
InnovaSystems, Inc.

Technology Engineering



- **Automated Metered Dose Inhaler Testing**
- Automates Agitation and Actuation to Waste of Metered Dose Inhalers
- Increases Throughput
- Reproducible Agitation and Actuation Force
- Eliminates Repetitive Motion Injuries

MDI FD-10 – Automated Fire-Down

The MDI FD-10...

Automates the routine Waste Sprays of your Metered Dose Inhaler Product. Simultaneously processes 10 canisters with user-defined parameters for agitations, actuations and delay times.

Is easy to use. Just place the canisters (x-valve or x-actuator) in the rack, load the rack in the FD-10, select a stored method, and start. It agitates the canisters, rotating 180°, actuates and contains the spray with the integrated waste manifold connected to the laboratory vacuum.

Simplifies validation with the optional IQ/OQ documentation and restricts modification of protected methods.

Includes

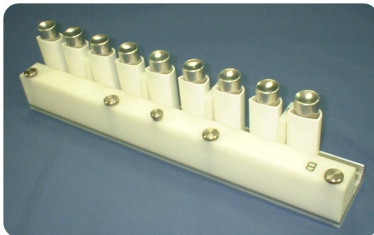
- MDI Fire-Down Station
- (2) Canister Rack/Waste Manifold Sets, x-valve
- Printer

Options

- Force Verification Kit
- Validation Protocols, IQ/OQ
- Canister Rack/Waste Manifold Sets, x-valve



- Patient Actuator Rack/Waste Manifold Set, x-actuator



DATA OUTPUT

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MDI FD-10
Serial #: XXXXXXXX
MM/DD/YY  XX:XX:XX
S/W Version: X.X

RUN REPORT
Method: XX
XXXXXXXXXXXXXXXXXXXX
Agitations/Spray: XX
Pre-Agitations: XX
Previous Sprays: XXX
Target End Spray:XXX
Sprays/Group: XX
Spray Delay: XX.X
Release Delay: XX.X
Agitate Delay: XX.X
Group Delay: XXXX.X
Spray Force: XX.X
Force Tolerance: X.X
Agitation Angle: XXX
Force Rise Time: XXX
Force Fall Time: XXX

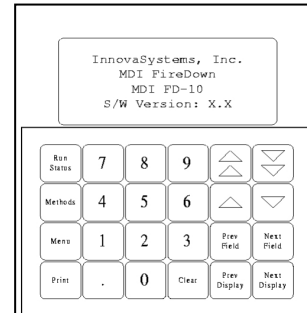
Actual Run

Start: MM/DD XX:XX
Finish: MM/DD XX:XX

Cans This Run: XX
Previous Sprays: XXX
Target End Spray:XXX
Actual End Spray:XXX

Run Suspensions
Date Time Spray
MM/DD XX:XX XXXX
    
```

CONTROLLER



Specifications

Space Requirements	Height	Width	Depth
Station	15in	29in	14in
	Power	Air	Vacuum
Utilities	110/220 VAC 50/60 Hz	80-100 PSI	30 liters/minute @100mbar

For more information contact

InnovaSystems, Inc.
1245 N. Church Street, Unit 6
Moorestown, NJ 08057
856-722-0410

www.InnovaSystemsInc.com
info@InnovaSystemsInc.com