



Focus on Filamatic

Newsletter, Issue 1

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Hitting the Bull's Eye Every Time

Weight Compensation-Saves Time, Saves Money

Across multiple market segments in the filling machine industry, a few challenges seem to emerge on a regular basis. In large operations, simplifying and reducing product changeover time and ensuring fill volume accuracy are persistent issues. In smaller specialized environments, such as the biotech, chemical and pharmaceuticals industries, developing an accurate data record of fill volume amounts is often a legal imperative.

In a few quick paragraphs we'd like to show you how Weight Compensation works to address these issues and why we think it will help your business. Click [here](#) to read more...



Pack Expo 2008

Mark your calendar!

Pack Expo 2008 will be at McCormick Place in Chicago, IL November 9-13th. **Filamatic will be in booth S-1147** unveiling exciting **NEW** additions to our semi-automatic and automatic product lines. Stay tuned for details...

To schedule a booth appointment to discuss your liquid filling needs with our innovative engineering team please email us at sales@filamatic.com.

To register early for Pack Expo 2008 click [here](#).

We look forward to seeing you!

Happy Fiftieth Jules

Not many people in this day and age can make the claim -- fifty years with the same employer. Not only that, but assembler Jules MacGregor began his fifty year career at Filamatic at fourteen years old.

Jules worked on weekends with his father in the basement of the family home of Filamatic's founder, Mr. Sidney Rosen. The father and son team worked on AB machines, a small, early version of the filling machines that the company now ships all over the world. An updated model of that same machine is still in production at Filamatic today.



"Mr. Rosen, he was a sharp guy, he knew what he was doing, but I don't know if he ever saw us getting this big," says Jules. Jules says that the customers back then were similar to who they are now, chemical and pharmaceutical companies.

"In 1958 I left for a stint in the Navy and came right back in 1962 and I've been here ever since." Jules says one of the best things about being at Filamatic is "You know, they have always treated me well here. As long as you do your job, you're your own boss."

When he isn't at work Jules likes to fish and he and his wife like to make a run to Atlantic City every now and then. When he's not fishing or in Atlantic City or working, the season ticket holder might be found cheering on the Raven's at Raven's Stadium.

What is Weight Compensation?

Filamatic's Electrical Engineer, Jack Chopper, says that, "Weight Compensation is a particular function that allows a filling machine operator to easily and accurately adjust the actual fill weight so that it is equal to the targeted weight. This function is an integral part of the machine's control system." Another way of saying it is that Weight Compensation is Filamatic's ever-evolving, innovative approach to accuracy, repeatability, paper trails and greater productivity in filling machine operations.

Make it Easy

For us, a key ingredient to weight compensation is ease of use. The filling machine operator is obviously an important part of your operations. And experience has taught us that the easier it is for your operator, the more likely it is that Weight Compensation becomes standard operating procedure. So how easy is it? You simply weigh the product and fill in the answer. And the best part is that the information is stored in every station, so every time that particular product is run, you simply recall the appropriate information. How easy is that?

How Does it Work?

Although the final algorithm is quite complex, the heart of Weight Compensation is a simple formula; $Weight = Volume \times Specific\ Gravity$. Fill volume multiplied by the specific gravity equals the Expected Weight of the target dispense. Filamatic positive displacement fillers are volumetric by definition. The simplicity of the metric system, where 1 gram of water = 1 cubic

centimeter of water = 1 milliliter of water shows that 20ml of water will weigh 20 grams. With known dispense weight, we can then calculate dispense volume. The movement of the pump mechanism can then be manipulated digitally to compensate for actual dispense against the target weight.

Who Benefits?

Any filling machine operation that wants to take every opportunity to drive operational and financial improvements can benefit. Productivity gains come as soon as you start the operation, because Weight Compensation allows you to fine-tune each station more quickly. Weight Compensation addresses accuracy, repeatability, ease-of-use issues and provides detailed data sheets for regulators. Any operation that is losing time to inefficient product changeover times, or is relying on trial and error to hit the target fill, will benefit from using Weight Compensation.

Filamatic Solutions

The Weight Compensation feature described above is available on all of Filamatic's [Monobloc](#), [Mini-Monobloc](#) (pictured on the right) and [DFS Dockable](#) and [DFS Non-Dockable](#) in-line liquid filling machines.

[Contact us](#) today to find the solution that is right for you!



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