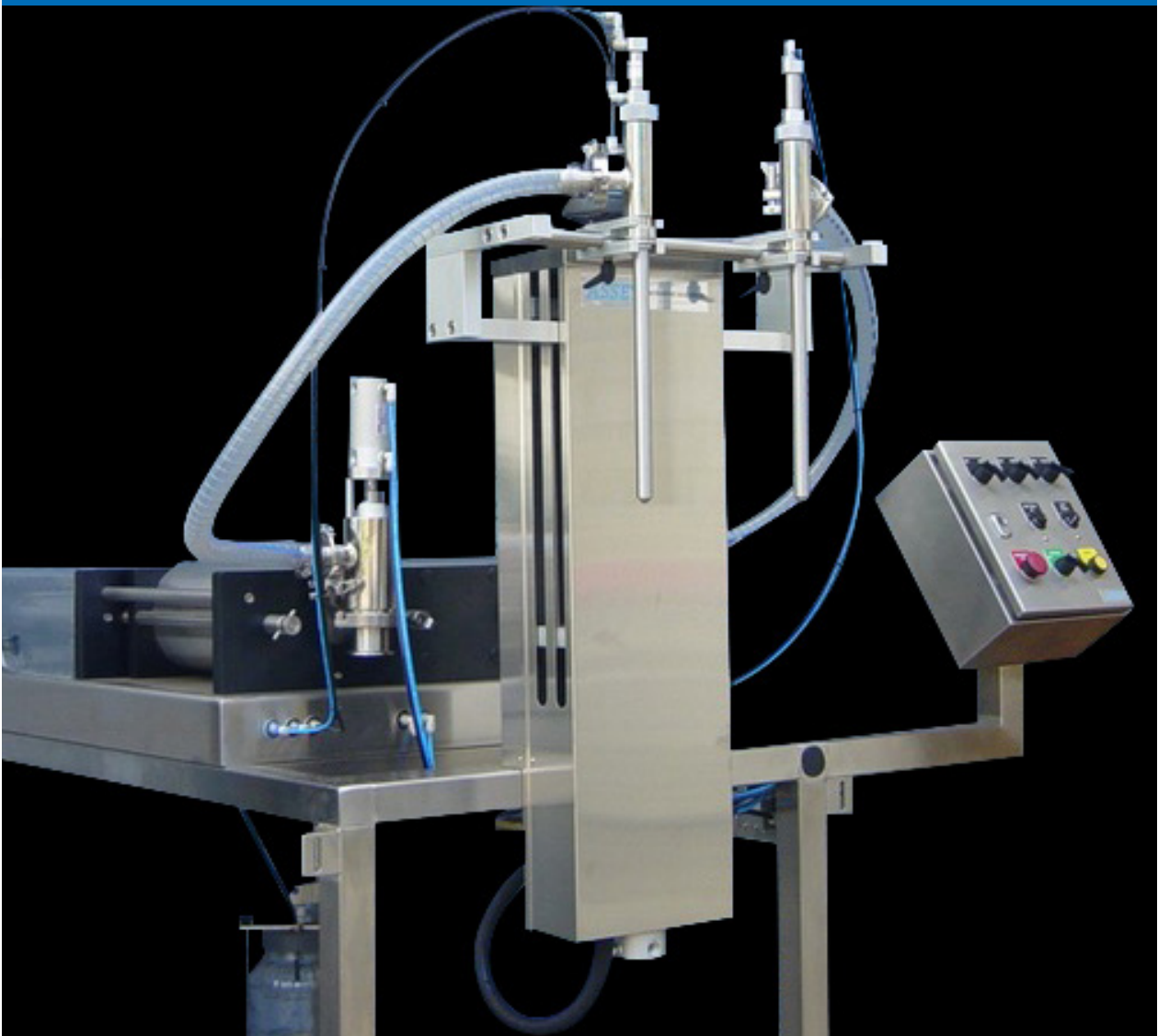




AUSTRALIA'S LEADING MANUFACTURER
OF LIQUID FILLING MACHINES

AV5 Single & Twin Cylinder Volumetric Filling Machine



For the filling of liquids, creams, pastes, and
suspensions from 500mL to 5000mL



Precision, Volume-Adjustable, Filling Machine: AV5-1C & AV5-2C

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

Our AV5-1C & AV5-2C are single and twin cylinder fillers respectively that have a unique design, which enables a diverse range of product types and volumes to be processed with one compact machine. With 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.

