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Sample Preparation Dilumat START and Dilumat expert EVO



Dilumats save time and money by automating the laborious process of making and standardising the initial sample dilution. There is no longer a need for you to spend time and effort weighing out exact amounts of sample - the Dilumat can receive any sample volume and dilute as required.

It couldn't be any simpler. No need to calibrate or prime the pumps as the Dilumat takes care of all this. On-screen prompts and help functions guide you every step of the way.

The new Dilumats have a smaller, more compact footprint and the ability to prepare samples up to 7kg with a high degree of accuracy to comply with the standards you have to meet.

The Dilumat START and expert EVO have a colour touchscreen control module. The system can store multiple programs and can trace users and diluent batch numbers. The control module can be placed in the most convenient place for the user. Where bench space is limited, both these models can be specified with the optional "heads-up" display extended control arm on which to mount the control module. The automatic dispensing arm rotates to the stomacher bag or vessel then rotates away from the sample preparation area, freeing you up to be preparing the next sample and reducing the risk of cross contamination.

Dilumat expert EVO has the added benefit of auto-start, hands-free operation for dilution - a real time-saving feature. Simply place the sample in the bag and the Dilumat will start when the desired minimum sample weight has been achieved.

A gravimetric diluter that ensures a true 1:10 dilution

Can dilute large samples with a high degree of accuracy

Weighing capacity of up to 7kg

Rotating dispensing arm facilitates addition of sample

Large bore, long-life tubing for rapid dispensing and dilutions

Dilumat expert EVO provides auto-start, hands-free operation for dilution

Can connect to LIMS or operate as a stand-alone unit



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About Don Whitley Scientific

The new Dilumat range marks the 6th generation of diluters sold by DWS. We have built up a wealth of experience, practical knowledge and technical awareness that can only be achieved through selling such products for over 20 years.

Our planned service and maintenance contract cover is one of the most comprehensive in the industry. Our team of engineers have been fully trained by the manufacturer, to support these products.



Options

Accessories

Specification

Dilumat START - This model comes complete with one built-in pump but a second one (E-PUMP) can be added retrospectively. It has a 3.5" separate colour touchscreen interface making it easy to use and easy to keep clean.

With a weighing range of 3g to 2kg, it can achieve 25g 1:10 dilution in just 16 seconds and has a two point calibration system.

Dilumat expert EVO - This model comes complete with two built-in pumps but up to four additional ones can be added retrospectively. It has a 5" separate colour touchscreen interface.

Dilumat expert EVO has a weighing range of 3g to 7kg and can dispense with two pumps simultaneously for even faster dilutions. It has a bidirectional LIMS connection so the Dilumat can be an integrated part of your laboratory.

Dilution speed:

25g dilution in \approx10 sec (i-Flow tubing)

125g dilution in 20 sec (Dual i-Flow tubing)

375g dilution in \approx1min (Dual i-Flow tubing)

The expert EVO has the additional option of an extra large 4 litre bag holder with all the fittings to extend the rotating arm, including a longer dispensing nozzle and relevant tubing set. This is particularly useful if you regularly prepare larger volume samples or if you work with the Smasher XL blender.

As laboratories strive to increase their efficiency, improve accuracy and reproducibility, automation such as the Dilumat provides the solution.

M10464	Thermal Ticket Printer
So2338	Head-ups Control Unit Stand
So2339	Footswitch
So2341	Dilumat XL Pack
So2336	E-PUMP
So2337	E-PUMP Extension Cord
So2340	Additional Nozzle Holder
So2350	6.4mm Tubing Set
So2351	XL Tubing Set 6.4mm with 11 cm Nozzle (expert EVO only)
So2330	Dilumat START Single Pump
So2331	Dilumat START Double Pump
So2323	Dilumat expert EVO (Complete with 2 Built-in Pumps)

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