

Specifications - Multidrop Dispensers

For 96 well, 384 well or deep well plates

Specifications	Multidrop 384	Multidrop 384 AH	Multidrop Deep Well
Weight:	13.7 lbs. 6.2 kg	13.7 lbs. 6.2 kg	13.7 lbs. 6.2 kg
Overall Dimensions			
Width x Depth x Height: (in)	12.2 x 12.6 x 6.1	12.2 x 12.6 x 6.1	12.2 x 12.6 x 7.2
(mm)	310 x 320 x 155	310 x 320 x 155	310 x 320 x 180
Power Requirements:	115/230V, ±10% 50/60 Hz	115/230V, ±10% 50/60 Hz	115/230V, ±10% 50/60 Hz
Power Consumption:	100 VA @ 230 V/50 Hz)	100 VA @ 230 V/50 Hz	100 VA @ 230 V/50 Hz
Fuses:	2 x 600 mA for 115V 2 x 300 mA for 230V	2 x 600 mA for 115V 2 x 300 mA for 230V	2 x 600 mA for 115V 2 x 300 mA for 230V
Operating temperature range:	+ 10° C to + 40° C 50° F to 104° F	+ 10° C to + 40° C 50° F to 104° F	+ 10° C to + 40° C 50° F to 104° F
Autoclaving conditions: for the dispensing cassette	Pressure: 1 bar (15 psi) Temp: 121° C Time: 20 minutes Cycles: 50 times	Pressure: 1 bar (15 psi) Temp: 121° C Time: 20 minutes Cycles: 50 times	Pressure: 1 bar (15 psi) Temp: 121° C Time: 20 minutes Cycles: 50 times
Dispensing volume:	96 Mode: 5µl to 395µl 384 Mode: 5µl to 100µl 5µl step resolution	96 Mode: 5µl to 995µl 384 Mode: 5µl to 100µl 5µl step resolution	20µl to 995µl 5µl step resolution
Number of channels:	Eight	Eight	Eight
Dispensing Speed:	5 seconds to dispense 20 µl into 96 wells 20 seconds to dispense 20µl into 384 wells	5 seconds to dispense 20 µl into 96 wells 20 seconds to dispense 20µl into 384 wells	5 seconds to dispense 20 µl into 96 wells 26 seconds to dispense 300µl into 96 wells
Dispensing accuracy: *	± 3% @ 5 µl (Typical) ±1% @ 100 µl (Typical)	± 3% @ 5 µl (Typical) ±1% @ 100 µl (Typical)	+/-2% at 20µl (typical) +/-1% at 100µl (typical)
Dispensing precision: *	CV ≤ 10% @ 5 µl CV ≤ 1% @ 100 µl	CV ≤ 10% @ 5 µl CV ≤ 1% @ 100 µl	CV < 1.5% at 20µl CV < 1.0% at 100µl
Dead volume:	< 7 ml	< 7 ml	< 7 ml
Interface:	RS232	RS232	RS232

- *Dispensing accuracy and precision figures are valid at 22°C +/- 2°C with deionized distilled water.*