



TOTALFLOW[®]

Technical Bulletin 77

**AMU Differential Pressure
Silicone Fill Notification**

Totalflow Technical Bulletin

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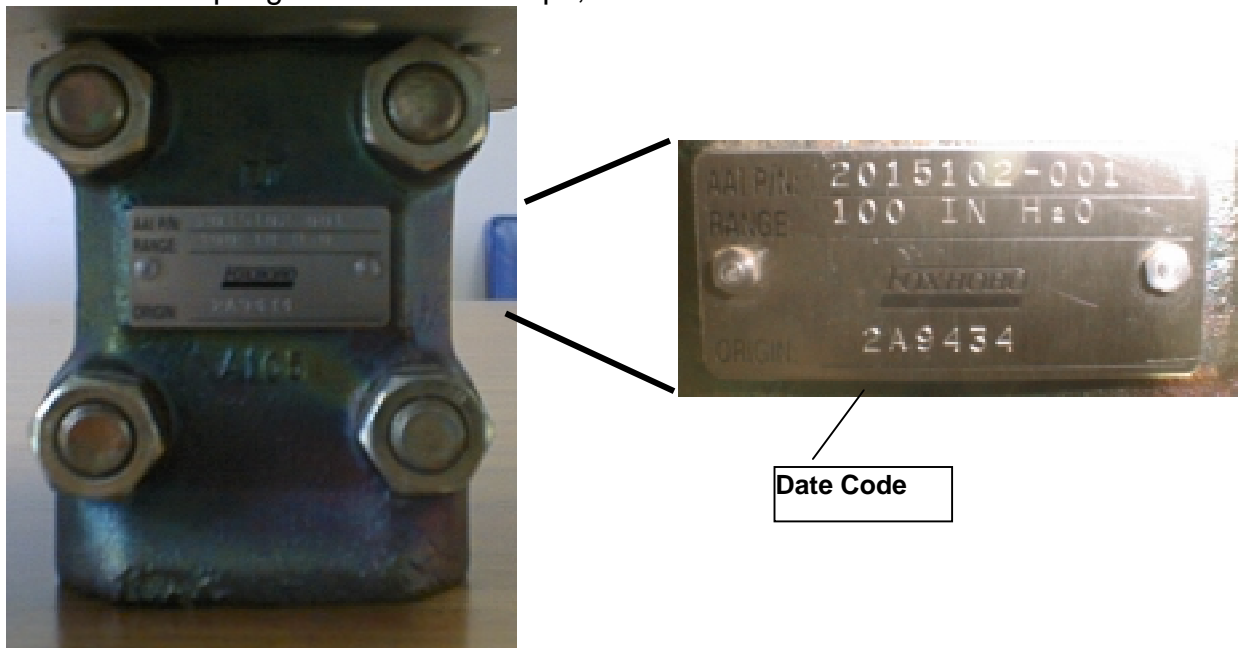


1. Purpose

To describe the symptoms and extended warranty offering on specific serial number range Foxboro DP cells.

2. Description

Foxboro has identified a silicone fluid fill problem with specific serial numbered DP cells. A faulty weld on the DP cell can cause the internal silicone fluid to seep out of the unit. The major symptom would be a DP cell shifting a large percentage positive or negative until the unit fails. The failure will cause the DP value to stick at full range positive, full range negative, or zero. Once the DP sticks, the unit will not calibrate and must be replaced. It is possible for the above symptoms to be caused by improper calibration, toggling the DP high or low with high pressure, or having a leak in the manifold during calibration. To verify the problem is caused by a faulty weld, 1st – attempt another calibration, 2nd – cold start the FCU, then check the DP (without calibrating) to verify it is stuck before replacing the AMU. If the DP value is still stuck after attempting the above two steps, the DP cell is defective.



The date code identifier is located on the flange end of the Foxboro DP cell. See picture above. The date code will be a number like “2A9434” where the third and fourth digit represents the year and fifth and sixth digit represents the week. The weld problem could have occurred with the following date ranges:

9622 (22nd week of 1996) through 9837 (37th week of 1998)

Because of the process used, only a small percentage of this lot range will have a problem. In the majority of the lot range, the problem will not exist and will not be covered under warranty.



Conclusion

Foxboro has extended the warranty of the above date code numbers to three years from date of shipment. If you have a unit with the above symptom and date code range, call our customer service group for a return authorization (RA) number. Totalflow will honor Foxboro's extended warranty to our customers for the above date code range. The evaluation process and identification of units with the faulty weld problem has been a lengthy process. Totalflow only recently received a complete date range list from Foxboro. We are confident that the weld problem has been corrected with units produced after the 37th week of 1998.

Customer will be billed at our exchange rate for any unit returned for warranty that has failed for another reason and is outside our normal warranty period of one year. If you have any questions about this problem or our policy, please call customer service at (800) 442-3097.