



A1 Series Application Sheet

Company Type: **Concrete Contractor/ Equipment**

Market: **Stone/Clay/Cement**

Application Category: **Monitoring**

Model Number: **A109GMN100NA1**

ADVANTAGES OF USING FLOMEC® METERS

- BATTERY OPERATED
- COMPACT DESIGN
- NEMA 4 ENCLOSURE
- ACCURATE
- NOT DEPENDENT ON MOUNTING ORIENTATION

APPLICATION:

Monitor the water added to the cement batch in the mixing truck after it has left the batch plant. Several state Departments of Transportation require that if a truck will be used in DOT contract work, it will be equipped with a meter and any water added to the mix will be logged. The strength of concrete is dependent, to a large degree, on the amount of water used in the mix. All DOT and most other contracts specify the "Slump" or stiffness of the mix along with a

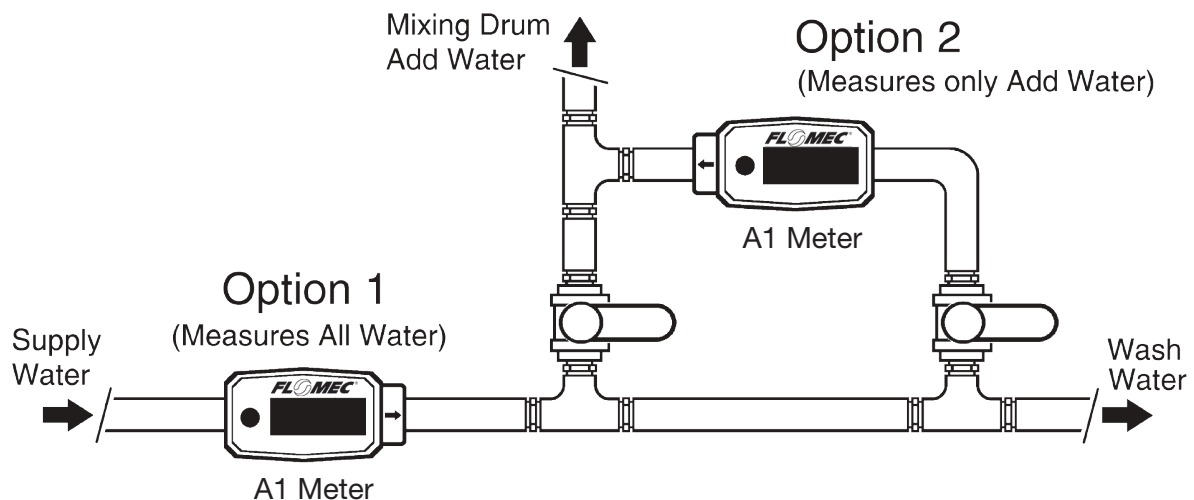
list of other attributes. Redi-Mix plants maintain very specific recipes for the different grades of concrete. When excess water is added in the field, the quality of concrete is compromised. It is very important that the Redi-Mix company and the customer can verify that any specific batch falls within the tolerances of the original recipe. Place the meter in-line on the truck between the water storage tank and the mixing drum. Valves are arranged so that any water added to the mixing drum will be metered.

PROBLEM:

Drivers need to add water on site to bring the mix to suitable slump rating. The amount of add water is very subjective and is not monitored. This results in variances in batches and quality of product.

SOLUTION:

Add a FLOMEC A1 Series flowmeter in line to monitor any water added to the mix.



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