



OIL FILLING MACHINES

AUTELEC DL-294 PLUS

The **DL series filling machines** are machines with the specific purpose of bottling oils, but at the same time very versatile, allowing **the use of vessels of different capacities** (from 0'005 to 10 litres or miniatures) **shapes or materials** (plastic, glass, tins). The amount of the dosage can be programmed in a few seconds, in kilos or in litres, though the dosage is controlled electronically **by weight**. In this way, because a litre of oil weighs 916 grams irrespective of its temperature, a high degree of accuracy is obtained, which is impossible to achieve with other systems without strict temperature control of the oil, the jars and the filling plant. This accuracy is not affected by differences in viscosity. As this system checks the amount actually bottled after each filling operation, the microprocessor incorporated into it automatically makes corrections to subsequent filling operations (the machine learns from its own mistakes) thus achieving hitherto unknown accuracy. All models incorporate **total and partial** counters of litres, kilos and vessels, so that there is complete control of the filling. The exclusive anti-drip system improves accuracy and prevents the classical problem of dirty jars. It is very easy to install, as it does not need compressed air or raised tanks. It only needs connecting to the single-phase mains supply (the pump motors are already fitted with thermal circuit-breakers* for protection) and to the supply tank by means of a flexible sanitary tube. All versions feature stainless steel mesh safety filters. All this makes them very suitable for small and medium bottling firms.

FUNDAMENTAL CHARACTERISTICS



- HIGH ACCURACY** due to their system of dosification BY WEIGHT, eliminating errors produced by differences of viscosity and temperature, and to their system of continuous AUTOMATIC ADJUSTMENT, whereby after filling each jar, the machine automatically checks the amount and makes the necessary corrections.
- ANTI-DRIP SYSTEM, highly effective for preventing dirtying the jars.**
- VERSATILITY** - in a few seconds you can change the amount of the dosage between 0'005 and 10 litres and miniatures, with resolution to 0'001 litres, being much used for jars of 1, 2, 3'785 (1 gallon) and 5 litres, or any other quantity, with no need of any adjustment.
- EASY TO USE** because of their keyboard and display screen. A private access code can be programmed, so that only the person who knows the code can consult data or change them.
- EASY TO INSTALL**, requiring MINIMUM SPACE, as they do not need raised tanks, compressed air or 3-phase power lines. They only need a single-phase 220 Volts mains socket (SCHUKO type with earth) and connection to the supply tank.
- HIGH QUALITY** due to its construction in stainless Steel.
- QUICKLY PAYS FOR ITSELF** due to its low cost and possibility of subsidies for bottling and technological improvements.
- TOTAL AND PARTIAL METERS** for full monitoring of the amounts served. These can be consulted, and the partial (run) meters can be reset to zero.
- OPERATION IN LITRES OR KILOS**, or passing from one system to the other for automatic checks.
- AUTOMATIC CALCULATION OF DENSITY** of the liquid.
- ACCURACY EASILY CHECKED** by the user.
- HIGH PRODUCTIVITY.**
- QUALITY CONTROL OF FILLING**, in all models.
- HIGH RELIABILITY.**