

MAP D-Type Specifications

Weight:	120 lbs.	54 kg
Dimensions (See next page for details)		
MAP D-Type with 30 plate magazines	33" width x 27" depth x 25" height	84 cm width x 69 cm depth x 64 cm height
MAP D-Type with 60 plate magazines	33" width x 27" depth x 40" height	84 cm width x 69 cm depth x 102 cm height
Power Requirements	100/120 VAC, 50/60 Hz nominal	200/240 VAC, 50/60 Hz nominal
Power Consumption		
MAP D-Type	240 VA maximum	240 VA maximum
Vacuum System	1500 VA maximum - 480 VA typical	1500 VA maximum - 480 VA typical
Fuses:	Slow-blow 2 amp for 115 V	Slow-blow 1 amp for 230 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)	105	74
Dispense - Single Manifold (100µl or 30µl)	130	83
Dispense - 4in1 using 2 syringes (100µl or 50µl)	116	85
Wash/Dispense (Wash 3x then dispense 30µl)		50
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 (1 ml)	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, CV < 5% at 25µl	CV < 3.5% at 50µl, CV < 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, CV < 3% at 5µl	CV < 1.0% at 25µl, CV < 3% at 5µl