Quip Laboratories

Product Offering: The Halo® Disinfection System

April 2022

HaloFogger®STD
Standard, 110V

Item No.
QLI-0753-110STDL

Hands-free whole room surface disinfection at the touch of a button.

Description

The **HaloFogger** delivers complete surface disinfection throughout a room at the touch of a button. Based on room size, the HaloFogger delivers a precise amount of aerosolized Halo disinfectant to treat every exposed surface reaching into areas other disinfection methods miss. The HaloFogger can be deployed to easily treat the standard room sizes found in healthcare, long-term care and life sciences facilities, as well as in daycares, schools, athletic facilites and food handling sites.

HaloFogger Specifications

● **Treatment Room Size**	up to 10,500 ft^3 / 300 m^3	
● **Fog Time**	10 - 60 minutes	
● **Fluid Output**	50 ml (1.7 oz) / minute	
Target Dose Concentration	11ml/m^3	
Average coverage per gallon of disinfectant	11,500 ft^3 / 325 m^3	
Average coverage per liter of disinfectant	3,000 ft^3 / 86 m^3	

HaloFogger® FLX
110V

Item No.
QLI-0753-110FLXL

Flexible nozzle positioning capability for complete whole room disinfection from inside or outside the room being treated.

Description

The **HaloFogger FLX** provides flexibility in positioning the nozzle while maintaining the precision of disinfectant delivery. The base FLX unit can be located outside the room being treated while the detachable nozzle operates inside the room. The nozzle assembly is detachable and additional hose assemblies can be purchased to facilitate the treatment of multiple spaces quickly and affordably with a single base unit.

HaloFogger FLX Specifications

● **Treatment Room Size**	up to 10,500 ft^3 / 300 m^3
● **Fog Time**	10 - 60 minutes
● **Fluid Output**	50 ml (1.7 oz) / minute
Hose Length	12′
Target Dose Concentration	11ml/m^3
Average coverage per gallon of disinfectant	11,500 ft^3 / 325 m^3
Average coverage per liter of disinfectant	3,000 ft^3 / 86 m^3
Includes	HaloFogger FLX, 12′ Hose Extended Nozzle Assembly, Suction-Cup and Tripod Mount, Tripod

Special Order Feature
12′ Hose Extended Nozzle Assembly and tripod

Item No.
0751-EXSA12

HaloFogger® EXT
110V

Item No.
QLI-0753-110EXTL

Flexibile nozzle positioning capability to treat a range of small spaces.

Description

The introduction of the **HaloFogger EXT** brings flexibility in positioning the fogger's nozzle so that the base unit can remain outside of the treatment space while maintaining the precision of disinfectant delivery. The HaloFogger EXT dispenses at a lower volume of mist to treat a wide range of smaller spaces like biosafety cabinets and isolators. The nozzle assembly is detachable and additional hose assemblies can be purchased to facilitate faster treatment of multiple spaces.

HaloFogger EXT Specifications

● **Treatment Room Size**	up to 2,250 ft^3 / 64 m^3
● **Fog Time**	1 - 30 minutes
● **Fluid Output**	25 ml (0.85 oz) / minute
Hose Length	5'
Target Dose Concentration	11ml/m^3
Average coverage per gallon of disinfectant	11,500 ft^3 / 325 m^3
Average coverage per liter of disinfectant	3,000 ft^3 / 86 m^3
Includes	HaloFogger EXT, 5' Hose Extended Nozzle Assembly, Suction-Cup Mount

Special Order Feature
5' Hose Extended Nozzle Assembly with Suction-Cup Mount

Item No.
QLI-0751-EXHA5

HaloLog™ Data Logger

Track your HaloFogger's treatment cycles with time-stamped, recorded data logging on your Apple® iDevice.

Installed as standard in all models of the HaloFogger®


Description

* Requires downloading and installation of the free HaloLog App from the App Store.

The on-board data logging capability features an integrated Bluetooth device with a "real time" clock and sufficient memory to record 30,000 run cycles. The integrated logger automatically stores a dated record of the duration of each HaloFogger dispensing run and the total lifetime hours a HaloFogger has operated.

