

FILAMATIC NEWS

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Manufacturers of Liquid
Filling, Capping and
Packaging Systems



Latest **FILAMATIC**® Liquid Filling System Incorporates Check Weigh

The new **FILAMATIC**® Model RFS-800*, a multi-function, continuous-motion monobloc system, developed by National Instrument Company features automatic check weigh. The Model RFS-800 performs Initial Start-Up checkweigh sequence, Specific filling drive checkweigh sequence, Automatic checkweigh sequence, and Operator controlled checkweigh sequence via a pair of servo-controlled robotic arms and a load cell. All Filling Units are digitally monitored to ensure that fill accuracies meet predefined upper and lower control limits.

The Model RFS-800 features a state-of-the-art Quality Assurance System for Statistical Process Control. It is a smart system capable of self-correction, thus minimizing operator involvement and the likelihood of contamination. The four Net Weigh protocols ensure strict adherence to pre-established in-house Quality Assurance criteria. Automatic feedback feature enables individual servo-controlled filling drives to self-adjust to pre-established upper and lower control limits. This system can be used to calibrate individual Filling Units during set-up, as well as to perform in-process checkweigh during production.

A tare robot and gross robot perform weight checks by removing containers from the turrets, placing the containers on a load cell for sampling, then returned to the turrets. The Initial checkweigh process is performed to verify the fill volume. Specific Fill Head checkweigh process enables fill volume verification of a specific fill head during a production run without interruption. The All Fill Head checkweigh operates similar to the Initial checkweigh process, except it is performed during a production run. Automatic check weighing is performed at operator defined intervals as per operator established parameters. During all different checkweigh functions, containers removed from the turrets are rejected and not counted as part of a production run.

The Model RFS-800 monobloc system provides real-time data printouts of all check weigh sequences, as well as data trending capabilities for Batch Manufacturing Records.

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