

CapSnap Equipment



Contaminant Detection System

The CapSnap Contaminant Detection System provides on-line inspection of refillable bottles for foreign compounds. By detecting contaminated bottles this system will decrease production costs by reducing washer downtime, improve product quality and increase customer satisfaction.

Product Detail

The CapSnap Contaminant Detection System is a non-contact vapor analysis "sniffer" system which can be used with 3-, 5- and 6-gallon containers.

- Eliminates washer and bottle contamination
- Saves money by reducing downtime and susceptibility to human error
- Improves product quality and customer satisfaction

The floor-mounted system is located pre-washer and is able to "sniff" bottles online without physical contact. Designed to integrate into systems up to 3,000 BPH.

- Petroleum distillates
- Solvents
- Beverages and flavor agents

As it detects foreign compounds, an alarm and warning light are activated. The contaminated bottles can then be removed from the line, either automatically or manually.

Description

Base Unit

For the detection of contaminated 3, 5 or 6-gallon refillable water containers at speeds of up to 3,000 containers per hour (33 meters/ minute). Including:

- Strobe Analysis Module (**SAM**) for the detection of aromatic hydrocarbons, such as diesel, gasoline, kerosene, used motor oil, and other aromatic-based compounds

Additional Detection Module Options available

NOx Detection Capability

Analysis module capable of nitrogen-based contaminant detection. such as NOx, sewer water, decomposing organic matter and other nitrogen-containing compounds. Includes NOx detection start-up maintenance kit

Water Analysis Module (WAM)

For the detection of beverage and non-beverage alcohols, artificial flavoring agents and fermented fruit juices. In addition, volatile non-aromatic hydrocarbon-based solvents, lubricants and cleaners are detected.

PID Module

Significantly expands the classes of compounds detected to include beverage alcohols, alcohols, all non-aromatic hydrocarbon-based solvents, and fuels, as well as several common artificial flavor agents such as p-cymene and limonene.

Includes PID start-up maintenance kit.

Additional Options Available

Manual Crank Height Adjustment Option:

For convenient height adjustment via hand crank assembly recommended for lines with multiple bottle sizes where container size changeovers are frequent.

Air conditioner for cooling of cabinet

Bilingual color touch screen control panel (English & Spanish)

Auto Rejector:

A bottle separation and rejection device. For automatic removal of contaminated bottles onto parallel conveyor or accumulation table. Includes W10 line clamp and interface

Line Clamp:

Stops production line via bottle clamp when contaminated bottle is detected. An audible alarm alerts operator to manually remove bottle. Recommended for low production lines only (less than 500 bottles per minute).

PureAir System

Recommended for sites where ambient contamination is significant.

Includes Environmental Filter Kit (shelf life one year), consisting of 12 filters (4x Thermisorbent; 8x Thermikol)

