

SAPLI 
Packaging Technology

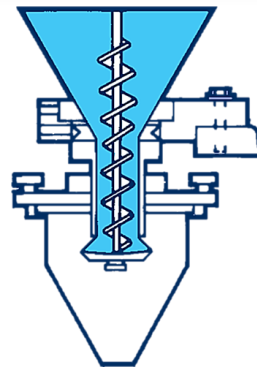
SAPLI RPF-1/2/4

**HIGHLY
ACCURATE
ROTARY
POWDER
FILLER**



**POWDERS: NON
FREE-FLOW**

Self-feeding auger assures positive handling of powder and paste products. Standard and custom made augers and funnels are available



**POWDERS: FREE-
FLOW**

Straight auger with spinner plate ensures positive cut-off between fills. Funnel with optional dust extraction facility collects and guides product into container.

Continuous or Intermittent motion highly Accurate Rotary Powder Filler is a suitable solution for a wide range of powdered and granule products to be filled with medium and high production rates. One or more filling stations options, depending on product flow characteristics and a packaging formats. Rotary machines are available with over turrets of 12 to 48 pockets, with outputs up to 400 containers per minute. These can be integrated with gross or tare and gross check-weigher feed-back systems.



Standard Technical Features:

- Quantity of filling stations and turrets changes depending on required production rate
- One infeed and outfeed star wheel
- Clean filling process with completely sealed turrets with food grade seals
- Intuitive user-friendly interface
- Dust retention and extraction system
- High precision auger machined from solid
- Food grade stainless-steel parts in contact with the product
- Easy and simple format change without tools
- eWON VPN Router for Sapli remote technical support
- No bottle – no fill safety system
- Hopper coupling, self-aligning, quick disconnect
- Automatic base cabinet
- Servo-motor for auger drive, variable speed brushless direct drive with no pulleys, clutch/brake or belts, totally enclosed with integral precision shaft encoder
- Steel funnels with quick release fittings to allow for tool free removal for cleaning, if required

Controller	Siemens PLC	Auger drive	Servo, viable speed direct drive
HMI	Colour touch-screen panel	Auger revs	0.0003 rev incremental adjustment
Hopper capacity	Min 38 l	Auger tooling	Manufactured from solid steel
Agitation drive	0.55kW	Manufactured from solid steel	304 grade stainless steel
Agitation options	Continuous With fill only With fill and time delay No agitation	Fill capacity range	50gr – 15kg

The filler is able to fill with a high precision a wide range of products and volumes. The filling capacity is from 50ml to 2000 ml for each station.

Volumetric or Gravimetric filling principle can be applied depending on the product requirements. Depending on the density and chemical features of the product optional lifting and vibrating operation can be added in order to fill the product in the most optimal way.

For glass bottles and other containers of inconsistent weight, integrated tare-and-gross weigh systems provide 100% nett weight validation.

Optionally can be supplied:

- 1 to 4 filling heads
- 12 to 48 transfer funnels
- Horizontal screw product feeder or vacuum bulk feeders to feed the hopper of the filler
- A wide range of checkweighers and feedback options to control the filling quality and to adjust it in case of need
- Automatic rejection functions
- Vibration or pulsed air technology
- Check-weigher or laser level feedback
- Product level detection in hopper



Through the experience and expertise of our filling specialists and design team, Sapli can produce a purpose-built bespoke solution for your filling requirements. Filling line equipment can include, but is not limited to:

- Container unscrambling and cleaning
- Hermetically sealed filling enclosures
- Glove-ports
- Check-weighing
- Capping
- Induction heat sealing
- Labelling
- Coding
- Metal detection
- Vial stoppering
- Puck indexing

