



## Upgrade Kits

### Kit for HPV frame

#### General information

JBT SF&DS Amsterdam is globally providing high quality filling systems. These systems are known for their reliability and durability. The uptime of JBT SF&DS systems will provide our customers the competitive advantage over their competitors. It is our goal to improve this advantage in any way we can. Therefore we are always solving issues that result in loss of product, or loss of productivity.

On AsepTec fillers in the start-up phase, H<sub>2</sub>O<sub>2</sub> is circulating over the flowmeters via the 3-way valves to the day tank to prevent gas from H<sub>2</sub>O<sub>2</sub> being created. The H<sub>2</sub>O<sub>2</sub> circulation is to flush out the gas bubbles. In practice there is a risk that the 3-way valves are mounted wrongly, resulting in measured H<sub>2</sub>O<sub>2</sub> flows to the tank rather than to the system. This results in downtime and product loss. This means that after mounting the valves, it has to be manually verified if the valves are mounted in the correct way to avoid problems and risks.

#### What will be modified?

This change removes all 3-way valves in H<sub>2</sub>O<sub>2</sub> systems (systems for Bottles, Caps, N<sub>2</sub> and Aseptic barrier of screw capper). Flushing during the start-up phase still takes place, but rather than circulating to the tank, the flow is fed into the system. This improvement results in fewer parts and less risk of faulty mounting possibilities.

Addition of: Piping from non-return valve 113.20 (and 114.20 and 125.20) is directly connected to atomizer 113.24 (and 114.24 and 125.20). Piping will be connected with couplings.

Changes of:

- Safety function of releasing hydrogen peroxide flow to machine is moved, from the three-way valve, to the peristaltic pumps. For each pump, two relays with feedback are installed in the control cabinet and connected.
- Safety PLC code is updated. PLC software is updated (removal of instruments, update of H<sub>2</sub>O<sub>2</sub> release workflow), database is updated. Process steps in HMI are updated.
- Functionality is tested.

#### Why should I buy this?

Less valves to maintain

No more risk of faulty mounting, resulting in:

- Unplanned downtime
- Product loss
- Possibility of peroxide leakage



Please contact your JBT Customer Care manager for more information.

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#### Ordering Information

As part of JBT's commitment to your success, our wide range of upgrade kits are designed to give you maximum return on your original investment through increased performance and service life.

Please contact [info.ams@jbt.com](mailto:info.ams@jbt.com) for more information or to request a quote.

All JBT kits are subject to software/system compatibility and may change without previous notice.