

M384 Atlas Microplate Washer/ Titan Stacker

For 96 well or 384 well plates

M384 Atlas Features

- Overfill protection
- Priming trough
- Fluid/flow sensors
- Built-in positive displacement pump
- Crosswise aspiration
- Unparalleled software programmability

Hardware

- Internal positive displacement pump
- No pressure containers required
- Sealed pump prevents leaks
- Unlimited reservoir options (Standard or user supplied)
- Variable dispense volumes
- Variable flow rates
- Applications from ELISA to cell washing

Optional Valve Module

- External "plug in" module
- Connect up to four buffer solutions

External Vacuum Pump

- Outlet on rear of washer
- Vacuum pump on only when needed

Other Hardware Features

- Manifold designed for overflow protection in either the 96 well or 384 well format
- Vacuum detection sensor
- Unique fluid/flow detection
- Priming trough (no prime plate required)
- Mist shield

Software

- Store up to 75 programs
- Link up to 10 programs
- Pre/Auto prime
- 10 cycles/wash
- Crosswise well aspiration
- Fully programmable

Specifications:

Weight: 82 lbs. - 37 Kg

Overall Dimensions:

(30 plate magazines) 29 W x 22 D x 24 H - inches
74 W x 56 D x 61 H - cm

Power Requirements:

M384 Atlas:

Mains Voltage 100/240V, 50/60 Hz ≤6.3 amps
Mains Fuse internal 3.15 amp
Accessory ≤ 5A, used for vacuum pump
Fuse 5 amp

Titan Stacker:

Mains Voltage 100/230V, ± 10 %, 50/60 Hz
Mains Fuse 3 amp for 115 volt
1.5 amp for 230 volt

Operating temperature 15° C to 40 °C
59°F to 104°F

Microplate type: 96 or 384 well
Flat or round bottom

Throughput: (3-cycle wash/aspirate)

96 Mode: 69 Plates per hour @ 300µl
384 Mode: 30 Plates per hour @ 70µl

Dispense Precision < 2% CV typical
Residual Volume < 1.5 µl / well typical
Wash Cycles 1 to 10
Dispense Volume 50 to 3000 µl / well
Soak time 1 to 600 seconds
Shaking Programmable
Software Store up to 75 programs

Titan Stacker 20/30/60 plate magazines
Single axis plate shuttle
Push button control

Description	Catalog Number
M384 Atlas Microplate Washer / Titan Stacker (with two Magazines)	098094012
Titan Stacker Field Retrofit (Stacker, 2 Magazines, Drain, Labor)	098094002