

## Outlet Operation

**Remove car seal;** turn the **eye nut** on the right-hand side of cap until eye nut and bolt can swing outboard, away from cap. Cap can then be swung open. To **open caps, it is not necessary** to turn the “gasket compression” knob on the left-hand (hinge) side of cap.

When **closing** and **securing** caps; reverse the above procedure. If a visual inspection of **cap** and **gasket** on **hinge side** reveals a **gap or excess compression** the “gasket compression” knob needs to be turned to correct the condition.

The “eye nut” and “gasket compression” knob do not need to be tightened more than can be done by hand. **Do not use additional leverage to tighten these devices.**

<b>TO SAMPLE</b>	<ol style="list-style-type: none"> <li>1. <b>Open</b> one (1) cap only.</li> <li>2. <b>Rotate</b> handle to “sample” position (near side)</li> <li>3. <b>Remove</b> sample and <b>rotate</b> handle back to “closed” position.</li> <li>4. Close and secure cap.</li> </ol>	
<b>TO UNLOAD</b>	<ol style="list-style-type: none"> <li>1. <b>Open</b> caps on <b>both</b> sides of car. (see note on filters under Car Unloading Procedures)</li> <li>2. <b>Attach</b> vacuum hose to nozzle.</li> <li>3. <b>Rotate</b> handle to “far side” open and <b>adjust</b> flow rate by positioning handle between “open” and “closed” positions.</li> <li>4. <b>Rotate</b> handle to “near side” open and <b>adjust</b> to complete unloading operation <b>when needed</b>.</li> <li>5. When unloading is completed, <b>rotate</b> handle to “closed” position, <b>remove</b> vacuum hose and close and secure caps on <b>both</b> sides of car.</li> </ol>	

**TO WASH AND CLEAN -  
PREPARE FOR LOADING**

1. **Open** caps on **both** sides of car.
2. **Rotate** either handle to “wash out” position (right or left). Valve is now **fully open**.
3. **Wash and dry** car.
4. **Rotate** handles to “closed” position and **close and secure** all caps.



# Car Operation

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## 1. Product sampling procedure

If a material product sample is required, the sample may be taken from a roof hatch or from an outlet. If the sample is to be taken from the outlet, use the following procedure.

- Remove car seal from one end of outlet.
- Turn valve to “sample” near side.
- Remove product sample.
- Rotate valve handle to “closed” position and lock cap.

## 2. Unloading procedure

- Follow the car builder’s or chemical company’s recommendation for car preparation. This should normally consist of opening at least one hatch in the compartment being unloaded and covering with a filter.
- Unlock the cap on the far side of the outlet and apply a filter.
- Unlock the cap on the near side of the outlet and apply the vacuum conveying line.
- Rotate the valve handle slowly, opening the far side of the valve until the conveying system is properly loaded.
- When short circuiting occurs on the far side position, rotate valve handle to near side position and adjust valve to the conveying system.
- For “final cleanout” of the hopper, all that is normally required are a few turns of the valve handle from near side to far side, etc.

*NOTE: Cleanout probes up to 3-1/2" diameter can be used with smaller pneumatic systems if required.*

## 3. Empty car preparation

When contents from all hoppers have been transferred, the car is to be prepared for its return trip. Filters are to be removed from all hatches and outlets. All hatches and outlets are to be closed and secured.

## 4. Car washing instructions

- Follow the car builder’s or chemical company’s recommendation for car washing.
- Unlock caps from both ends of all outlets and rotate valve to cleanout position.
- Wash car thoroughly and rotate valve, rinsing as required.
- Dry and inspect car as required.

*NOTE: It is not necessary to disassemble the Double Groove III outlet with proper washing and inspection procedures.*

## 5. Maintenance

Outlet inspections should be made on a regular basis. Damaged or broken parts should be replaced. YSD offers parts and replacement outlets to assist you in your maintenance program.



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