

HIFiller

The smart bottles filler



□ The HIFiller – General features

The HIFiller is a positive displacement bulk reagent dispenser for reliable non-contact liquid handling.

It provides automated processing of bottles in different size format for chemical or medical laboratories.

It is designed as a standalone dispensing system to managed automated dispensing of a complete filling Bottle or vials from 1 up to 1000 mL

With the HIFiller you could select a combination of syringe dispensing system with a large range of syringe volumes range or a peristaltic pump system if you need to maintain sterility.

A wide variety of bottles types is possible, thanks to the flexibility of the software.

The 1 mL to 1000 mL to fill 10, 20, 50, 100 ml Tubes 50, 200, 500, 1000 mL Bottles.

Same reagents will be used to fill the whole bottles with a single channel distribution system.

The single channel distribution system is easy to install and to replace after each batch distribution.

It could be re-used or changed after every batch.



❑ The HIFiller – Custom containers configuration

Thanks to the highly flexible software solution, it is possible to select in the range of X/Y heads displacement any types of containers and to design a destination frame which will accommodate any of your containers.

❑ The HIFiller – Dispensing configuration

We offer 2 choices of dispensing technologies

❖ Peristaltic pump

They are positive displacement pump used for pumping difficult liquids. They are ideal for production applications where high volume / high speed dispensing is required.

It is also possible to dispense cells or biological materials and changing the tubing if necessary is really fast.

A large variety of tubes material are available.

Different choices of inner diameter brings better reproducibility depending of required volume range.

Single peristaltic pump



❖ Syringe pump

They are highly flexible fluid dispensing pump with great accuracy and precision. Their compact design able using up to 2 different pumping system on the same HIDispenser.

Different choices of syringes from 0,5 mL syringe up to 50 mL syringe. This large variety of syringe size to fit the perfect precision with the highest speed.

Single syringe pump



Syringes type :

0,5 mL
1 mL
2 mL
5 mL
10 mL
50 mL

■ The HIFiller – Software

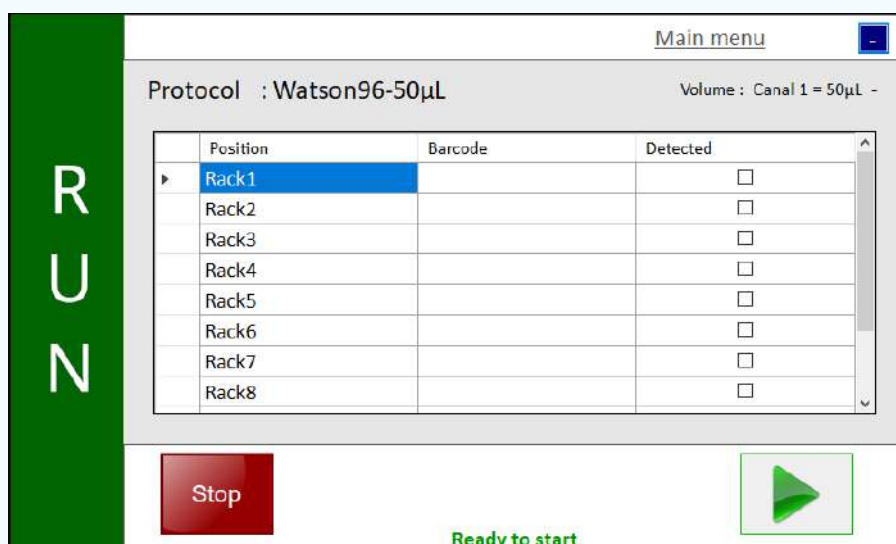
The Graphical User Interface (GUI) with touch screen makes the system easy to configure and operate even with laboratory gloves.

The protocol manager help you easily built your protocols defining the type of containers, the dispensing profiles and create filters to easy sort them !



Select the protocol to be run.

You will see your boxes positions and simply press start arrow to start dispensing.



■ The HIFiller – Specifications

HIFiller M series	Base frame	Base frame + Dilutor dispensing System	Base frame + Peristaltic Pump Dispensing System
Width (cm)	43,7	61,7	61,7
Depth (cm)	44,8	44,8	46,5
Height (cm)	58,7	58,7	58,7
Weight (kgs)	19,1	25,2	29,6
Dispensing specifications			
Minimum recommended dispensing volume		50 µL (depending) syringe volume	200 µL (depending pump and tubing)
Performance Example		200µL <3% CV% with water (5ml Syringe)	500µL <5% CV% with water (Tubing 1,02 mm)
Regulatory compliance			
CE Certificate	CE Certified		
Control			
Software	HIDispenser Control, Protocol Manager		
Controller	Panel PC with Windows 10 Embedded		
Interface	10 Base T Ethernet port		
External control	API for external control via RJ45 Ethernet Port		
Deck Capacity			
Waste position	1 waste		
Dispensing position	Highly configurable see example containers configuration		
Containers compatibility			
>100	From vials to bottles		