

MAP-C2 Specifications

Weight:	80 lbs.	36 kg
Dimensions		
MAP-C2 / S60 Stacker with 30 plate magazines	33" width x 19.5" depth x 23.13" height	83 cm width x 50 cm depth x 57 cm height
MAP-C2 / S60 Stacker with 60 plate magazines	33" width x 19.5" depth x 39.15" height	83 cm width x 50 cm depth x 99 cm height
Power Requirements		
	100-120 VAC, 50/60 Hz nominal	200-240 VAC, 50/60 Hz nominal
Power Consumption		
MAP-C2	180 VA maximum	180 VA maximum
Vacuum System	1500 VA maximum - 480 VA typical	1500 VA maximum - 480 VA typical
Fuses:		
	Slow-blow 1.5 amp for 120 V	Slow-blow 0.75 amp for 240 V
Environmental:		
Operating temperature range	41° Fahrenheit to 104° Fahrenheit	+ 5° Celsius to + 40° Celsius
Relative Humidity	10 - 85% (non-condensing)	10 - 85% (non-condensing)
Instrument Interface		
	RS232	RS232
Throughput - (Plates per hour using Stacker)		
	96 Well Plates	384 Well Plates
96 Head Wash (3x – 300µl or 70µl)	150	92
Dispense - Single Manifold (100µl or 30µl)	190	100
Dispense - 4in1 using 2 syringes (100µl or 50µl)	150	69
Wash/Dispense (Wash 3x then dispense 30µl)		60
Dispensing accuracy		
	96 Well Plates	384 Well Plates
Manifold with 10ml Syringe	Better than 1% @ 25µl	Better than 1% @ 25µl
96 Well Manifold	Better than 2% across the plate (100µl)	Better than 2% across the plate (100µl)
4in1 Syringes (1ml)	Better than 1% @ 5µl	Better than 1% @ 5µl
Dispensing precision		
	96 Well Plates	384 Well Plates
Manifold with 10ml Syringe	CV < 2.5% at 100µl, 5% at 25µl	CV < 3.5% at 50µl, 5% at 25µl
96 Well Manifold	CV < 5.0% at 100µl	CV < 5.0% at 100µl
4in1 Syringes (1 ml)	CV < 0.5% at 50µl, 3% at 5µl	CV < 1.0% at 25µl, 3% at 5µl