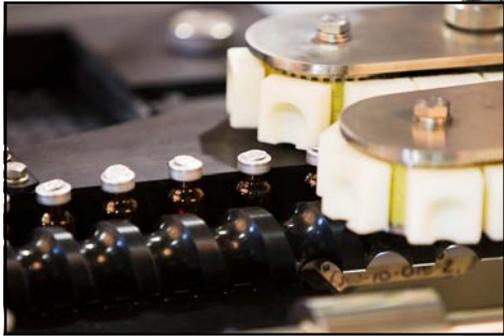


External Vial Decontamination

PennTech's External Vial Decontamination System encapsulates the caps with a watertight seal.



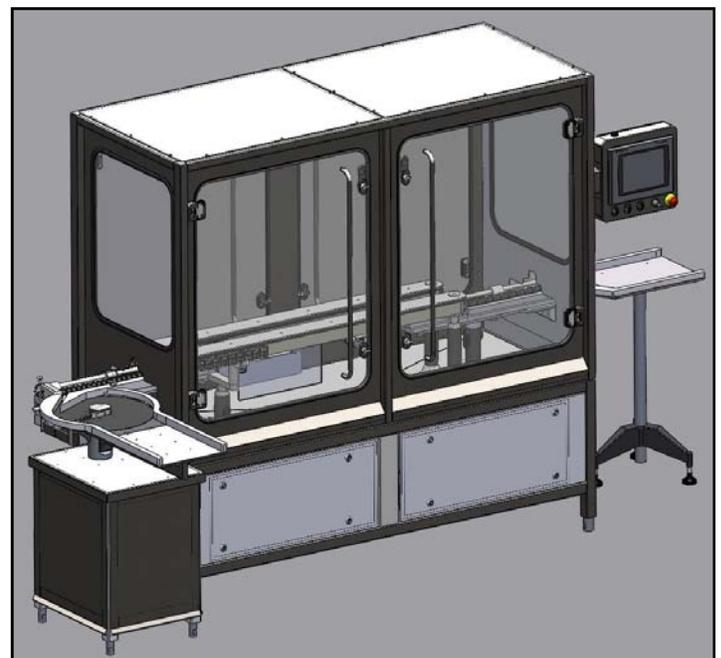
Vials filled with potent drugs such as antibiotics, cytotoxics and cytostatics need to be cleaned before further processing.

PennTech's unique approach to this requirement is by enclosing the aluminum cap by two opposed belts. The seal that is thus created, prevents the cleaning agent from entering the cap area, hence eliminating potential future bacterial contamination.

Another advantage of sealing the cap, is the application of pressurized water for cleaning the entire vial body, including the bottom.

Operation is menu-driven through the HMI. PLC-controlled servo motors automatically set the output rate, the vial height and the water/air flow per vial size. The changeover to a different cap or vial format is tool-less and can be accomplished within 15 minutes.

As a stand-alone system, the EVW can be equipped with a rotary infeed disk with loading platform and a vial collecting tray at the outfeed. See picture at right.



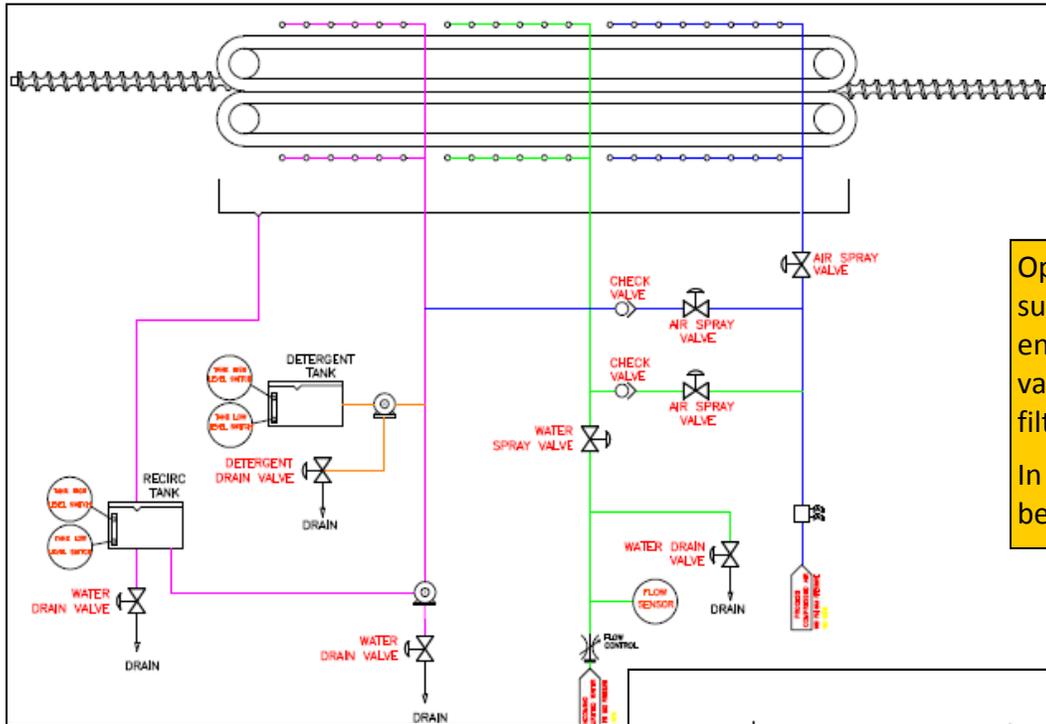
External Vial Decontamination

Three models:

EVW-100: Virgin Rinsing, Compressed Air Drying

EVW-200: Recycled Rinsing, Virgin Rinsing, Compressed Air Drying

EVW-300: Recycled Rinsing with Detergent, Virgin Rinsing, Compressed Air Drying



Optionally, negative pressure can be obtained in the enclosure by installing a vacuum pump with HEPA-filter on the top.

In addition, glove ports can be installed in the doors.

Typical PennTech Hallmarks:

Versatile: designed for vials from 2 - 100ml.

Simplicity in design: Menu-driven operation, no alignments of spray nozzles, no format parts required for 13 and 20mm caps.

Simplicity in operation: Menu-driven changeover, automatic setting of output rate. Automatic height setting for all vial formats. Tool-less exchange of infeed and out-feed timing screws.

All stainless steel heavy duty construction, with tempered glass windows and doors.

Piping system and electrical cabinet are installed inside the frame of the machine, resulting in a small footprint.

