

Date	22 Dec 2014	Service Note #	4300-2032	Updated	NA
Product	DS/EVO 4300		Created By	J. Yangco	
Description	Pinch Valve Replacement, Collector and Pump				

Release	<input checked="" type="checkbox"/>	Internal	<input checked="" type="checkbox"/>	Distributors	<input type="checkbox"/>	Customers
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Parts Required	Serial Numbers Affected
Pinch Valve (5720-9201)	All

Pinch Valve Replacement

Reason:

The pinch valve on either the collector or the pump needs replacement.

Pre-requisite:

Service Engineer or person performing this service must have proper training in servicing the instrument.

Solution / Action

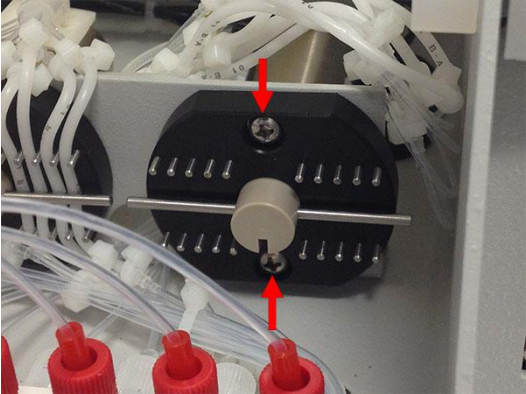


Before proceeding, discharge any static electricity from your body by touching a bare screw from the instrument. Turn off the instrument and disconnect the AC power cord.




Do not discard the in-line "Cool Chip" if it is installed with the existing pinch valve. Keep using the Cool Chip with the pinch valves.

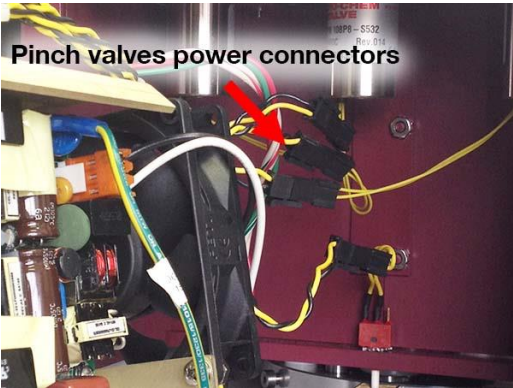
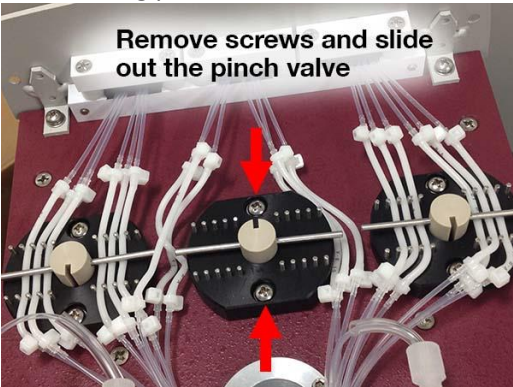
Pinch Valve, Collector

<p>Step 1</p>	<p>Position the instrument so that you have access to the rear of the instrument where the pinch valve are located.</p>
<p>Step 2</p>	<p>Lift the recycle tray and rest or place it just behind the instrument as shown. Be careful not to kink or bend the lines.</p> <div data-bbox="613 611 1135 1003" data-label="Image"> </div> <p style="text-align: center;">Step 2</p> <hr/> <div data-bbox="354 1073 440 1171" data-label="Image"> </div> <p style="text-align: center;">The recycle tray can also be placed on top of the test tube or vial trays.</p>
<p>Step 3</p>	<p>Disconnect the pinch valve power connector for the valve being replaced as shown.</p> <div data-bbox="613 1283 1135 1675" data-label="Image"> </div> <p style="text-align: center;">Step 3</p>

Step 4	Remove the pinch valve tubing by grabbing both ends and carefully sliding the tubing out.
Step 5	<p>Uninstall the pinch valve from the bracket by removing the two screws as shown. Slide the pinch valve out from the pinch valve bracket.</p>  <p style="text-align: center;">Step 5</p>
Step 6	Install the new pinch valve by reversing steps 3 to 5
Step 7	Return the recycle bin to its original position. Move the instrument back to its original position.
Step 8	Plug in the instrument and test the instrument for proper operation.

Pinch Valve, Pump

<p>Step 1</p>	<p>Open the top cover by removing the four screws as shown. Slide to cover out and set it aside.</p>  <p style="text-align: center;">Step 1</p> <hr/>  <p>Depending on the location of the pump you are working on, you may need to uninstall the collector tubing lines and cable to get access to the top of the pump.</p>
<p>Step 2</p>	<p>Open the rear panel of the pump by removing the six screws as shown.</p>  <p style="text-align: center;">Step 2</p>

<p>Step 3</p>	<p>With the rear panel removed, disconnect the power connector of the valve to be replaced as shown.</p>  <p style="text-align: center;">Step 3</p>
<p>Step 4</p>	<p>Remove the pinch valve tubing by grabbing both ends and carefully sliding the tubing out.</p>
<p>Step 5</p>	<p>Uninstall the pinch valve from the mounting plate by removing the two screws as shown. Slide the pinch valve out from the mounting plate.</p>  <p style="text-align: center;">Step 5</p>
<p>Step 6</p>	<p>Install the new pinch valve by reversing steps 3 to 5.</p>
<p>Step 7</p>	<p>Return the rear cover and partially secure it a couple of screws.</p>
<p>Step 8</p>	<p>Plug in the instrument and test the instrument for proper operation.</p>
<p>Step 9</p>	<p>If instrument is functioning properly, secure the covers with the remaining screws.</p>