

Automatic Vertical Silicone Sealant Cartridges Filling Machines, also for Bituminous Products

Fully automatic machines with vertical filling, single, double or triple head, depending on the required production speed.



For filling high and very high viscosity sealants in standard 260 to 310 ml cartridges.

Automatic Vertical Silicone Sealant Cartridges Filling Machines, also for Bituminous Products

Totally pneumatic and ATEX filling machines

- **Totally automatic machines** with **fully pneumatic operation**, not requiring any electrical connection, suitable to **hazardous areas** (also in **ATEX-Ex certified** version).
- **Automatic feeding** of cartridges and plungers by means of loading hoppers on the ground for **easy loading** by the operator.
- **Automatic loader** of **empty cartridges** and automatic loader of **plungers**, with discarder of badly oriented cartridges and plungers.
- **Vertical volumetric dosing unit** with **single, double or triple** head (depending on the required production speed) **with adjustable volume**.
- Parts in contact with the product made of **carbon steel** or **stainless steel**.
- **3-way valve** of the rotor + stator (cube) type, for **practical disassembly and reassembly** (separate cartridge conduits in the double and triple versions).
- Vertical filling of the cartridge for **maximum flexibility** in **filling products** of **any viscosity**, from liquid to high viscosity, having millions of cP/mPa.
- Filling of the cartridge from the bottom upwards, with **controlled lowering device to avoid the formation of air bubbles** during filling.
- **Product cut-off valve** in rubber with suction rod, or mechanical mushroom cut-off valve with anti-drop profile.
- **First pressing unit** for the insertion of the plunger inside the cartridge.
- **Second pressing unit** with shaped pusher to deform the plastic plunger during pressing in order to completely evacuate the air between plunger and product.
- **Station** for the **ejection** of the filled and closed cartridge in **horizontal** position.
- **Cartridge and plunger presence controls**.
- **Production speed** up to **25** cartridges per minute, up to **> 40** and up to **> 50** cartridges per minute.

Mod. C25 single head

For an output speed up to 25 cartridges/minute

Mod. C25 is also available in a modified version for working with aluminum cartridges to be closed with an aluminum plunger to be expanded.

Mod. C40 double head

For an output speed up to 40 cartridges/minute

Mod. C50 triple head

For an output speed up to 50 cartridges/minute

Automatic Vertical Silicone Sealant Cartridges Filling Machines, also for Bituminous Products

PLC electro-pneumatic Filling Machines

- **Totally automatic machines** with **electro-pneumatic operation**, for **maximum production performance** and **on-board diagnostics**.
- **PLC and touch screen 7" display** Siemens or, on request, Allen Bradley, Omron, or ASEM with **remote control system for assistance** from our office.
- **Automatic feeding** of cartridges and plungers by means of loading hoppers on the ground for **easy loading** by the operator.
- **Automatic loader** of **empty cartridges** and automatic loader of **plungers**, with discarder of badly oriented cartridges and plungers.
- **Vertical volumetric dosing unit** with **single, double or triple head** (depending on the required production speed) **with adjustable volume**.
- Parts in contact with the product made of **carbon steel** or **stainless steel**.
- **3-way valve** of the rotor + stator (cube) type, for **practical disassembly and reassembly** (separate cartridge conduits in the double and triple versions).
- Vertical filling of the cartridge for **maximum flexibility** in **filling products of any viscosity**, from liquid to high viscosity, having millions of cP/mPa.
- Filling of the cartridge from the bottom upwards, with **controlled lowering device to avoid the formation of air bubbles** during filling.
- **Product cut-off valve** in rubber with suction rod, or mechanical mushroom cut-off valve with anti-drop profile.
- **First pressing unit** for the insertion of the plunger inside the cartridge.
- **Second pressing unit** with shaped pusher to deform the plastic plunger during pressing in order to completely evacuate the air between plunger and product.
- **Station** for the **ejection** of the filled and closed cartridge in **horizontal** position.
- **Cartridge and plunger presence controls**.
- Production speed up to **40 cartridges per minute**, up to **> 70**, up to **> 84** and up to **> 100 cartridges per minute**.
- Optional: **dosing system with electric cylinder**, modem for **remote control and assistance**, **nitrogen spray**, etc.

Mod. C35E single head

For an output speed up to 40 cartridges/minute

Mod. C35E is also available in a modified version for working with aluminum cartridges to be closed with an aluminum plunger to be expanded.

Mod. C50E double head

For an output speed up to 70 cartridges/minute

Mod. C60E triple head

For an output speed up to 84 cartridges/minute

Mod. C80E triple head

For an output speed up to 100 cartridges/minute

Automatic Vertical Silicone Sealant Cartridges Filling Machines, also for Bituminous Products

Automatic filling machines in aluminum cartridges with easy-open lid to be crimped

Totally automatic single head machines for the **filling** of high and **very high viscosity sealants** in standard **310 ml** aluminum cartridges to be capped with a plastic plunger and **easy-open lid to be crimped**, or optionally also with and **aluminum plunger to be expanded**.

Mod. C30ES

**without expanding device
for the aluminum plunger**

Same features as the C35E, but with the following stations:

- **Station for positioning the silica gel** (anti-moisture hygroscopic salts) with tank for the bulk gel, or with bowl vibrator feeder for the tableted gel.
- **Station for the positioning of the easy-open lid on the cartridge**, with **vertical reservoir** of the stacked caps and **suction-cup separator** of the lids.
- **Station for crimping** the lid at the cartridge.
- **Production speed** up to 20 or 30 cartridges/minute.
- The machine **can also work with standard plastic cartridges** to be closed with a plastic plunger.
- Optional: **dosing system with electric cylinder**, modem for **remote control and assistance**, **nitrogen spray**, **step-by-step eject belt**, etc.

Mod. C30EES

**with aluminum plunger
expander**

The true **all-in-one** machine for filling and closing aluminum cartridges.

Both with aluminum plunger to be expanded and with easy-open lid to be crimped.

To be able to choose the desired solution for each lot of cartridges to fill and close.

- Same features as C30ES with station for the silica gel, station for the positioning of the easy-open lid and crimping station, but **with the addition** of the **station for the aluminum plunger expansion**.
- The machine that **can also work with standard plastic cartridges** to be closed with a plastic plunger.
- Optional: **dosing system with electric cylinder**, modem for **remote control and assistance**, **nitrogen spray**, **step-by-step eject belt**, etc.