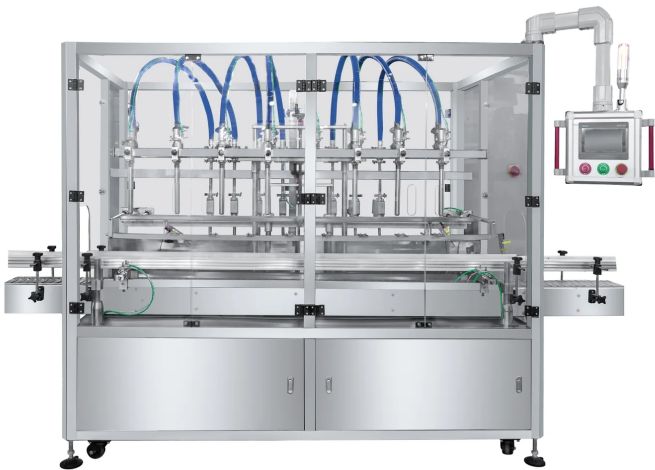


8-Head Flow Meter Filling Machine

Configuration reference | Independent metering for eight filling heads

This datasheet describes the 8-head configuration. It is not the specification for the 10-head machine and is not a completed factory acceptance test report.



Filling specification

Metering method	Gear-type positive-displacement flow meters; independent metering for each filling head.
Filling heads	8 heads. Other head counts require a separately confirmed configuration.
Standard filling range	50-5,000 mL
Custom filling range	50-25,000 mL; subject to project configuration.
Reference speed	30-80 bottles/min at 1,000 mL, using round bottles 50-80 mm in diameter.
Accuracy reference	±1%, based on water at room temperature and a 1,000 mL fill.

Speed and accuracy depend on the liquid, filling volume, bottle geometry and agreed test conditions. Confirm the required output with the actual product and package; the reference figures are not a guarantee for every application.

Installation & configuration

Bottle dimensions	Neck inside diameter ≥ 12 mm; height 80-350 mm; bottle width/diameter 40-120 mm. Confirm the actual bottle and change parts.
Filling functions	Diving filling, automatic nozzle lifting, anti-drip function and no-bottle/no-fill control.
Product-contact material	316 stainless steel. Confirm seals and other wetted components for the actual formulation.
Buffer tank	150 L, with level detection.
Controls	Recipe storage, per-head parameter adjustment, production counting and alarms.
Electrical supply	380 V, 50 Hz, three-phase; rated power 8 kW.
Compressed air	0.6-0.8 MPa; 60-100 L/min; 8 mm air connection.
Machine size / weight	1,700 × 1,450 × 2,100 mm; 750 kg. Confirm the final line layout before installation.
Optional equipment	Mixing and heating are optional additions, not standard functions. Bottle handling, capping, labeling and conveying are confirmed as part of the line scope.

Product suitability and limits

Applications for evaluation include edible oil, lubricant oil, liquid detergent, disinfectant, antifreeze and syrup. Review the actual formulation, flow behavior and cleaning requirements before selecting wetted parts.

Not intended for liquids with large particles, strongly corrosive or abrasive products, or formulations that crystallize and block the metering path. A different filling method may be needed.

Confirm before ordering

Provide the liquid specification, bottle drawing, target fill volume and output, site utilities and cleaning requirements. Agree the test method, sample quantity and acceptance criteria before FAT. Request the final configuration and drawing with the quotation.

[View 8-head and 10-head configurations on zxsmartmachine.com](https://zxsmartmachine.com)