



Fill2Weight

Aseptic Powder Filling



Fill2Weight Aseptic Filling—Overview

Fill2Weight has been designed to meet the increasing need for high-accuracy, precision powder filling in sterile environments.

Fill2Weight fills to a target weight rather than dispenses a fixed volume, dynamically measuring and recording the dispensed weight of all doses. This allows for compensation to changes in powder properties, such as density, in real time and without user intervention or re-calibration.

Fill2Weight directly fills reconstitutable injection devices, vials, cartridges, syringes, inhalers, or industry standard capsules and blisters with 100% weight verification.

Quality is enhanced with reduced dose weight variability, lower reject levels and 100% weight recording. Dispensed weight-related batch rejection is eliminated.

Fill2Weight offers flexibility and scalability from clinical supply through to commercial production. The multi-track, narrow form factor design allows for integration with existing equipment. The same processes and equipment used for laboratory development can now be leveraged in the full production environment. Using the same equipment limits scale-up risks.

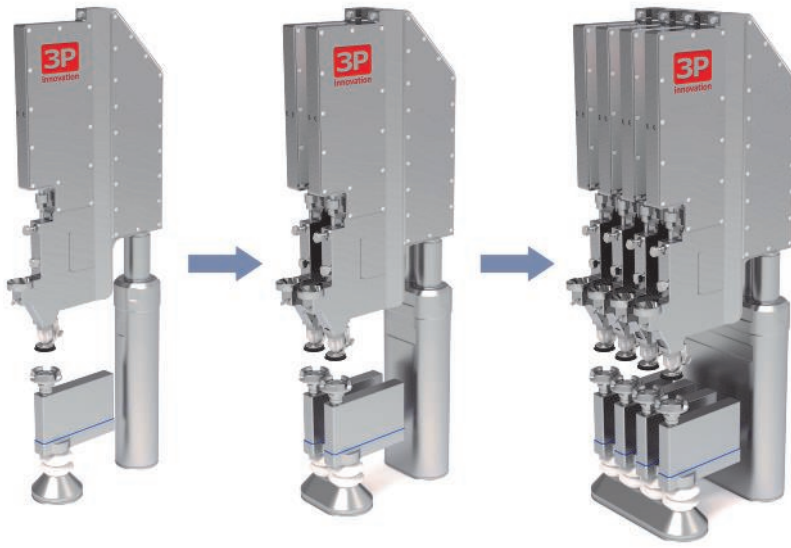
Product Features

- High-speed, high-accuracy gravimetric filling
- For use in Aseptic environments
- Suitable for spray dried and lyophilised powders
- Slim-line design for unidirectional down flow applications
- FDA approved materials
- Autoclavable dispensing head
- Tool-less disassembly for cleaning and sterilisation
- Suitable for VHP environments

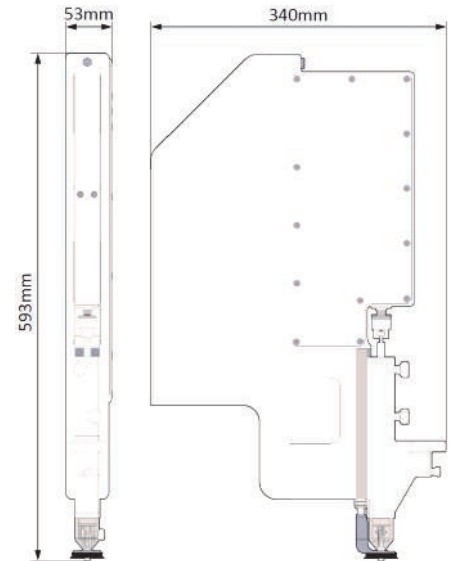
Specification

- Configurable dose: 2.5mg to 500mg
- Tare weight up to 40g
- Weighing resolution: 10µg
- Dosing accuracy <3% RSD (programmable)
- Dosing cycle time per feed: 2 secs
- Records 100% of sample data: 21CFR11 option
- Hopper capacity 7000mg + bulk feeding options

Fill2Weight: Aseptic Powder Filling



Scalable, flexible filling technology



Dimensions—filling module

STANDARD TECHNOLOGIES + CUSTOM ENGINEERING = OPTIMUM SOLUTIONS



3P innovation Ltd offers a powerful combination of proven, standard technologies and machine platforms with custom automation skills and methodologies that help customers develop and commercialise new products faster, at lower cost and lower risk.

3P designs and manufactures high-end, scalable production solutions, from lab-scale and bench-top equipment to pilot plant, clinical and full-scale production systems. Our specialisms include design and manufacture of cleanroom and aseptic processes, powder and liquid filling and parenteral device fill and finish.

3P also specialises in medical device assembly and test. We have extensive experience in web and sheet material processing, including wrapping, punching, cutting, heat-sealing and welding. In addition we design and integrate full containment and environmental control systems as an essential part of our service.

With world-class quality, our machine solutions cover a wide range of products and devices, including inhalation, parenterals, reconstitution syringes, pre-filled syringes, patch pumps and wearable drug delivery devices, sustained release depot drugs, capsules, cartridges and vials.

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