# THE IMPROVED PERFORMANCE AND RELIABILITY OF DUAL FUNCTIONALITY FILTERS HAVING COMBINED HYDROPHILIC / HYDROPHOBIC MEMBRANE CHARACTERISTICS

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Meissner's Zebragard™ Dual Functionality Filter acts as a sterile barrier for passage of both water and air. A common bioprocessing application for this filter is final fill and finish where a sterile barrier filter is critical to ensuring process reliability. Meissner's Zebragard™ barrier filter simplifies filter construction by combining hydrophilic and hydrophobic membrane characteristics into one continuous, single layer structure within the filter capsule. This in turn reduces the number of total filters required in single-use assemblies. The pleated and fully supported membrane allows for greater water flow rates through an uninterrupted fluid path. Meissner's Zebragard™ filter was tested and shown to match or exceed competitor water and air flow rates, providing an improvement to barrier filters currently available for bioprocessing applications. Rapid air flow recoveries, at low pressure drops, facilitate consistent, accurate and efficient filter integrity testing and reliable performance.