

Model VF3000 Volumetric Screw Feeder



The model “VF3000” is one of Web Tech AutoWeigh’s large capacity volumetric feeders, and is suitable for applications including powder and granular materials. Available in both single and twin screw configurations, accuracies in the order of $\pm 1\%$ to $\pm 3\%$ are achievable depending on the material bulk density consistency.

Web-Tech AutoWeigh’s model “VF3000” volumetric feeder is designed to handle a broad range of dry materials, and feeding applications. The “VF3000” is ideal for all applications that require consistent and accurate metering of powders, pellets and granules, suitable for industries such as Plastics, Food, Chemicals, Building Products, Water Treatment and many others.

The feeder is designed to be easily disassembled for cleaning purposes. The front cover, metering screw and metering tube, can be removed to allow access to the feeder hopper. For products that are only semi-free flowing, the “VF3000” can be provided with either a vibrator, or an internal agitator. The vibrator can be supplied an optional timer controller, which pulses the vibrator at a predetermined time interval whilst the feeder is running. The internal agitator option consists of an agitator blade and additional drive motor.

The “VF3000” can be bolted directly to the bottom of an existing hopper, or can be supplied free standing. A range of various capacity extension hoppers are available upon request. Variable speed control is available by means of an optional AC variable speed controller. The “VF3000” is available in powder coated mild steel construction, or optionally fabricated from stainless steel. The “VF3000” is available with capacities up to 30m^3 per hour.

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