

FILAMATIC NEWS

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Manufacturers of Liquid
Filling, Capping and
Packaging Systems



Improved **FILAMATIC**[®] CE-DAB-32-2 Liquid Filling Machine Features NeoCeram[®] Filling Units

The National Instrument Company has introduced an improved bench-top, semi-automatic, filling machine that meets *Communauté Européen* (CE) standards.

The **FILAMATIC**[®] CE-DAB-32-2 is a semi-automatic volumetric filling machine designed to dispense solutions, ranging from 1cc up to 1100cc per stroke at speeds to 36 rpm. This is the second filling machine to be reengineered to meet CE standards. The CE-DAB-32-2 conforms to International Electro-Technical Committee (IEC) guidelines pertaining to electrical compatibility, operation standards and performance regulations.

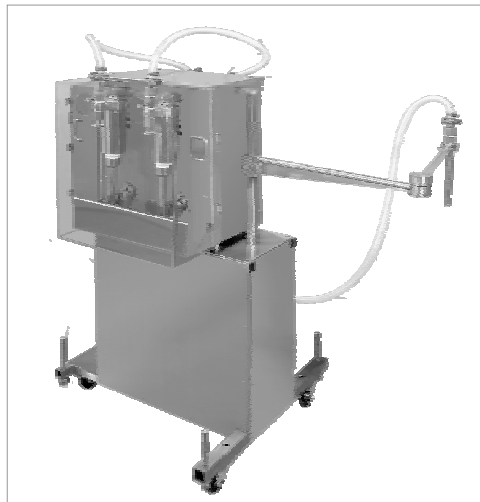
The CE-DAB-32 series machines can be equipped with a wide variety of Filling Unit models. Liquids including suspensions, corrosive chemicals and products containing a high percentage of particulate matter can be filled accurately and easily.

The Filling Unit uses a typical **FILAMATIC**[®] stainless steel casing lined with a NeoCeram[®] ceramic cylinder sleeve, and a NeoCeram[®] ceramic piston. This new design provides a unique valving system that enables filling accuracies to +/- 0.5%. The unique microstructure of the NeoCeram[®] material provides finished tolerances of +/- 0.001 mm for absolute mating between piston and cylinder.

A 1 HP motor drives the CE-DAB-32-2. Depending on the specific production requirements multiple Filling Unit/ Nozzle sets can be incorporated.

The **FILAMATIC**[®] CE-DAB-32-2 is designed for filling free-flowing or semi-viscous liquids in a variety of productions manners.

Semi-automatic operations are easily performed by placing containers directly under the nozzles and depressing the foot switch. Semi-automatic remote filling can also be accomplished with an optional ergonomic arm in place of the standard nozzle bracket.



The CE-DAB-32-2 can also be used in high-speed automatic production lines by replacing the foot switch with a remote activator switch. The various production methods and filling applications made possible with the **FILAMATIC**[®] CE-DAB-32-2 provide versatility and flexibility in filling operations.

An independent laboratory subjected the CE-DAB-32-2 to all pertinent tests, such as the extensive noise immunity tests required for CE certification. The CE-DAB-32-2

exceeds minimum requirements for emission immunity and is below those for emission radiation. The CE-DAB-32-2 incorporates enhanced safety features, including a transparent polycarbonate material custom guard.

The new **FILAMATIC**[®] CE-DAB-32-2 is an efficient, cost-effective machine that satisfies the need for global liquid filling applications.