










M384 Atlas / Titan Stacker



The newest addition to Titertek's popular M Series Washer line is the M384 Atlas / Titan Stacker. The M384 Atlas combines a wide range of wash functions with a simple interface to the Titan microplate stacker. The Titertek M384 Atlas performs plate washing for both 96 and 384 well plates.

Using the standard S30 magazines, rapid processing of up to 30 plates can be accomplished on either plate format without user intervention. If the unit is equipped with the optional S60 magazines, up to 60 plates may be processed. Operator control of aspiration intensity and positioning, as well as buffer dispense speed makes the M384 Atlas an ideal unit for cell washing.

-  Single axis plate shuttle of the Titan Stacker provides the highest throughput.
-  20/30/60 plate interchangeable magazines are compatible with other Titertek equipment.
-  Simple keypad programming saves the expense and space of a PC.
-  The M384 Atlas incorporates a variety of features to facilitate cell washing.
-  Valve control module allows selection of up to four wash buffers.
-  Waste full and buffer empty sensors provide useful user feedback.
-  A field retrofit is available for adding the Titan Stacker to existing M384 Atlas units as well as certain models of the Biotek® ELX405™ microplate washer.

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

Operating temperature +4°C to +40°C

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 <3% CV typical
Residual Volume <5 µl / well
Wash Cycles 1 to 10
Dispense Volume 50 to 3000 µl / well
Soak time 1 to 600 seconds
Shaking programmable
Software up to 75 programs

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

Description

M384 Atlas Microplate Washer / Titan Stacker (with two Magazines)
Titan Stacker Field Retrofit (Stacker, 2 Magazines, Drain, Labor)

Catalog No.

098079012
098079002

Exclusive Distributor in the United Kingdom:

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