

AV3 Twin Cylinder Volumetric Filling Machine



For the filling of liquids, creams, pastes,
and suspensions from 5ml to 1250ml

Precision, Volume-Adjustable, Filling Machine: AV3-2C

We proudly manufacture liquid filling systems that enable you to consistently dispense your product from source to consumer-ready containers.

Our AV3-2C is a simple-to-operate, twin cylinder filling design with performance that easily adapts from the most delicate of products to more heavy-duty and robust product ranges. It has an industry proven reputation for reliability and ease of cleaning. The versatility of this machine is enhanced by its interchangeable components such as valves and nozzles enabling you to continue to meet the requirements of your product and the standard it demands. ASSET are the original designers of the revolutionary rotary valve system which is a standard feature on this machine enabling compact volume adjustment and cylinder assembly.

The valve and nozzle choices can handle anything from thin liquids to creams and thick pastes, even products with soft suspended solids. As all of these components are interchangeable, it provides a vast combination of options without the expense of purchasing separate machines, further facilitating the ongoing development and growth of your product lines.

Trolley mounted, with lockable castors, for connection to a continuously running slat conveyor, the AV3-2C comes complete with the 'no bottle / no fill' safety device and container gating, and bottom-up fill features.

The stroke adjuster, air cylinder, and product cylinder drive assembly are enclosed by a safety-interlocked polycarbonate cover for your safety.

All our product lines, our components and machines are bespoke and manufactured in-house allowing for your unique requirements to be met with the final design unique to you.

Specifications

- **Dimensions:** W 1000mm x D 1400mm x H 1700mm
- **Weight:** (approx.) 75kg
- **Air pressure required:** 600KPa
- **Air consumption:** 10CFM

Additional Options

- Additional sizes of interchangeable product cylinder and piston assemblies
- 50L stainless steel product hopper
- High temperature spool / food valves for filling of hot liquids over 85°C
- Twin manifold and suction hose inlet
- All pneumatic, flameproof operation suitable for use with flammable products
- PLC controlled pneumatic drives
- Various nozzle configurations (e.g. liquid, cream, suckback, positive shut-off (PSO), vacuum PSO, screen, plug)
- Upgrade to 2000mL product cylinder model



Standard Features

- Heavy duty pneumatic product cylinder drive system
- Integral 304-grade stainless steel base and cladding mounted on a stainless steel trolley
- Bottom-up fill nozzle assembly
- Wetted parts (i.e. components that are in contact with your product) are manufactured from 316-grade (i.e. food & pharmaceutical grade) & food-grade engineering plastics
- Product piston fitted with o-ring energised polymer glide ring seal
- Quick-connect triclover product inlet / outlet fittings
- Individual fill-speed and recharge-speed controls
- Asset rotary product valve system provides a positive valve seal, unaffected by product supply head height
- Available in 50mL, 125mL, 250mL, 750mL, 1250mL product cylinder models, all infinitely adjustable between 10% and 100% of their rated volume, with facility to interchange different cylinder sizes
- Product cylinder and valve dismantles by hand for ease of cleaning - no tools required
- Filling accuracy $\pm 0.5\%$ or better

ASSET PACKAGING MACHINES

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