FPI Mag® Flow Meter

Next Generation Mag Meter:
Applying the Danaher Business System
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Overview of the Danaher Business System

One key factor in the success of McCrometer’s FPI Mag™ is the integration of the Danaher Business System (DBS). In 1996, McCrometer joined the Danaher Team and has since followed the continuous improvement philosophy of Kaizen, a Japanese term for “improvement” or “change for the better.” As the foundation of the FPI Mag’s success, McCrometer focuses on core value drivers. It is important to understand not just what those core values say, but how McCrometer lives them. DBS is a systematic approach used to manage McCrometer’s business. It starts with ensuring customers are truly at the center of all we do and remain an emphasis through the integration of daily operations. Danaher, like the FPI Mag, is about measuring processes. There is a strong corporate wide belief that if the process is not measured, the opportunities for improvement are likely not being recognized.

Danaher Core Values

- **Customers Talk, We Listen:** Voice of the Customer (VOC) drives us forward in improvement activities
- **Kaizen is a way of life:** We measure performance daily to ensure we are continually improving from one day to the next
- **Innovation Defines Our Future:** We feel it is vital to be innovative with both products going to market and in processes and procedures that shape those products
- **We compete for shareholders:** The more value we can add into our business, the more shareholders we will obtain. This is a centerpiece of any successful business
- **The Best Team Wins:** We think that combining the best team of people, plans, processes, and performance is the way to win customer’s respect and appreciation

The 4 P’s

Fueled by Danaher’s core values, the DBS engine drives McCrometer through a never-ending cycle of change and improvement: exceptional **PEOPLE** develop outstanding **PLANS** and execute those plans using world-class tools to construct sustainable **PROCESSES**, resulting in superior **PERFORMANCE**. Superior performance and high expectations attract exceptional people, who continue the cycle. It’s the 4 P’s that have driven the improvement in the FPI Mag’s exceptional performance in accuracy, versatility and ease of installation.
Quality, Delivery, Cost, and Innovation (QDCI)

Quality, Delivery, Cost, and Innovation (QDCI) is a battle cry for us – these are the four areas where we ensure we drive performance. McCrometer is customer-centric, meaning it is crucial we listen to the Voice of the Customer (VOC) and make progress based on that feedback. Continual improvement on the FPI Mag is measured by both VOC and QDCI.

How DBS Became the Cornerstone of McCrometer

Now that you understand a little more about DBS, let us dive into its origins. DBS is rooted in the Toyota Production System (TPS), which was developed in the early 1950s by Taiiachi Ohno. He became known as the father of TPS because of his forward thinking and radical business concepts that today are accepted worldwide as Lean Manufacturing. Common Lean Manufacturing terms in business today include Just-In-Time (JIT), Jidoka, Poke Yoke, and One Piece Flow or Pull System Production. Each of these popular concepts was founded by Taiiachi Ohno himself.

Danaher adopted this highly successful system through the process displayed below:

As part of the Danaher Corporation, associates at McCrometer live by the same concepts, methodology, and structure that have been outlined in this article. Through rigorous metrics, we keep a constant eye on quality and building the correct team to win. Because McCrometer is perpetually focused on improvement, we take pride in our work. The FPI Mag has set the standard for DBS quality improvement in terms of exceptional performance, durability and superior materials.
How McCrometer Built Quality into the FPI Mag

DBS teaches McCrometer to build quality (Poke Yoke) into each of our process steps, from the office to the factory floor, and supports dedication to continual product improvement. This is true for all of McCrometer’s various product lines, and never more so than with the FPI Mag flow meter. DBS methodology was applied to the FPI Mag from the first day it was conceptualized in R & D. McCrometer has refined, redesigned, and given life to the newest technology on the market for electromagnetic flow measurement.

Even today, we have multiple projects in action that will enhance the way we process orders, build flow meters, and improve the total customer experience with the FPI Mag meter.

DBS is also McCrometer’s roadmap to the future as we use the concepts and structure of this business system on all McCrometer products. DBS allows us to take leaps forward in technology while still providing the market with a top-quality product. The FPI Mag flow meter is a prime example of this accomplishment. McCrometer believes in using the latest and greatest technology that offers more versatility and solutions to our customers, making their lives and jobs easier and more efficient.
Each of the examples above demonstrates the space and time saved with new advancements in technology. We understand the newer versions of each have much more capabilities than their older counterparts. The same is true when comparing a flanged full bore Mag Meter with the new technology in magnetic flow measurement. Not only does the FPI Mag flow meter, the Next Generation Mag Meter, do everything a full bore mag meter can do; it has even more capabilities such as fast and easy installation, zero-downtime maintenance, extremely low installation costs and a smaller, lightweight, and sleeker design.

The FPI Mag meter represents the next generation of development of magnetic flow meter technology and employs a unique and ground-breaking configuration whereby the coils and electrodes are assembled in a tube that inserts into a pipe perpendicular to the full profile of the flow stream. The advantages of this configuration are numerous in a wide variety of applications. In fit and form the FPI Mag is unique; in function the FPI Mag meter is just that – a mag meter.
If you're interested in reducing installation costs of your next mag meter, need to replace a full-pipe meter with or without stopping water flow, or you just want more information; click the button below and an FPI Mag Specialist will contact you within one business day.

CONTACT US TODAY

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