

Aseptic filling system

AF Series



Aseptic packaging allows normal temperature distribution, minimum heat history, and prevents the deterioration of taste. It is also possible to provide high quality food with less denaturation of proteins and vitamins. In addition, the use of roll-stock flexible packaging material can significantly reduce the operational material cost.

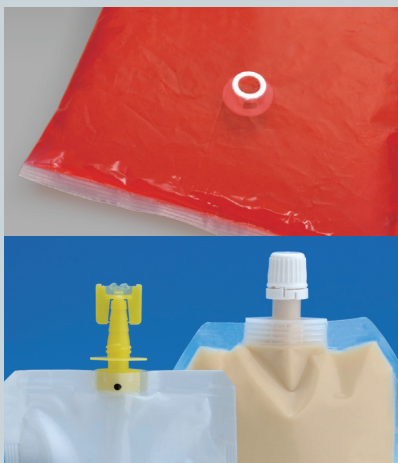
Filling and packaging under sterile atmosphere
 Complete protection of food from harmful microorganisms

Aseptic packaging can be stored, distributed, displayed and sold at normal temperature. Maintains the original flavor of the ingredients, also prevents the deterioration of nutritional components. Additives can be minimized, that makes product development with more versatile recipes.

Advantages of the aseptic filling system

Sterilization of the spout

Low cost and minimizing the footprint. In-line spout applicator and in-line spout sterilization.

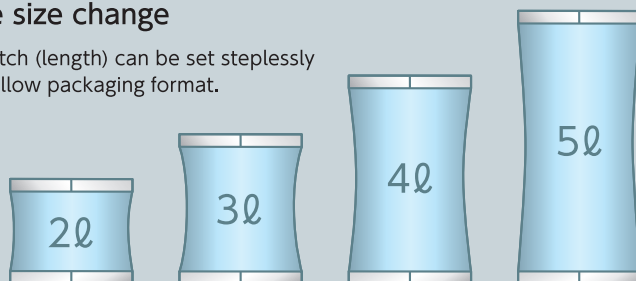


Reducing the total package cost

Roll stock film makes operational costs lower and reducing the inventory burden. Flexible packaging material reduces the amount of resin and to thinning the film layer.

Flexible size change

The film pitch (length) can be set steplessly with the pillow packaging format.



Food safety design

Safety design based on FDA requirements, fully validated.

Sealing method

The unique sealing technology with no head space in the pouch. Prevents the generation of mold from the cut edge.

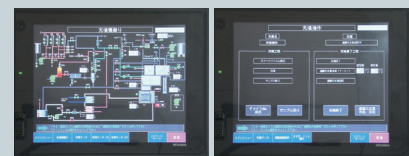


Versatility

The size change in the film feeding direction can be freely changed while maintaining the sterile atmosphere. (It varies by models and by packaging format)

Easy operation

Equipped with interactive interface. The alarm history, the maintenance mode and the sequence screen are designed to be easy to operate. (It varies by model)

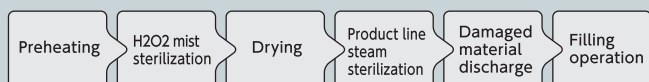


Less disposal with the flexible pouch.

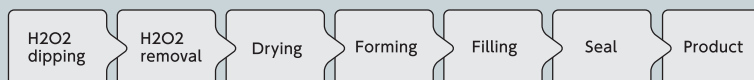
Easily disposed, reducing the cost of disposal.

Sterilization method of aseptic filling system

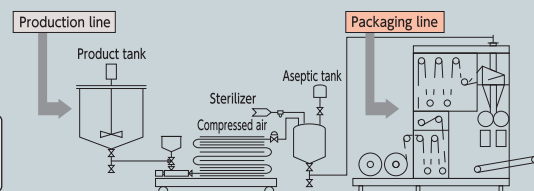
Machine sterilization



Film and spout sterilization



Aseptic filling line system



Pillow packaging Onpack-AF2000-Aseptic

Volume : 500mL - 10L

Capacity : Max.30ppm



Size pouch Size pouch Pillow pouch

SPEED : A type : Max.12ppm with 10 L
B type : Max.30ppm with 5 L
Film width : Roll width A type : Max.750mm
B type : Max.580mm
Pouch length A type : Max.620mm
B type : Max.500mm
Volume : A type : 2 - 10L
B type : 500ml - 5L
Seal method : Box motion with Servo motor



High-speed aseptic filling machine that can handle a wide range of the size and the products. In-line sterilization from roll stock film. High viscous product can be aseptically filled without head space.



Aseptic Stand up pouch/ T-pouch Onpack-AF3030-Aseptic

Volume : 50 - 500mL

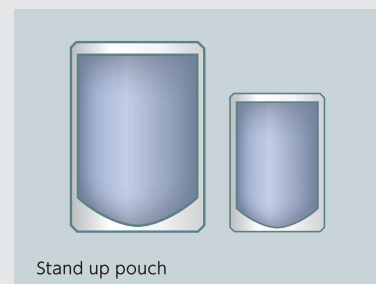
Capacity : Max.60ppm



Size pouch Stand Up T pouch

SPEED : S type : Max.60ppm
W type : Max.50ppm
Film width : Roll width S type : 310 - 430mm
W type : 400 - 520mm
Pouch length S type : 100 - 150mm
W type : 130 - 225mm
Volume : S type : 50 - 150ml
W type : 100 - 500ml
Seal method : Box motion with Servo motor

Aseptic stand up pouch system incorporates the unique forming & sealing technology. In-line sterilization from roll stock film to form/fill/seal. Aseptic packaging with no head space can be made at high speed continuously.



4 side seal pouch/T-pouch Onpack-AF3030-4S-Aseptic

Volume : 50 - 100mL

Capacity : Max.120ppm

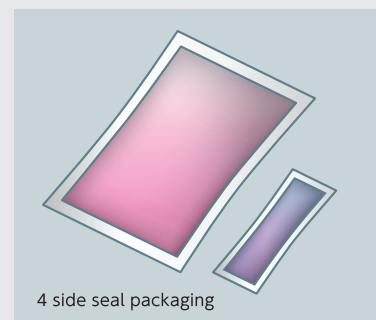


Size pouch 4 side seal Multi Fillers T pouch

Film width : Roll width 850mm
Pouch length 85-190mm
Seal method : Box motion with Servo motor



Double head aseptic filling machine for 4 side seal packaging. The unique sealing method enables high-speed filling with non-head space.



Aseptic stand up pouch with spout Onpack-AF3030-FW-Aseptic

Volume : 50 - 700mL

Capacity : Max.50ppm



Size pouch Stand Up with spout 4 sides seal with spout

Film width : Roll width Max.520mm
Pouch length 130-225mm
Seal method : Box motion with Servo motor



The aseptic packaging filler for cap and spout. Using a unique sterilization and packaging technology, designed with a completely new concept for sterilization. Low cost and space-saving with the in-line spout sterilization unit. This filler can be used for both the stand up pouch and the 4 side sealed pouches. Aseptic packaging without head space can be made at high speed.

