

## *CZ-4/6B Full Automatic Liquid Filling Machine*



Net weigh fillers are an ideal solution for ensuring each container you fill has the same amount of product in it. They are the best for liquids filled in bulk quantities, such as 5-gallon oil, or products that have a very high value and thus need to be weighed correctly to avoid losing profit.

This is a weighing-type filling machine for filling 5-30 KG Liquid. Gravity filling system with weight scale under the filling nozzle to assure filling accuracy.

As well a pressure tank is used to make sure the capacity speeds faster.

Linear type machine, can be made with a 4/6 filling nozzle for different filling capacities.

It is a good machine for filling big volume products like edible oil, wine, lubrication, liquid fertilizer, chemicals, etc.

Net weight filler is best suited for liquids to be filled in bulk quantities e.g. 5-gallon pails, etc., or smaller quantity products that have a very high manufactured value. Oftentimes there are products that must be sold by weight for commercial reasons and therefore this filling machine is the only choice. Examples of this type of filler for bulk products include cleaning chemicals, enzyme solutions, oils, and other medium-value products. High-value products filled by these machines include specialty adhesives and paints, precious metals dissolved in acids, and other expensive specialty chemicals.

The operation of this type of net weight drum filling machine is simple. The product bulk supply is pumped into a holding tank above a pneumatically operated valve. Cleaned containers are conveyed to the filling machine through an SS slat conveyor, positioned on an individual load cell platform, and tared. The valves open and real-time net weight information is monitored until the target weight is achieved. The valve simply shuts when the target weight is achieved. Accuracy of

fills is accomplished by various “bulk and dribble” methods in the filling process so that overfills are avoided.

The advantage of this bucket filling machine over others is that it is sometimes the only practical (and legal) type of filling for a limited range of applications and for large volume fills. It is also very accurate and effectively provides its own quality control assuming the scale is functioning properly. The disadvantage of this type of filling machine is that it is very expensive per filling head. For these reasons, the use of this filling technology is limited to the examples outlined above.

#### **Technical Parameters:**

Speed	≤400BPH(5kg) ≤350BPH(20kg)(water is the agent)
Bottle Size	Min. 200×140×320mm; Max. 290×260×400mm
Filling range	5-30Kg
Accuracy	±0.2% (water is the agent)
Inlet Pipe	DN40
Power Source	~380V 50Hz/1.6KW
Air Pressure	0.6-0.8Mpa
Weight	~1500Kg
External Dimension	2900×1370×2360mm (L×W×H)