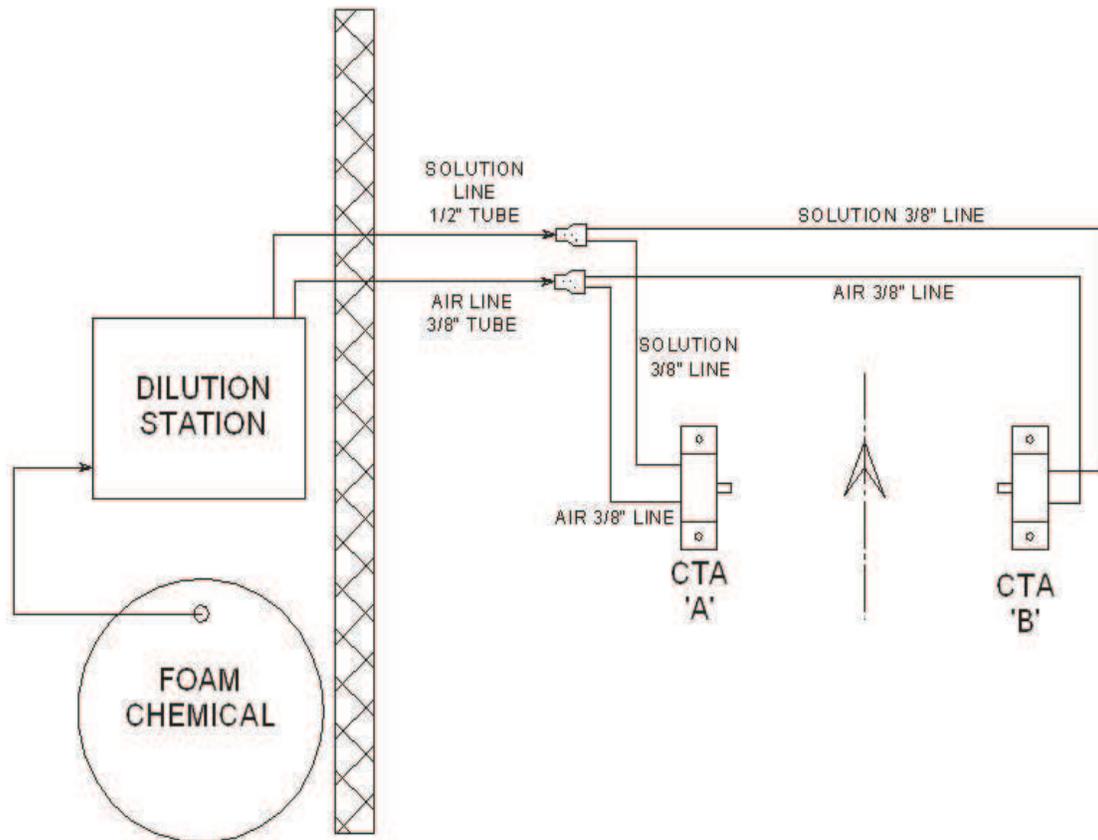
## Drawings



DWG #1: CTA Positions

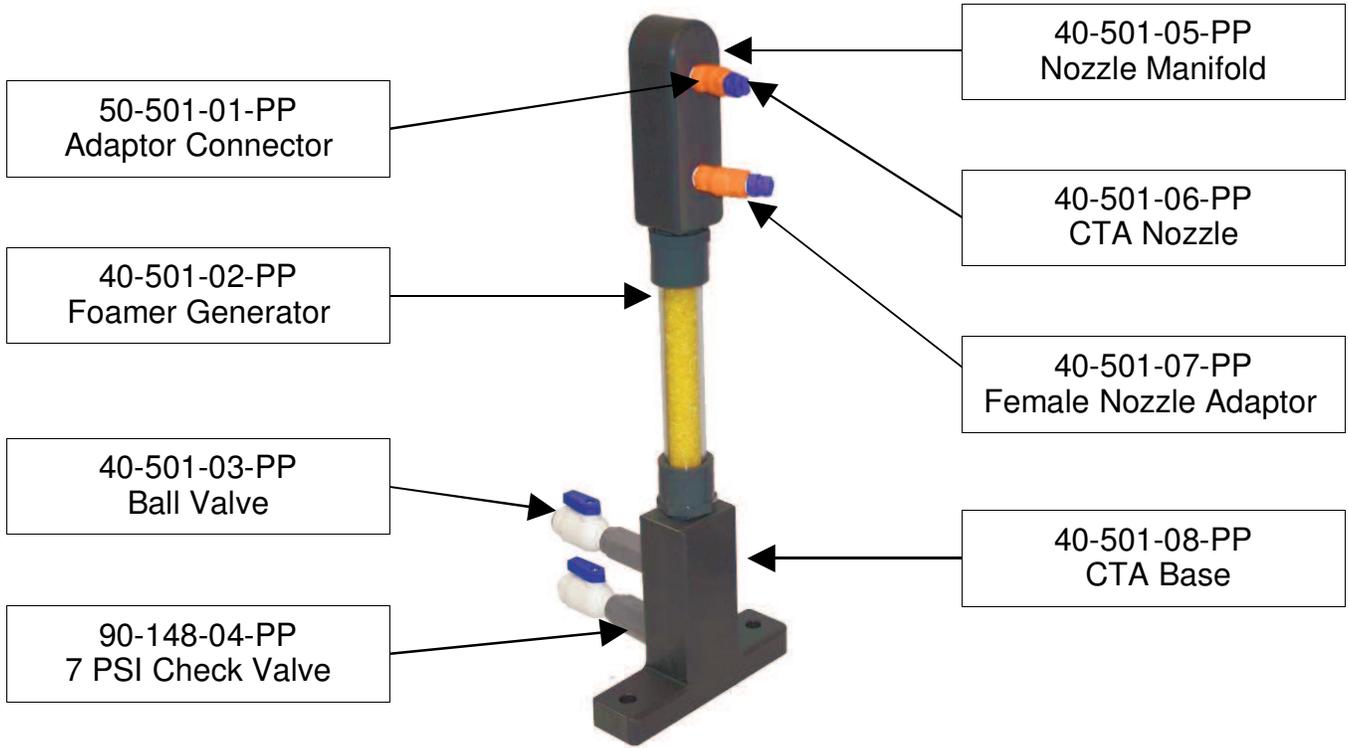


DWG #2: CTA Connections



DWG #3: CTA Plumbing

**Replacement Parts**



MacNeil Wash Systems Limited  
90 Welham Road, Barrie, Ontario  
L4N 8Y4  
toll free 1-800-361-7797  
www.macneilwash.com