

Equipment Technical Bulletin

ILS Max Flow Meter 50% Reading



PROBLEM

Some defective flow meters only read 1/2 of the pulses.

- This results in the transport flow rate being half that of normal:
 - With a 3 GPM transport pump, for example, instead of a nominal water flow rate of 2.6 gal/min (10 liters/min), a value of about 1.3 gal/min (5 liters/min) would be displayed.
- This can make all dose sizes double the size intended.
- May trigger replace-tube alarm early (assuming flow meter originally read all pulses, and later only read half of them).
- May trigger transport-pump error (given flow reading of half may result in the reading dropping below minimum once chemical pump turns on).

SCOPE

Approximately 3% of recent flow meter lots are affected.

SOLUTION

All stock in our warehouses has been replaced with good flow meters from Micro Trak.

Short Term Corrective Action

- Enter pump setup screen and manually turn on transport pump for one minute, collecting output in bucket
- Check output vs. calibration on screen.
- If amount is correct, the flow meter is not the problem. You should the troubleshoot manifold and pumps for air leaks, etc.
- If amount is not correct, change screen setting, likely to half of the previous setting, to compensate for the error in the flow meter reading.

Long Term Corrective Action

- Replace flow meter at earliest available opportunity; if the flowmeter is under two years old, send it back to obtain a free warranty replacement
- Note the flow meter item number 043969 hasn't changed.



ILS Max Flow meter



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