

FILAMATIC NEWS

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FILAMATIC® DIGIFIL™ Liquid Filling Systems Integrate Coriolis Flowmeters for Unparalleled Flexibility and Versatility



FOR IMMEDIATE RELEASE

Baltimore, Maryland, July 1, 2003 — National Instrument Company's *FILAMATIC® DIGIFIL™* Liquid Filling Systems (DFS) offer the widest range of product metering devices available within the packaging industry. When equipped with Coriolis flowmeters, the DFS operational flexibility allows it to dispense most fluids across an exceptionally broad range of product fill volumes and viscosities. The Dockable DFS system configuration allows for complete product contact part changeovers in as little as five minutes. This changeover is easily accomplished with the use of quick disconnect technology in the product contact components and the control system's cabling assembly.



**Fig. 1 Dockable
Digifil™ Flowmeter
Filling System (DFS)**



**Fig. 2 Dockable Digifil™
Flowmeter Filling System
(DFS) (Rear View)**

Since Coriolis flowmeters utilize the density of a product in its flow calculations, they are impervious to changes in process conditions and fluid composition. In applications where density is a direct indication of product quality, Coriolis flowmeters may be used to validate a material's quality through constant monitoring of its density.

These flowmeters are electronically controlled, extremely accurate, easily calibrated, readily maintained, and easily cleaned. Manufactured from all stainless steel construction, the flowmeters have no moving parts. They can be easily equipped with sanitary product connections. No mechanical wear parts or adjustments exist; disassembly and routine maintenance are eliminated. The flowmeter's simple fluid pathway allows for easy cleaning via the use of clean-in-place (C-I-P) systems.

FILAMATIC DIGIFIL Liquid Filling Systems (DFS) are equipped with controls systems that store the operating parameters associated with hundreds of your custom product/fill volume combinations. Operators can reconfigure a *FILAMATIC DIGIFIL* system by merely entering the identification number associated with a product/fill volume combination. The flowmeters, due to the existence of an on-board electronic control system, can be monitored and controlled individually. National Instrument Company leveraged its extensive in-house systems/software integration experience to develop proprietary filling system control programming that optimizes the fill volume accuracy of the coriolis flowmeters during the course of a production run. The *FILAMATIC DIGIFIL* control system also provides feedback on additional operating parameters, as well as maintenance and troubleshooting information for the ancillary systems such as conveyors, indexing systems, downstream equipment, etc.

For over 50 years, National Instrument Company has been recognized as one of the world's premier manufacturers of integrated liquid filling, capping, and monobloc packaging systems serving the pharmaceutical, diagnostic, personal care/cosmetic, food, and chemical specialty industries.

For Further Information:

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