

FILAMATIC NEWS

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*Manufacturers of Liquid
Filling, Capping and
Packaging Systems*



New Walking Beam Type Rotary Filling and Stoppering Line Provides Speeds to 300 CPM

A new filling/stoppering line recently introduced by the National Instrument Company provides production rates up to 300 containers per minute and accuracies to $\pm\frac{1}{4}\%$ or better. Tradenamed **FILAMATIC**[®] Model VLD/DLS-12-T, this line is ideal for packaging pharmaceutical products and parenteral liquids in fill sizes from 2mL to 125mL.

Containers are transported from the infeed to a continuous motion walking beam filling station via a straight line continuous motion conveyor. The walking beam system fills the bottles while they are in motion, thereby eliminating time lost during the filling operation by a conventional intermittent motion filler. Diving nozzles adjustable from 0 to 5 inches insure splash-free filling. A timing screw synchronizes the container motion with the walking beam nozzle travel.

Type DUS zero particulate rolling diaphragm Filling Units provide exceptional fill accuracy. The rolling diaphragm eliminates frictional contact between the piston and cylinder wall.

Standard features on the **FILAMATIC**[®] Model V-LD filling machine include a bottom-up fill mechanism to eliminate splashing and foaming, as well as multiple sensors to detect fallen bottles, missing bottles in the feed screw and bottle back-up conditions. An optional safety device stops the filler prior to filling should one or more nozzles fail to enter the container openings. An optional weight check system is available.

After filling, the containers travel to the **CAPAMATIC**[®] DLS-12-T rotary stoppering machine, which provides smooth, non-stop container handling throughout the process. Stoppers ranging in size from 2mL to 32mL are inserted with exceptional placement reliability. Both full and partial depth stoppers can be accommodated.

No vial-no stopper sensors and auto detect/reject sensors monitor the stoppering operations to assure that each and every container is properly stoppered.

This line is designed for use in Class 100 clean rooms. All metal product contact parts are manufactured of Type 316 or 316L stainless steel. A sloped cabinet makes the line suitable for use under laminar air flow in clean rooms.