



Better filling by design

Innovation with your business needs in mind

- Modular
- Efficient
- Hygienic
- Scalable



THE SYSTEM F-1800 FILLING MACHINE



F-1800 AT A GLANCE

The System F range – a step change in filling equipment design

System F is a robust, modular filling system that delivers outstanding production flexibility and output, as well as cost-saving efficiency and future-proof scalability.

An upgrade to a System F-1800 is possible from another System filler, as the design allows you to continue to use many of the core components you have already invested in.

Key Features

- High level of flexibility with product viscosities handled (including those up to 500,000 cPs)
- All key movements are electronically driven, offering precise control and subsequently, more efficient filling cycles
- Quick strip of all wetted parts to facilitate superior hygiene levels
- Single acting product cylinders from 100ml up to 5000ml, offering accuracy of up to $\pm 0.15\%$
- Offers production output of up to 150 per minute
- Frame size 2785mm x 1875mm x 2260mm



System F-1800 rear view



Machine Frame

- 304 stainless steel hygienic 'Lambda' frame with asymmetrical surfaces for easy cleaning

Product Dosing

- Available with either servo-driven volumetric pumps for high levels of accuracy, or flowmeters for clean-in-place
- Innovative and easily interchangeable TwinPacks (2 heads) or QuadPacks (4 heads) supplied with either 100ml or 500ml cylinders
- Disk valve technology (patented) delivers the benefits of poppet valves and rotary valves in one unit, with low cost consumable components



Valve block with Disk Valve technology (patented)

Product Supply

- Supplied with either product infeed manifold or product header tank

Filling Nozzles

- Non-drip nozzles with inward or outward opening shut-off valves
- Servo driven vertical axis gives precise control of rise-while-fill profiles
- Nozzle body slider (patent pending) allows for container collision detection, eliminating the risk of mechanical damage in case of an obstruction during the nozzle dive sequence

Mobile Caddy

- For safely transporting all wetted components for off-site strip-down, cleaning and storage
- Can take up to either X2 QuadPacks or X2 TwinPacks with wetted parts

Automation Upgrade

- Automated hygienic conveyor can be added with container handling and gating



Mobile Caddy



The Adelphi System Range

With our **System** range, we are developing an entirely new set of packaging machines that are not only excellently engineered, but thoroughly designed. A clear focus on innovation that serves business needs, with radical improvements that often surpass current industry norms, results in a harmony of function and form.

MODULAR

Tailored to your needs at a favourable price

Individual machines can quickly be specified to your requirements thanks to **System's** modular designs. Every module is a standard item that can be held in stock, so there is little need for time-consuming engineering input, and our fast delivery times will help you get your production up and running quickly.

EFFICIENT

Maximum output with minimum input

Innovative design and use of the latest technology ensure that our **System** machines deliver superior levels of accuracy and speed, and extremely efficient product and container changeover routines, while using less energy. That means increased output at less cost and with less down-time.

HYGIENIC

Inherently clean design with easy access

Every element of our **System** range is designed with hygiene in mind, with quick-strip product contact parts manufactured in 316L-grade stainless steel, and no horizontal surfaces where fluids can pool. The area under our machines is also visible and easily accessible to aide the maintenance of a clean production environment.

SCALABLE

Buy for today, save for tomorrow

With our **System** range, you no longer have to pay now for capacity that you hope you will need in the future. Instead you can quickly and cost-effectively grow your filling line, simply by adding or upgrading modules only when you need to.



Liquid-filling
equipment