

INTEGRA



VIAFILL Easy To Use Touch Screen Rapid Reagent Dispenser

VIAFILL

The VIAFILL features a touch screen graphical user interface for simplistic programming of repeat dispenses, variable volume dispenses and custom programming. Users can easily alternate between 8 and 16 channel dispensing cassettes for rapid filling of 6 to 1536 well plates. The addition of the stacker allows the utilization of 25 and 50 plate chimneys for filling bulk quantities of both non-lidded and lidded plates.

Bulk Reagent Dispensing

A choice of dispensing cassettes with different bore sizes allow for accurate and rapid reagent addition between 0.5µL and 10mL into 6, 12, 24, 48, 96, 384 and 1536 well plates. A 16 channel dispensing cassette is available to make the filling of 384 or 1536 well plates even more efficient. All dispensing cassettes are pre-sterilized and can be autoclaved for multiple usages.

Applications may include

- Screening Assays
- Compound Storage/Addition
- Cell Based Assays
- ELISAs
- Kinetic Assays
- Genomic and Proteomic Studies



Easy To Use Touch Screen Interface

The VIAFILL is the first reagent dispenser which includes a color touch screen user interface and was designed to enable intuitive navigation of the instrument thus reducing the learning curve.

The user interface allows users to quickly edit predefined programs and to create, store, name and recall up to 99 individual liquid handling programs. Additional functionality includes connecting to the plate stacker, recovering reagent from the dispensing cassettes and shaking well plates on the plate deck.



Technical Specifications VIAFILL Base Unit

Dimensions (LxDxH)	14.75" x 12.00" x 10.00" (37.46 x 30.48 x 25.40cm)
Weight	23.5 lbs (10.66 kg)
Power Voltage	100-240 VAC, 50/60 Hz
Dispense Timing	18 Seconds (100µL to 96 microwell plate)
Operating Conditions	5° ~35° C, < 80% Humidity

Compatible Formats	6, 12, 24, 48, 96, 384 and 1536 (Shallow and Deep)
Volume Range	0.5µL to 9,999µL
Sterilization	Autoclavable Tubing Sets
User Interface	Touch Screen
Integration	API Commands Available

Additional Plate Stacker

The addition of a plate stacker increases throughput and allows for unattended operation. Well plates are conveniently stored in the plate stacker using removable chimneys designed for either 25 or 50 plates.

The stacker is designed for standard or deep well plates of varying heights and is also compatible with many lidded plates.



Accuracy and Precision

	Volume	Accuracy	Precision (CV)	Plates Before Changing Dispensing Cassette
8 Channel Small Bore	100µL	± 1.5%	≤ 1.0%	1000 Plates
	2.0µL	± 3.0%	≤ 4.0%	
8 Channel Standard Bore	200µL	± 1.5%	≤ 1.0 %	2000 Plates
	5.0µL	± 2.0%	≤ 3.0%	
16 Channel Small Bore	100µL	± 1.5%	≤ 1.0%	1000 Plates
	2.0µL	± 3.0%	≤ 4.0%	

Ordering Information

Instrument		Part No.
VIAFILL	Base unit includes 8 channel, plastic dispensing cassette, pre-sterilized, 5 - 9,999µL	5600

Dispensing Cassettes		Part No.
8 Channel	Small bore (.012"), 0.5 - 999µL, pre-sterilized, 5 pack	5722
	Standard bore (.018"), 5.0 - 9,999µL, pre-sterilized, 5 pack	5724
16 Channel	Small bore (.012"), 0.5 - 999µL, pre-sterilized, 5 pack	5742

Plate Stacker		Part No.
Plate Stacker	Base Unit	5910
Stacker Chimney	25 plate capacity (1 each)	5915
	50 plate capacity (1 each)	5916



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