



G2 Series Application Sheet

Company Type: **Battery Manufacturer**

Market: **Manufacturing**

Application Category: **Process Control**

Model Number: **G2P05N19GMA**

ADVANTAGES OF USING FLOMEC® METERS

- MAINTENANCE IS EASY
- COST SAVINGS
- COMPACT DESIGN
- SELF-CONTAINED
- NOT DEPENDENT ON MOUNTING ORIENTATION
- CHEMICAL COMPATIBILITY

APPLICATION:

The plant produces pure manganese for battery production. The sulfuric acid must be metered when added to the tank. Sulfuric acid etches the glass tube in rotameters, making them difficult to read. Constant cleaning of the glass tubes was costly and took the operators away from other critical operations.

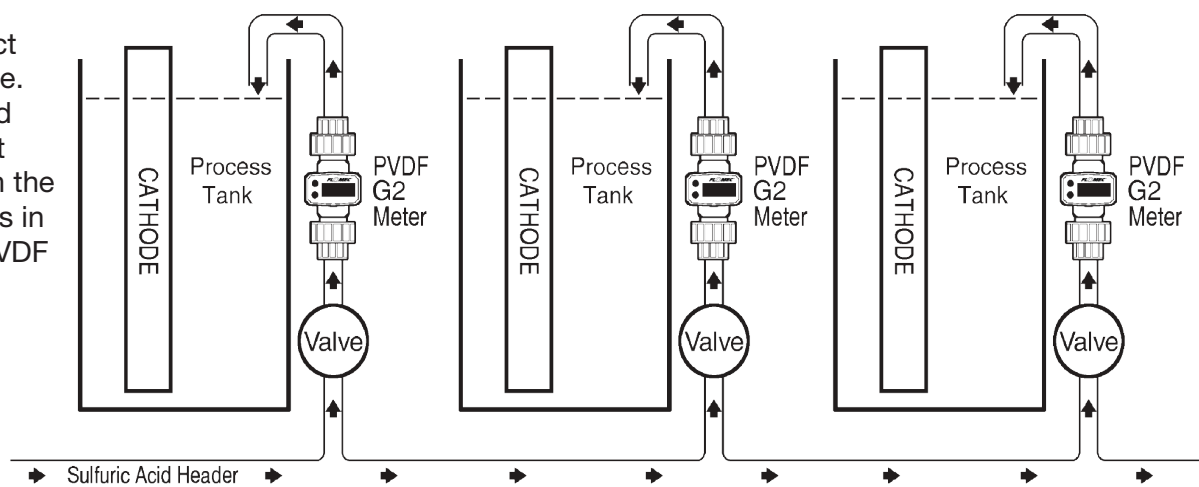
PROBLEM:

The time required to maintain the old system using rotameters had become a burden. Crews were required to check and clean glass tubes. In some cases, the tubes could be cleaned, but in others, the etching was too severe. Replacement tubes were costly and the time needed for maintenance became a problem. Accuracy was important and consistency in each batch varied too much.

SOLUTION:

The FLOMEC G2 PVDF meter offered excellent chemical compatibility. The crew reduced their maintenance routine to one check every two to three months. Field replaceable parts in the meter made maintenance simple. The 90 degree display made reading each batch easy. The cost of glass tubes and the Hastelloy® floats from the old method resulted in a sizeable cost savings in addition to the labor savings.

Cathodes attract pure manganese. The sulfuric acid is corrosive, but compatible with the wetted materials in the FLOMEC PVDF meter.



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