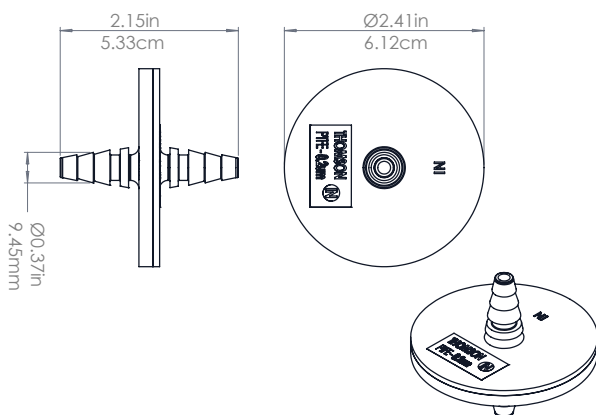


50mm Sterile In-Line Vent Filter Technical Data Sheet

Product Description	Part #	Sterility
50mm Sterile In-Line Vent Filter	761050-10	10 ⁻⁶



Introduction

The 50-mm Sterile In-Line Vent Filter effectively blocks bacteria, particles, and moisture to safeguard sterile environments during gas exchange and vacuum filtration workflows. Featuring a hydrophobic PTFE membrane housed in a durable polystyrene body, it is designed for reliable gas filtration and aseptic system protection in laboratory and bioprocessing settings. Ideal for venting bioreactors, media vessels, and carboys, or protecting vacuum lines during filtration, this filter connects easily to standard tubing and integrates seamlessly into sterile fluid paths. The compact, ready-to-use unit delivers high-flow performance while minimizing the risk of contamination in critical workflows.

Specifications

Minimum Tubing (I.D.)	3/16" 4.76mm
Maximum Tubing Size (I.D.)	5/16" 7.94mm
Membrane	PTFE
Pore Size	0.2µm
Sterility (SAL)	10 ⁻⁶

FAQ's

Where can I use the 50mm In-line Filter in my lab?

The 50 mm In-line Filter is ideal for use in sterile gas handling and vacuum protection applications across a variety of bioprocess and laboratory workflows. It supports sterile venting of bioreactors, fermentation tanks, media flasks, and carboys, and is commonly used to maintain sterility during gas purging of cell culture vessels or filling containers. The filter also enables in-line sterilization and efficient removal of particulates from incoming air and gases. In filtration setups, it functions as a protective barrier between the vacuum source and receiving flask, preventing accidental liquid backflow, trapping aerosolized contaminants, and safeguarding sensitive equipment.

Is the 50mm In-line Filter autoclavable?

No, this filter is not autoclavable. It is a single-use, pre-sterilized component designed for simple integration into sterile systems without post-assembly sterilization.

How do I connect the 50mm In-line Filter?

Slide compatible tubing (3/16" to 5/16" I.D.) over both barbed ends. Secure tightly with zip-ties, ideally using a zip-tie gun to apply uniform tension. Trim excess tie material for a clean finish.

Can I use it for filtering liquids?

The In-line Filter has been specifically designed and validated for sterile air transfer applications. It has not been tested or validated for liquid filtration or purification processes and should not be used for these purposes.