

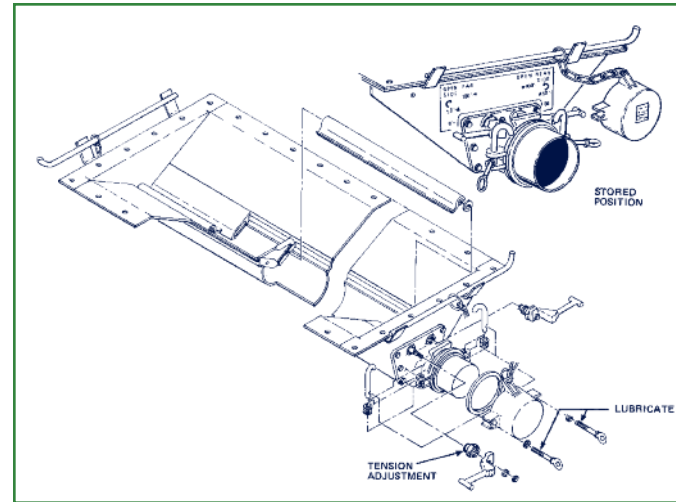
ADJUSTABLE PNEUMATIC OUTLET

Models 5135 and 5235



Washing Instructions Without Disassembling Outlet

1. Open the hatch covers.
2. Remove both outlet end caps.
3. Rotate the control valve handles to the full "open" position.
4. Wash the car interior. (Best results are obtained by washing with a roto-jet placed alternately in each hatch).
5. With control valves in the "open" position, flush the outlets by directing a water spray through the product discharge openings. (When the car has been in service with some commodities, it may be necessary to flush the outlet with a detergent spray to remove all of the fines or additive residue).
6. Thoroughly dry the car interior.
7. Ensure that the outlet is completely dry by blowing all remaining moisture away with clean, dry air.
8. After the car is dried, make a thorough inspection of the outlets to ensure that they are completely dry.
9. Close the hatches and the outlet end caps.



Maintenance and Disassembly

5135 & 5235 outlets are not designed to be disassembled for cleaning. It is recommended that an SMBC Rail Services representative be contacted before any disassembly is attempted.

Preventative maintenance should be limited to lubricating the threads on the cap locking eye bolts and on the control valve handle locks. Tension on the control valves can be adjusted by tightening or loosening the jam nut indicated on the above drawing.



SMBC RAIL SERVICES

5135 & 5235 Adjustable Pneumatic Outlets are designed to give you the utmost in operational efficiency. In addition to the operational benefits offered in previous pneumatic outlets, they offer: easy and efficient clean-out without disassembly, an improved locking device for the end caps and easier operation.

ADJUSTABLE PNEUMATIC OUTLET MODELS 5135 AND 5235 OPERATING INSTRUCTIONS

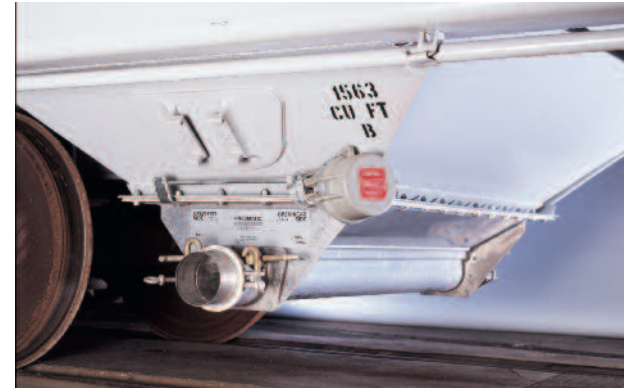
Preparatory Steps

1. Open at least one hatch cover on the hopper being unloaded to avoid risk of collapsing the roof section. If filtered air is required, a filter must be applied to the open hatches.
2. Remove the caps from both sides of the outlet and secure the caps on the hangers. To open the caps, loosen the eye bolts and rotate the "J" bolts out of the way. NOTE: The "J" bolts must clear the valve handles on both sides of the outlet. The valves cannot be rotated unless both caps are removed and the "J" bolts clear the valve handles. If filtered air is required, apply a filter to the nozzle opposite the one used for the vacuum connection.
3. Connect a pneumatic line to the outlet nozzle by sliding the product hose fitting over, or into, the discharge nozzle on the outlet.
4. Start the pneumatic system.

