

HAWKTECH SMOKING MACHINES



FPC 2000

Tri  City Machine Works

HAWKTECH MODEL FPC 2000

SPECIFICATIONS:

- Smokes five cigarettes simultaneously.
- Independent controls for Puff Volume (10 to 150 ml), Puff Duration (1.0 to 10.0 seconds), Cycle Time (4-second minimum.)
- Independent controls for Clearing Puffs after each cigarette and after each run.
- User defined number of Cigarettes per Run.
- Programmable Volume Offset (-10 to +10 ml) is used to negate the volume effect when liquid impingers are installed.
- Adjustable, rollout cigarette holder bar to accommodate different cigarette lengths and diameters.
- Adjustable lighter bar to accommodate different cigarette lengths, using industry-standard resistive type elements.
- Ability to smoke cigarettes between 60 mm and 120 mm in length and between 14.1 mm and 28.3 mm in circumference, and with butt lengths between 23 mm to 55 mm.
- Mirrored laminar airflow ash pan.
- Mirrored rear flap controls airflow and allows the operator to easily view the lighter-to-cigarette adjustment.
- All metal construction with a large Plexiglas and extruded aluminum enclosure, deep enough to stack two Liquid impingers in tandem behind each port.
- Exhaust hood and enclosure rated for FTC and ISO air flows.
- Bi-fold rear enclosure doors allow unrestricted rear access for maintenance, installation, assembly and disassembly of liquid impingers.
- Sliding front and removable rear access panels to allow easy access to both the front and rear lower section of the machine, simplifying maintenance procedures.
- Change commands between smoking regimes on screen, no "changeover downtime."
- Servo-drive puff motor providing wide range of sampling options.
- Five 200 ml, coated glass syringes, eliminating the need for silicone lubricant.
- Graphical representation of test-in-progress with real-time display of test results. Multiple puff profiles to include parabolic, trapezoidal, square and more.
- CO analysis capability using California Analytical Model 100 NDIR.
- Smoke-to-puff count software with a resolution of one tenth of a puff.
- Manual Mode allows for setup, calibrations, and troubleshooting.
- Onboard historical data collection.
- Will fully integrate with Laboratory Information Management System (LIMS).



Human Topography Smoking

- This software will allow the user to Import and Download profiles gathered from the SODIM Instrumentation puff analyzer directly into the smoking machine. Status indicators on the main screen will notify the user if the machine is in SODIM Profile Mode.

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www.tricitymachineworks.com

P.O. Box 2369 • Chester, Virginia 23831 • 804.706.1897 • Fax 804.706.5943