Downloading data to the HaloLog App takes only seconds. Once the data is downloaded the App allows users to review the operating data for all recorded treatment cycles. Additional information can be added to any recorded cycle log (for example; location of the run and pertinent notes). Data can also be emailed directly from the HaloLog App (in CSV format) and archived for future editing in Excel.
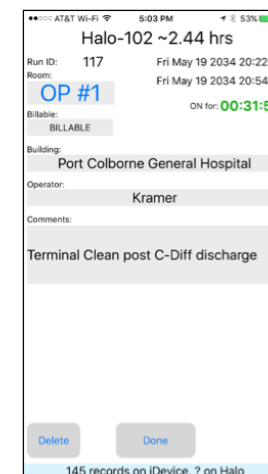
Halo List Screen
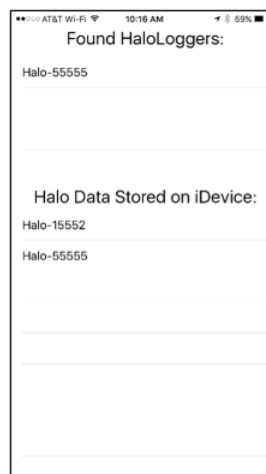
Run Events Screen
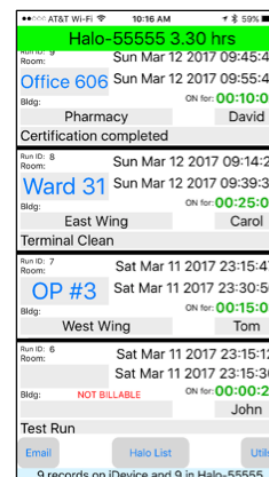
Run ID Screen

HaloPortal™ Permanent Thru-the-Wall Remote Nozzle Connection

Item No.
QLI-0753-PORTAL

Permanently installed, remote nozzle assembly for maximizing the utility of your Halo Fogger® FLX or HaloFogger EXT.

Description

For spaces that are treated frequently and in environments with multiple separate rooms, the **HaloPortal** is a permanently installed solution that offers great advantages in safety, speed and repeatable efficacy. With the HaloFogger outside of the treatment room, a user can easily connect a hose assembly to the HaloPortal and instantly connect to a wall-mounted nozzle assembly inside the room to deliver Halo™ Disinfectant. Once dispensing is completed, the detachable hose assembly is disconnected and the HaloFogger can be relocated to a new site without removing the sealed barrier or entering the room requiring with full PPE.

HaloPortal Specifications

Dimensions	Connector Port	5.5" x 3.5" x 1.5"
	Nozzle Plate	5.5" x 5.5" x 5.5"

HaloShield® Vent and Smoke Detector Covers

Reusable covers quickly seals ceiling locations. Easily installs from floor. No ladder required!

Item No.

Vent Covers
Large: QLI-**0800**-SHSVCL
Small: QLI-**0800**-SHSVCS

Description

The **HaloShield** resusable vent and smoke detector covers help make room preparation for fogging treatment faster and easier. The HaloShields install quickly, effectively covering most standard sized ceiling ventilation and smoke detector locations. An extendable pole provides secure cover installation from the floor without a ladder. When you're ready to re-occupy the room, simply lower the HaloShield, disconnect from the pole and store for your next use.
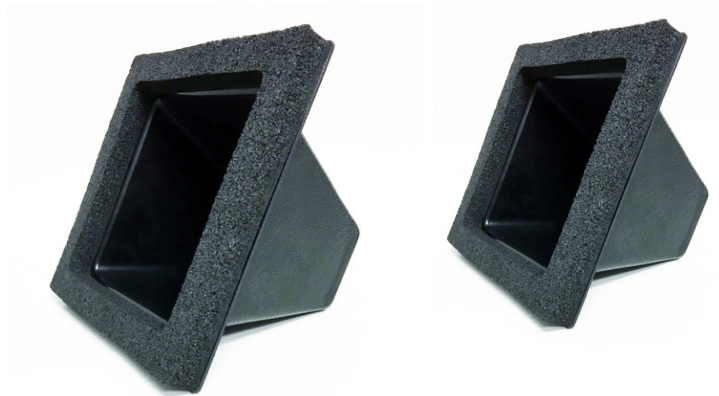
HaloShield **Vent Cover** Specifications

Dimensions	Large = 2' x 2' Small = 1' x 2'
Includes	2 per pak, 2 extendable 10' poles

Item No.