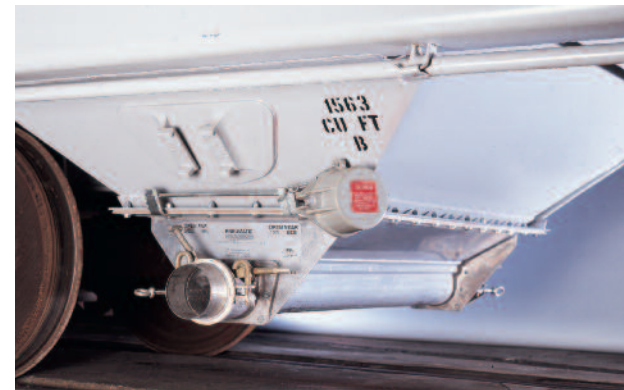
Unloading Operations

1. Initially the outlet control valves will be in the "closed" position (photo 1) with valve handles in the horizontal position.
2. To start unloading, rotate the far side (opposite from product hose connection) control valve handle clockwise (photo 2) until the desired flow is achieved. Most of the lading in the compartment will be unloaded with the valve in this position.

1



2



3



4



Clean-Out Operations

1. After the flow of material stops (indicated by a sharp decrease in vacuum) close the far side valve.
2. Rotate the near side (same side as product hose) control valve handle counterclockwise (photo 3) until the desired flow is achieved. Continue operations until flow ceases.
3. Open the far side control valve to the full "open" position, then open the near side control valve to the full "open" position to allow the remaining material to fall into the discharge tube (photo 4).
4. Return the control valve handles to "closed" position (photo 1).

Preparing The Car For Return Transit

1. Shut off the vacuum system.
2. Remove the hatch filters, check inside of car to ascertain that the unloading is complete. Close the hatch covers and secure in the "closed" position.
3. Disconnect the conveying hose from the discharge nozzle.
4. Remove the filter on the side of the car opposite the vacuum connection.
5. After making certain that the valves are in the "closed" position, apply the caps to both discharge nozzles and secure.

Special note: Interrupted Unloading

If unloading is to be discontinued before the compartment is empty, rotate both control valve handles to the "closed" position. Allow the vacuum system to run for a short period (2 minutes) to clear all pellets from the bottom of the control valve tube.

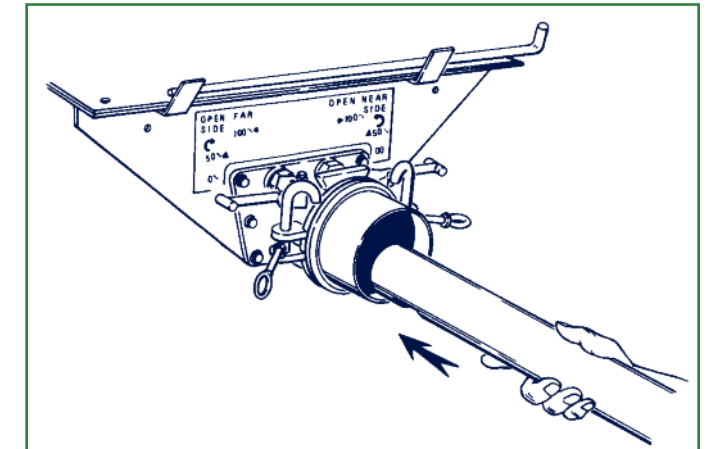
Final Clean-Out For Whitlock Probe Unloading

1. Remove the Whitlock probe and nozzle cap.

2. Attach probe #5 to Whitlock coupler, insert into the outlet nozzle and clean out remaining material with both control valves in full "open" position.
3. Turn off the unloading system. Look through the hatch to make certain the compartment is empty. Remove the filter from the far side. Place the control handles in the "closed" position. Replace the caps on both sides of the car and lock in place.

Product Sampling Procedure

Sampling can be achieved from the hatch or the outlet. The method employed for sampling from the hatch is obvious. To take a sample from the outlet:



1. Break the seal on the near side of the outlet only.
2. Remove the outlet cap - rotate the near side control valve handle toward the "open" position as far as possible (about 30°).
3. Take a sample of the material which has fallen into the product tube.
4. Return the control valve handle to the "closed" position, apply the outlet cap and reseal.