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Gas Bubblers Ensure Maintenance of Inert Reaction Atmospheres

Asynt has introduced a new range of Gas Bubblers that enable chemists to visibly confirm that their reaction system is being flushed with an inert gas such as nitrogen.

A gas bubbler is a piece of laboratory glassware which consists of a glass bulb filled with a small amount of fluid such as mineral or silicone oil. For use with reactions the inlet to the bulb is connected to a ground glass joint, while the outlet is vented to the air. Gas bubblers are used to exclude air from a reaction or can help with purging systems such as a Schlenk line. Used in the former case, the gas bubbler is often fitted on the condenser of the reaction set-up. In the latter case, the gas bubbler is typically installed at the end of the inert gas manifold on a Schlenk line to prevent contamination by atmospheric oxygen and water.

Affordably priced, Asynt gas bubblers provide a one-way valve through which nitrogen, evolved gases or solvent vapours from the inlet will bubble through the fluid before being vented to the atmosphere. The rate at which bubbles form in the gas bubbler fluid enables users to adjust the inlet flow of inert gas to an appropriate rate to ensure that a consistent inert atmosphere is maintained.

For further information please visit www.asynt.com/product/n2-gas-bubblers/ or contact Asynt on +44-1638-781709 or sales@asynt.com.

Asynt is a leading supplier of affordable products, consumables and services for chemists in industry and academia. With staff of trained chemists - Asynt is able to draw upon this in-depth applications knowledge to provide a high level of customer support for its DrySyn Heating Blocks, Controlled Laboratory Reactors, Synthesis Tools, Evaporators, Circulators, Temperature Control Systems, Vacuum Pumps and Laboratory Safety Equipment.

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