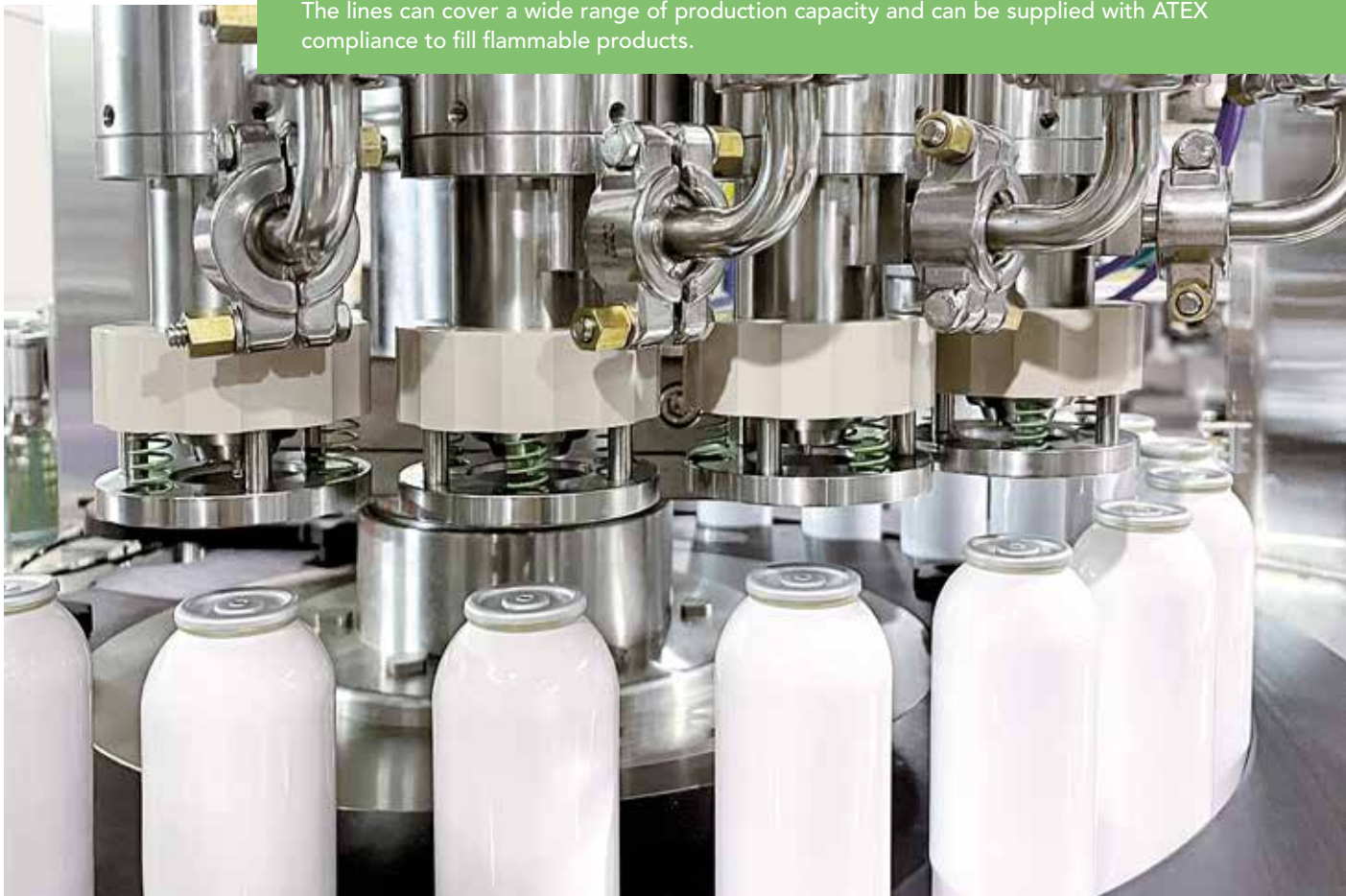




# BOV BAG ON VALVE TECHNOLOGY

## SEMI-AUTOMATIC AND AUTOMATIC FILLING MACHINES SUITABLE FOR VISCOUS AND LIQUID PRODUCTS

BOV filling machines are suitable for many different applications: nasal spray, sunscreen, shaving gel, edible oil and ointment. The lines can cover a wide range of production capacity and can be supplied with ATEX compliance to fill flammable products.



BAG on VALVE machines are equipped with a servo-motor to drive a star-wheel up to 28 pockets.

In line layout can be configured to fit Customer needs even in ATEX execution.

The machine can handle all sizes of cans automatically thanks to the easy adjustment from HMI.

Interlocked safety guards guarantee full protection to the operators. The frame and the guarding of the machine are made of AISI 304 S/S (AISI 316L available for pharma execution).

In case of post-foaming gel production a mixing system can be supplied.



## CONFIGURATION

### SINGLE AND MULTIPLE INDEXING

- Automatic sorting unit for all types of BOV
- Flip-Flop inserting system
- UTC crimping & gassing unit
- Pressure Checking unit
- Volumetric TTV product filling units (no can-no check)
- Valve Cleaning unit.

### FOOD LIQUID FILLING

- Edible oil filling with No-Dropping head thanks to a special suction system after filling
- Easy cleaning of the circuit.

## SALINE SOLUTION FILLING

- S/S AISI 316L base-frame and guardings
- Ceramic piston and titanium jacket metering cylinder (440 ml)
- Special coating to protect all the exposed parts
- Ready for CIP/SIP process

A complete mixing system for isotonic and hypertonic solution available upon request.

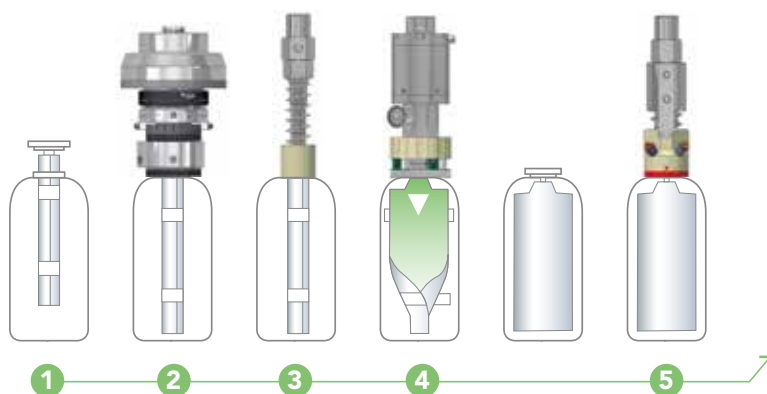
## GEL PROCESS

- Post foaming agent dosing system
- Soap dosing system
- Adjustment linkage for percentage of blend (2% up to 20%)
- Static mixer
- Control unit connected to the machine.

➤ UTC CRIMPING



➤ CIP (CLEANING IN PLACE)



## BOV FILLING PROCESS



- 1| Placing the BOV into the empty can
- 2| Pressurization of the can and crimping operation
- 3| Pressure checking
- 4| Product filling through the stem of the valve
- 5| Cleaning of the stem