Specifications

Microplates	
96-well plates/strips:	ELx405™, Select, Magna, Select CW, HT2/HTV2 (with the dual/96-tube manifold installed)
384-well plates:	Select, Select CW, all HT models

Electrical	
Voltage range:	100 to 240 V~ at 50 to 60 Hz, ≤ 8.0 A
Accessory Outlet:	≤ 5.0 A, used for vacuum pump

Physical	
Dimensions:	17″ D x 14″ W x 10″ H (43.2 cm x 35.6 cm x 25.4 cm)
Weight:	≤ 30 lb (13.5 kg)

Environmental	
Operating conditions:	15 to 30°C (59 to 86°F)
Relative Humidity:	10% to 85% (non-condensing)

Manifold Type	Compatible with
Single manifold with 96 sets of aspirate and dispense tubes arranged in an 8x12 array to process 96-well microplates.	ELx405 (standard), and Magna
Two manifolds, one with 96 aspirate tubes and the other with 96 dispense tubes, for processing 96- and 384-well plates.	Select, Select CW, and HT2/HTV2
Two manifolds, one with 192 aspirate tubes and the other with 192 dispense tubes, for processing 384-well plates.	All HT models

Other	
Waste bottle volume:	4, 10, or 20 liters, depending on the accessory package
Supply bottle volume:	3.7 liters
User interface (LCD):	2 line x 24-character LCD display, 25 alphanumeric keys

Performance Specifications

Average Residual Volume (Evacuation Efficiency)		
Single/Dual 96-Tube Manifolds	ELx405 Select, Magna Select CW HT2/HTV2	Average residual volume in the microwells is ≤ **5 µl per well** after a 3-cycle wash, when 300 µl of deionized water with 0.1% Tween 20, or buffer equivalent, is dispensed per well into a Costar 96-well flat-bottomed plate. The aspirate height adjustment is optimized for the plate prior to testing.
Dual 192-Tube Manifold	All HT models	Average residual volume in the microwells is ≤ **2 µl per well** after a 3-cycle wash, when 100 µl of deionized water with 0.1% Tween 20, or buffer equivalent, is dispensed per well into a Costar 384-well flat-bottomed plate. The aspirate height adjustment is optimized for the plate prior to testing.

Dispense Precision		
Single/Dual 96-Tube Manifolds	ELx405 Select Magna Select CW HT2/HTV2	≤ **4.0% CV**, when dispensing 300 µl per well of deionized water with 0.1% Tween 20®, with FD&C #1 blue dye at a rate of 300 µl per well, per second (3.0% CV is typical) into a Costar 96-well flat-bottomed plate. The absorbance of the solution is read at 630 nm and 450 nm reference.
Dual 192-Tube Manifold	All HT models	≤ **4.0% CV** when dispensing 80 µl per well of deionized water with 0.1% Tween 20, with FD&C #1 blue dye at a rate of 102 µl per well, per second (rate 5) into a Costar 384-well flat-bottomed plate. The absorbance of the solution is read at 630 nm and 450 nm reference.