



Advance Dissolution  
Media Degasser



The **Smart Fill 5000** is Compact, Transportable and offers quick and easy preparation of up to 10 litres dissolution media in less than 15 minutes.

In a single pass the media for dissolution tests can be precisely heated, degassed and filled gravimetrically into vessels. Foaming media like SDS (Sodium Dodecyl Sulphate) can also be used.

**Integrated Dosing port.**

Optional Remote Filling Hand to fill the media Directly into the Dissolution Tester Vessel using Dedicated Switch FLUSH, START, STOP, WASH.



**Smart Design**

Microprocessor Controlled Touch Screen Display with Easy to use Interface allows User to Program Important Function like Heating, Vacuum Degassing.

**Smart Sensor**

Will detect the jars and Only Dispense Media only if Jar is placed in Position of Dispense.



**In Line Heating**

It Helps Avoid Time Delays associated with Conventional heating Method. The System is ready to prepare Media immediately upon on power up.

**Piston Controlled Vacuum Chamber** for Highly Effective De-aeration and Precise Media Volume.

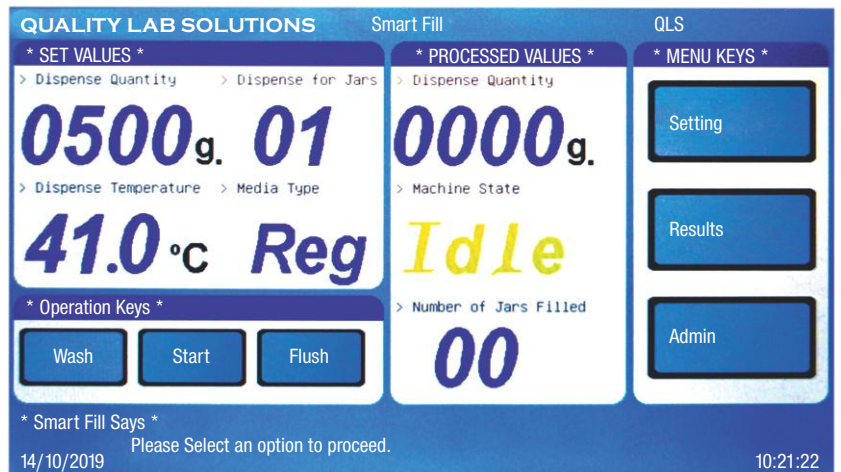
**Variable Dispense Volumes** - 200ml to 1000ml.

**Dispensing Method:** Volumetric and Gravimetric.

**Validation and Calibration:** Inbuilt for Temperature and Volume.

**Designed to use with Surfactants and handle Frothing.**

**Quick Documentation via Mobile Thermal Printer**



## SPECIFICATION

Product	Smartfill 5000
Function	Heating and Vacuum Degassing
Pharmacopeia Conformance	USP,EP
Control	Smart Touch Panel 7"
Time Needed for Degassing	1000ml in less than 110 sec.
Dispensing Volume	200 ml to 1000 ml to 200g to 1000g.
Dispensing time	1000ml in less than 110 sec at 41°C in ambient temperature .
Dispensing Accuracy	±1% of set volume, but not less than ±5 ml
Heating Capacity	Up to +20°C deg. increase from Ambient Temperature to Max of up to 45°C
Degassing	Up to a maximum of 3.0 ppm, to a level of not less than 5.0 ppm
Input Filter	25 mm in-line filter holder
Temperature Control	Cartridge Heater
Temperature Accuracy	± 2°C
PC Interface	RS-232 (serial) & Thermal Printer
Unit Dimensions	Height 32.28" (82 cm)
	Width 15" (38 cm)
	Depth 17.32" (44 cm)
Weight	37.0Kg
Electrical Power	220V ± 15V 50Hz 8Amps
	(Operating voltage pre-set at factory)

## PARTS & ACCESSORIES

- Replacement Tubing Kit. Includes 7.5 Feet of 1/4 Inch Polyethylene Tubing and 1.5 Feet of 1/4 Inch Viton Tubing
- Main Overlay
- Dispensing Tip
- 1/4 Inch NPT Thread Insert Connected to Dispensing Tip
- Wash Tubing Assembly
- Filter Holder
- DC Motor and Wiring Assembly
- FEP Encapsulated O-Ring for Piston
- Heater and Thermocouple Including Wiring Assembly
- Temperature Sensor Including Wiring Assembly
- Encoder and Limit Switch Including Wiring Assembly
- Upper and Lower Solenoid Valve
- Upper Solenoid Valve
- Drive Belt
- Remote Dispensing Nozzle. Includes Remote Dispensing Unit, Hose and Control Cable
- Mobile Cart (Trolley )



## QUALITY LAB SOLUTIONS

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