

Van Meurs aseptic bag-in-box fillers



Van Meurs is a division of the MPE GROUP

The MPE Group is the holding company of internationally operating companies active in the development, production and sales of process systems and components for liquid substances.

- Jongia stirring & mixing equipment
- Terlet process systems & equipment

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Van Meurs has expanded its product range with a new type:

B400 fully automatic bag-in-box filling machine.



The B400 is an aseptic fully automatic bag-in-box filling machine for the filling of, for example, dairy products, fruit juices and concentrates, liquid eggs and sauces.

Bag supply, filling and separation takes place fully automatically.

- Separated handling of the bag and box for additional hygiene.
- The B400 is suitable for the use of 2 to 25 litre bags foreseen with virtually all standard closure systems.
- Cleaning of the filling valve by steam and sterile air (Cleaned In Place).
- Steam sterilisation and, subsequently, drying of the filling valve with sterile air, after each filled bag. The filling valve is fully clean and dry when it comes into contact with the spout of the next bag.
- Vacuum purging of the bag before each filling and after each filling to prevent product from dripping.
- Steam or nitrogen injection in the bag once it has been filled.
- High filling accuracy.
- Standard model in stainless steel AISI 304 and 316L.

B400 technical specifications

The B400 is provided with the following as standard:

- Inductive high-speed Endress & Hauser liquid flowmeter.
- Siemens S7 control with display.
- Vacuum installation with liquid ring vacuum pump.
- Automatic conveying and input of bags to the B400.
- Automatic separation of bags once they have been filled.
- Funnel for positioning and guiding filled bags in the box.
- Steam accumulator including control.
- Analogue modem for communication.
- One quickly exchangeable bag closure gripper per filling valve.
- A cylinder with control for processing bag closures with and without a pre-closure position.
- Sterile air filter installation.
- The B400 has a filling repetition accuracy of $\pm 0.5\%$.
- Optionally available with a box erector, box sealer and conveyor belts.



Sterile means sterile and germ free means germ free thanks to the unique dry sterilisation filling process of the Van Meurs aseptic fillers.