

Calculating the volumetric weight of your additive

To accommodate the different types of carriers used in the manufacture of powder or granular additives the Dflow Powdermaster has a volumetric calibration feature that enables you to calibrate the applicator to suit your preferred additives.

What is Volumetric Weight?

In this case the volumetric weight is the weight of 1 litre in volume of the granular/powder additive.

How to find the Volumetric Weight of your product - You will also need a set of scales!

Find a container that will hold a litre of water.

Put it on your scales and note its weight and zero the scale. *Container weight*

Fill it with 1 kg of water and mark the level. This will give you a measure for 1 litre in volume.

Thoroughly dry the container before using it to measure the additive.

Fill container with your additive to the level mark .

Zero your scale and place the container on it.

Take the reading, and deduct the weight of you container.

This leaves you with the volumetric weight for 1 litre of your additive. Make a note of it for future reference.

Volumetric weight

Example using the container provided



Container



Fill to the mark



Make sure the additive is level



Zero your scales



Place filled container on scales



Take the reading and subtract the weight of the container

The volumetric weight is entered into the control box in kilograms so if your balance read out, like the one in the example here, is in grammes you need to remember to convert it to kilograms. Don't forget to subtract the weight of the container from the reading.

In this example the reading is 670g. Subtracting the weight of the container, 40g, from the figure would result in a figure of 630g. Converting this figure into kilograms would give you 0.63kg which would be the figure to be entered into the control box.

NOTE! This is just an example and your reading will likely be different.

The reading you have taken is the volumetric weight of you product. This will be entered into the control box during set up routine refer to the user manual section "Setting the control box operating mode" where you will follow the instruction to select "Man--VW" and enter your reading.

Note: If you use different product you will need to find the volumetric weight for each and enter that when you change product.