Smoke Detector Cover
QLI-**0800**-SHSSDC

HaloShield **Smoke Detector Cover** Specifications

Dimensions	Approx. 6" Diameter
Includes	1 per pak, 1 extendable 10' pole

HaloSwitch™ Universal Power Switch

Item No.
POWER MODULE QLI-20PMD12-110

Description

The **HaloSwtich™** is an integral component of the Halo Disinfection System that controls operation of the HaloFogger® and an air scrubber (dehumidifier, air handler, etc.). The HaloSwitch will start the scrubbing process automatically, greatly improving safety and room turnaround time. Built with universal receptacles, the HaloSwitch is a dual voltage device that will work with either 120V/60Hz or 220V/50Hz and accept a wide variety of country specific power plugs.

How it works:

First, connect the HaloSwitch to a power source. After plugging both the HaloFogger and the air scrubber into the HaloSwitch, the scrubber is turned on to condition room humidity (at or below 50%). Once the HaloFogger is started, the scrubber automatically turns off while the room is being disinfected. Upon completion of the treatment cycle, the HaloSwitch automatically turns the scrubber back on to assist in the decomposition of dry mist hydrogen peroxide and reduce room re-entry times.

Power Module Specifications

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Dimensions	8.25" x 5" x 3.5"

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All of these plug styles will work with the HaloSwitch.

PortaSens III Portable H$_2$O$_2$ Detector

Item No.
QLI-00-1876

Portable handheld detector ensures confidence and convenience in accurate dry mist hydrogen peroxide level monitoring for the safety of personnel.

Description

The **PortaSens** portable leak detector is ideal for measuring hydrogen peroxide gas concentrations before the room is cleared for re-entry and for locating possible leak sources. With a built-in sampling pump and inlet wand, samples can be drawn without exposing the operator or disturbing the room seal..

PortaSens Specifications

Dimensions	8.5" x 3.38" x 5"
Weight	2 lbs
Features	• Internal sample pump and external sampling wand
	• One-hand pistol grip design
	• NiMH "D" cell rechargeable battery and smart charger
	• Easy to read back-lit color graphics LCD touchscreen
	• Instantaneous and timed-sampling modes of operation
	• Visual and Audible alarms
	• Internal 4 Gb data-logger with USB output
Included	• PortaSens Portable H2O2 Detector
	• (2) D-cell, NiHM Batteries
	• 10" Sampling Wand
	• Outlet Tube Barbed Fitting
	• Sensor Keeper Case
	• Flow Meter
	• Storage Case
	• Operation & Maintenance Manual
	• Calibration Certificate
	• Battery Charger

HaloFogger® Travel Case

Item No.
* SPECIAL ORDER QLI-750-CasVPC

Reusable hard-sided case provides durable protection for shipping your HaloFogger.

Description

The **HaloFogger Travel Case** is designed for users who need to frequently transport or ship their HaloFogger.

HaloFogger Travel Case Specifications

Dimensions	42" x 17.75" x 19.5"
Weight	60 lbs
Features	• 3/8" plywood construction with heavy PVC laminate exterior (black only) • case is designed to reuse foam inserts from the fogger's corrugated shipping box to position fogger securely for maximum protection *(Replacement foam inserts available (4 piece set)* • bare wood interior; hinged lid for easy loading/unloading of fogger • all recessed handles and padlock catches; 3" diameter recessed corner dolly wheels • ATA compliant construction, made in USA
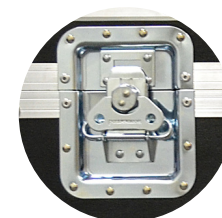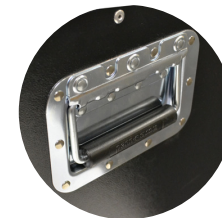
Commonly Used HaloFogger® Spare Parts

Nozzle Replacement Kit
Includes: Retainer Cap, Siphon Set, and O-ring

Item No.
QLI-0750-000

Power Cord
110V

Item No.
QLI-7586

Reservoir Door Magnet

Item No.
QLI-0751-1077

HaloMist™ All-Purpose Disinfectant
Case - x4 - 1-Gallon (3.8L) Bottles

Item No.
QLI-HM10N0G4

Case - x6 - 32 oz Spray Bottles

Item No.
QLI-HM10N0Q6

5-Gallon Carboy

Item No.
QLI-HM10N0G5

Description

HaloMist is the first EPA registered disinfecting fogging formula for whole room surface disinfection. This healthcare-grade, ready-to-use formula is hydrogen peroxide-based and approved for use on hard, pre-cleaned, non-porous, non-food contact surfaces during whole room surface disinfection procedures when used in the HaloFogger®. HaloMist has been proven to reduce facility infection rates where it counts - *in the field.*

