



Service instruction: SM010E  
Revision: 1  
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**Title: Testing of a 5/2 bi-stable valve P/N H834**

**1. Purpose:**

This work instruction describes how to test a 5/2 bi-stable valve P/N H834 in the field.

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1	29-07-2010	Description of the change:	First release
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**Title: Testing of a 5/2 bi-stable valve P/N H834**

**2. References:**

- 2.1. ISO 9001 (2008) §7.5.1 Control of production and service provision

**3. Definitions:**

- 3.1. None

**4. Forms:**

- 4.1. None

**5. Scope:**

- 5.1. This work instruction can be applied to all 5/2 bi-stable valves P/N H834 in the field.

**6. Tools:**

- 6.1. None

**7. Execution:**

- 7.1. Check if all connections are connected correctly and check for loose connections.
- 7.2. Visually check for damage and contamination, make sure the connectors are tight.
- 7.3. Remove the connectors and air bleeds and check ports for contamination. (if so continue to number 7.13 on the list)
- 7.4. When the air bleeds are yellowish the valve is usually contaminated.
- 7.5. Before continuing make sure the manual control is turned in the correct position.
- 7.6. Test the valve by activating and deactivating the spool via the solenoid. (open and close the door)
- 7.7. If this is not possible from inside the bus you can use a battery to switch the valve. Do this a few times (Min 5 X).
- 7.8. When the valve is still leaking air remove the tubes and make sure the airflow comes from the correct tube.
- 7.9. When all the above is done and the problem has not been located replace the valve and take / send to Ventura.
- 7.10. Mark the location of the leak on the valve and the worksheet.
- 7.11. When contamination has been determined get in contact with Ventura / TDS / bus manufacture or Transporter immediately and ask them to arrange an order nr. Before you proceed with exchanging the parts.
- 7.12. Make an adequate description of the problem on the report and put that with the valve.
- 7.13. Also state the registration nr. of the mechanism on the report.
- 7.14. If there is a filter regulator present please check it for contamination, and clean if necessary.