Our AV5-1C is available in both semi-automatic and automatic models, with our AV5-2C available purely as an automatic model. These models are self-priming from any floor level or elevated product tank or drum. The addition of a cycle counter is available as an upgrade on this machine facilitating multiple-shot filling for the filling of containers or drums greater than 5L.

These machines are engineered for strength and robust functioning, handling large fill sizes, volumes, and industrial-grade product with ease. They are often used in harsh chemical environments filling resins and thicker, more viscous, products whilst producing consistent and accurate fill volumes.

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.

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:

AV5-1C: W 1050mm x D 540mm x H 310mm
AV5-2C: W 780mm x D 1700mm x H 1400mm

Weight: (approx.)

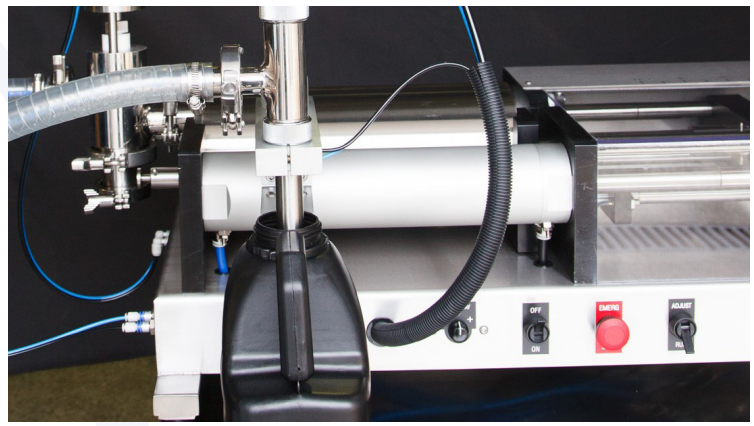
AV5-1C: 50kg
AV5-2C: 175kg

Air pressure required: 600KPa

Air consumption: 10CFM

Additional Options

- Additional sizes of interchangeable product cylinder and piston assemblies (i.e. filling under 500ml)
- Twin manifold and suction hose inlet
- Stainless steel conveyor integration (various lengths & widths available)
- Stainless steel trolley with castors
- PLC controlled pneumatic drives
- Adjustable height nozzle mounting
- Various nozzle configurations (e.g. liquid, cream, suckback, positive shut-off (PSO), vacuum PSO, screen, plug)
- Product inlet manifold
- Stainless steel screw levelling jacks
- High temperature spool / food valves for filling of hot liquids over 85°C
- All pneumatic, flameproof operation suitable for use with flammable products
- Cycle counter for multiple-shot filling for filling quantities greater than 5L



Standard Features

- Heavy duty pneumatic product cylinder drive system
- Integral 304-grade stainless steel base and cladding
- Suitable for cleaning with a warm water hose-down
- 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
- Product cylinder and valve dismantles by hand for ease of cleaning - no tools required
- Simultaneous volume adjustment (whilst running) by single hand wheel and digital indicator
- Infinitely adjustable cylinders between 10% and 100% of their rated volume
- Asset air-operated spool valve system provides a positive valve seal unaffected by product supply head height & for filling of products with suspended solids
- Bottom-up fill nozzle assembly
- Filling accuracy $\pm 0.5\%$ or better
- PLUS: AV5-1C
 - Benchtop model
 - Addition of footswitch operation for semi-automatic model
- PLUS: AV5-2C
 - Mounted on 304-grade stainless steel trolley
 - Enhanced bottom-up fill nozzle assembly
 - Integration into automatic conveyor system with container gating system and 'no bottle / no fill' safety interlock

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