Vending Machine Operators – Pharmaceuticals – All

Download the PDF with our OEM/retrofit proposal for vending machines in pharmacies and healthcare sites:

- hygiene-by-design for touch points and product pick-up areas

- audit-ready UV-C sanitization with dose logging and telemetry

- business case, payback and rollout model for operators and chains

Technical sheet – Vending Machine Operators – Pharmaceuticals – All

Application

- Vending machines installed in pharmacies, para-pharmacies, hospitals, clinics, healthcare campuses.

- Hot drinks, snacks & food, OTC products, PPE and healthcare accessories.

Function

- Automatic UV-C sanitization of:

    - keypad / touch screen

    - coin/bill/card interfaces and change outlet

    - cup station and product pick-up bay

- Closed UV-C chamber with controlled airflow to reduce shadow areas and residual microbial load.

Technology

- DABOTECHNOLOGY™ UV-C modules with mixing assisted by magnetic field.

- Anti-shadow optics and micro-ducts dedicated to each critical bay.

- Integrated dose sensor and on-board logging (time, dose, cycles).

Performance (typical design targets)

- Log reduction: 3–4 log on selected indicators (lab conditions defined in test plan).

- Cycle time: configurable short cycles between users + longer cycles during closing hours.

- Energy consumption: optimized per m³, low additional load vs. vending baseline.

Electrical & Interfaces

- Supply: 24 VDC (other options on request).

- Interfaces: digital I/O, optional Modbus / OPC-UA / REST API gateway.

- Status signals: "sanitizing", "ready", "alarm", counters for cycles and hours.

Safety & Compliance

- UV-C fully contained in sealed chamber; no direct exposure to users or staff.

- Interlocks on door/openings; automatic stop in case of tampering or abnormal conditions.

- Design in line with IEC photobiological safety guidelines, EMC and Low Voltage requirements.

- Ready for inclusion in CE technical file of the vending manufacturer; MOCA/CAM support available.

Installation & Retrofit

- OEM versions for integration during machine design.

- Retrofit kits for installed base, with typical installation time 40–90 minutes per machine.

- Mechanical kits for: keypad/touch, cash/coin area, cup station, product bay.

Telemetry & Reporting

- Cloud dashboard (optional): fleet view, thresholds, alerts and usage statistics.

- Automatic PDF reports with dose history and cycle logs, for audits and inspections.

Service

- Long-life UV-C sources with predictive replacement based on real operating hours.

- Remote diagnostics and firmware updates (OTA) where enabled.

Descriptive paragraph for page / PDF

For vending operators in pharmacies and healthcare environments, this package combines Touch Safely™ retrofit kits and telemetry into a complete "hygiene-by-design" solution. The system automatically sanitizes keypads, touch screens, cash interfaces, cup stations and product pick-up bays using closed-chamber UV-C technology with controlled airflow and dose sensing. All cycles are logged and can be exported as PDF reports, giving operators an audit-ready trail for inspections and quality systems. Electrical and mechanical interfaces are standardised for major vending platforms, with installation times typically under 90 minutes per machine. In this way, operators can upgrade existing fleets or new sites with a certified, visible hygiene feature that increases customer trust, supports compliance and improves the business case compared to manual chemical sanitization.

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