

ALF Series Automatic Filling Machine



ALF Automatic Volumetric filling machine for the application of light liquid filling into plastic or glass bottles. The machine is composed by a conveyor, SS316L volumetric piston pump, top-bottom filling nozzles, liquid buffer tank and bottle indexing system. The bottle loading/unloading through loading/unloading turntable or directly from an production line.

Feature:

1. Bottom-up fill control, prevent the occurrence of foaming.
2. Different bottle index device e.g. worm conveyor, pneumatic finger, index wheel to fit to different kinds of bottles.
3. SS316 piston pump drive by servo motor system, stable and precision.
4. Set the filling volume in HMI, easy changeover size.
5. No fill when bottles backup downstream and less bottles load upstream.
6. No fill while nozzles misaligning inside of bottle
7. No fill with lower level of less product in buffer tank, which mounted level sensor.
8. Batch bottle counter records number of finish bottle output.

Technical parameters

Model	ALF-4	ALF-8	ALF-12
Filing Nozzles	4	8	12
Filing Range	20-500ml		
Idea Filing Range		5-20ml	20-60ml
Filing Speed	40-60	60-80	70-100
Filing Precision	$\leq \pm 1\%$		
Air Pressure Range	0.4-0.6Mpa		
Power Supply	220V380V 50/60Hz		
Power Consumption	0.75KW	0.75KW	1.2KW
Single Machine Noise	$\leq 50\text{db}$		
Net Weight	500KG	800KG	1000KG
Overall Dimensions	1300×1000×1800	1600×1000×1800	1900×1000×1800

Model	ALF-16	ALF-20	ALF-24
Filing Nozzles	16	20	24
Filing Range	20-500ml		
Idea Filing Range	60-150ml	150-250ml	250-500ml
Filing Speed	90-120	120-160	160-180
Filing Precision	$\leq \pm 1\%$		
Air Pressure Range	0.4-0.6Mpa		
Power Supply	220V380V 50/60Hz		
Power Consumption	2.2KW	2.2KW	2.2KW
Single Machine Noise	$\leq 50\text{db}$		
Net Weight	1300KG	1500KG	1700KG
Overall Dimensions	2300×1000×1800	2300×1000×1800	2600×1000×1800