



G2 & GX500 Series Application Sheet

Company Type: **Food Processor**
Market: **Food**
Application Category: **Blending/Ratio Control**
Model Number: **G2S10N62GMC**

ADVANTAGES OF USING FLOMEC® METERS

- ACCURATE AND RELIABLE
- COST SAVINGS
- UPGRADE IN TECHNOLOGY
- SELF-CONTAINED

APPLICATION:

The customer required accurate blending of a preservative and an anti-foaming agent into a continuous stream of soybean oil. Lab reports determined that some batches did not meet specifications but that report came “after the fact.” The customer wanted to produce consistent batches even if the flow varied. Solving this problem would save time and money, especially in rerun costs.

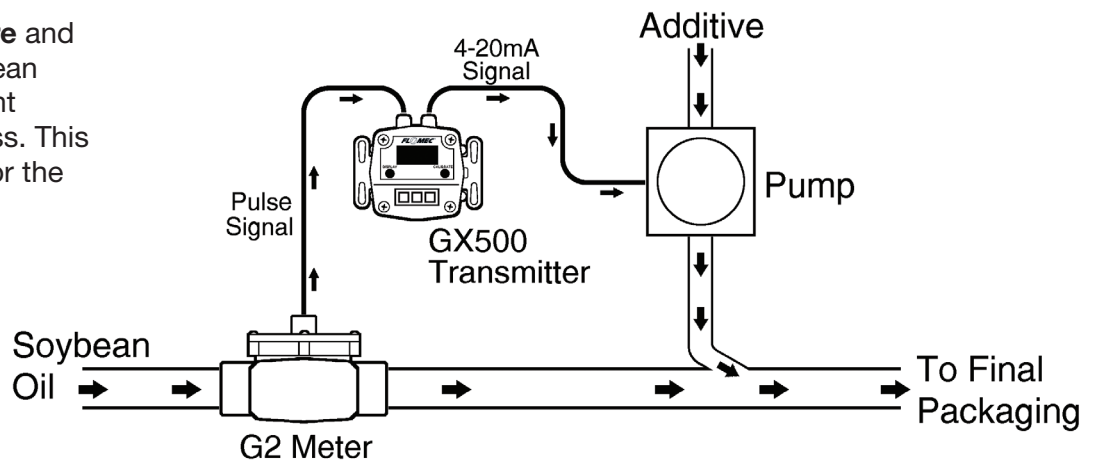
PROBLEM:

The customer needed a consistent and accurate way to blend soybean oil with additives. The flow of oil in the one-inch pipe was not always consistent. An operator turned on the pump manually, but during batching, no intervention or checks were made. Results of the batch were not determined until final lab reports were produced.

SOLUTION:

The FLOMEC G2 stainless steel meter installed in-line provided the pulse signal to the GX500. From this unit, the 4-20mA signal matched the desired batch amount of additive in each batch. Blending was accurate batch after batch, reducing the need for costly reruns. No operator intervention was required, freeing up personnel for other functions. This solution was economical and reliable.

NOTE: The **temperature** and **viscosity** of the soybean oil remained consistent throughout the process. This produced a great fit for the turbine meter.



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