Advantages

• EPA Reg. No. 84526-6

• 5% Hydrogen Peroxide/ 0.01% Silver chemical formula

• Reaches into every nook, crevice and corner that disinfecting sprays and wipes can't

• Dry Mist - no wipe, no rinse

• Makes whole room disinfecting easier

• Unscented formula that is bleach and PAA free

HaloMist EPA Registered Kill Claims

Bacteria - 10 minute contact time

Clostridioides difficile (*C. diff* spore form)

Staphylococcus aureus

Staphylococcus aureus – MRSA

Pseudomonas aeruginosa

Enterobacter aerogenes

Escherichia coli

Salmonella enterica

Proteus mirabilis

Sulfate Reducing Bacteria

Viruses - 10 minute contact time

Norovirus {Norwalk virus}

Feline calicivirus (as surrogate for Norovirus)

Human immunodeficiency Virus type 1 (HIV)

Influenza A (H5N1) (flu virus)

Influenza A (H1N1) (swine flu) (flu virus)

Influenza A strain Hong Kong (flu virus)

Rhinovirus type 37

Minute virus of mice (MVM)

Fungi - 10 minute contact time

Trichophyton mentagrophytes

Aspergillus niger

Non-Label Claims Approved by EPA

*Coronavirus SARS-CoV-2***

Candida auris - fogging only

*** HaloMist has demonstrated effectiveness against viruses similar to the 2019-nCoV Coronavirus on hard, nonporous surfaces. Therefore, HaloMist can be used against the 2019-nCoV Coronavirus, now called SARS-CoV-2, when used in accordance with the directions for use against Feline calicivirus (as a surrogate for Norovirus) and Minute virus of Mice (MVM) on hard, nonporous surfaces. Refer to the CDC -or- OIE website at https://www.cdc.gov/coronavirus/for additional information.*

SARS-CoV-2 is caused by Coronavirus. HaloMist kills Clostridioides difficile, a spore forming organism, on hard, non-porous surfaces. Spores are the most difficult form of mircrorganism to kill according to the heirarchy of microrganisms and their resistance to disinfectants and therefore can be used against Coronavirus when used in accordance with directions for use against Clostridioides difficile on hard, non-porous surface. Refer to the CDC or OIE website https://: www.cdc.gov/coronavirus. for additional information.

Chemical Indicator Strips
H₂O₂ Test Strips

Item No.
QLI-H2O2STRPS-50

Easy to use test strips visually confirm coverage of mist dispensed by Halo Fogger®

Description

Chemical Indicator Strips are a simple, effective and reliable method for verifying coverage of the disinfecting mist dispensed by a HaloFogger®. Positioned thoughout a room prior to treatment (*a mininum of four is recommended, one in each corner of the room*), the pad on the strip's end will change from white to black in the presence of high levels of hydrogen peroxide (70ppm or higher). Position strips wherever you need for positive proof the fog reached - and disinfected - that surface.
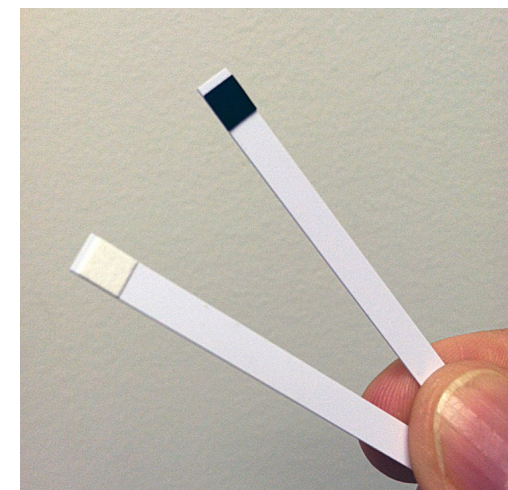
Chemical Test Strips Specifications

Strip Dimensions	2.5" x 0.20"
Quantity	50 strips per container

Make sure it's Halo·Sealed.

Quip Laboratories

Quip Labs Makes It Safe. Simply and Sensibly.

www.quiplabs.com
1 (800) 424-2436